

City of Corona

*400 S. Vicentia Ave.
Corona, CA 92882*

City Council Meeting Final Agenda

Wednesday, November 16, 2022

**Closed Session Council Board Room 4:30 PM
Open Session Council Chambers 6:30 PM**



**CITY COUNCIL/SUCCESSOR AGENCY TO THE REDEVELOPMENT AGENCY OF THE CITY OF
CORONA/CORONA PUBLIC FINANCING AUTHORITY/CORONA UTILITY
AUTHORITY/CORONA HOUSING AUTHORITY MEETING**

**Wes Speake, Mayor
Tony Daddario, Vice Mayor
Jacque Casillas, Council Member
Tom Richins, Council Member
Jim Steiner, Council Member**

The City Council meeting of November 16, 2022, will be conducted in person. Members may attend in person or remotely. To participate remotely, please use the following link:

<https://coronaca-gov.zoom.us/j/85932608935>

CONVENE CLOSED SESSION

CITY COUNCIL

- 1. CLOSED SESSION - CONFERENCE WITH REAL PROPERTY NEGOTIATORS**
Pursuant to Government Code Section 54956.8
Property Location: 117-191-011 (725 S Main St)
Agency Negotiator: Jacob Ellis, City Manager
Negotiating Party: 99 CENTS ONLY STORES LLC
Under Negotiation: Price & Terms of Payment
- 2. CLOSED SESSION - CONFERENCE WITH LEGAL COUNSEL-ANTICIPATED LITIGATION**
Significant exposure to litigation pursuant to Government Code Section 54956.9(d)(2)
(1 or more cases)
- 3. CLOSED SESSION - CONFERENCE WITH REAL PROPERTY NEGOTIATORS**
Pursuant to Government Code Section 54956.8
Property: APN 103-020-010, 103-020-011, 103-020-007
Negotiating Parties: FRONTAGE GROUP LLC; OXBOW PARTNERS; KIRKWOOD GROUP, LLC; SERFAS DEVELOPMENT, LLC, SHERMAN SHYH HUANG LEE AND MIN LING LEE, TRUSTEES OF THE SHERMAN SHYH HUANG LEE FAMILY TRUST DATED JULY 19, 1984; GRACE ADORA HSU; ALICE TAMOURA LEE; CHI-YU KING AND BI-SHIA KING, TRUSTEES OF THE C + B TRUST, DATED AUGUST 12, 1991; PINECREST BADGER ASSOCIATES LLC; TAI-NAN WANG AND HSIU-MEI WANG; MOUNTAIN VIEW COUNTRY CLUB
Agency Negotiator: Jacob Ellis, City Manager
Under Negotiation: Price and Terms of Payment
- 4. CLOSED SESSION - CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION**
Pursuant to Government Code Section 54956.9(d)(1)
Name of Case: Douglas Heath v. City of Corona
WCAB Case Numbers: ADJ10705055, ADJ10705056, ADJ12902714

INVOCATION - Jennifer Ward, The Church of Jesus Christ of Latter-day Saints

The invocation may be offered by a person of any religion, faith, belief or non-belief, as well as Council Members. A list of volunteers is maintained by the City Clerk and interested persons should contact the Clerk for further information.

PLEDGE OF ALLEGIANCE

CONVENE OPEN SESSION

Individuals wishing to address the City Council are requested to complete a speaker card available at the rear of the Council Chambers. Please deliver the card to the City Clerk prior to the item being heard by the City Council or, for items not listed on the agenda, before the "Communications" section of the agenda is called. Please observe a three-minute limit for communications and please note that the Communications section of the agenda is limited to items within the subject matter jurisdiction of the City Council that are not listed on the agenda. Once called upon to speak, you are requested to state your name and city of residence for the record.

PROCLAMATIONS/RECOGNITIONS/PRESENTATIONS

5. [Recognitions: City of Corona Employee Recognition of 25, 30, and 35 years of service.](#)
6. [Recognition: 100 Anniversary - Corona Rotary Club.](#)
7. [Recognition: Citizen's Academy.](#)
8. [Proclamation: Small Business Saturday.](#)

MEETING MINUTES

9. **MINUTES** - [Approval of Minutes for the City Council, Successor Agency to the Redevelopment Agency of the City of Corona, Corona Public Financing Authority, Corona Utility Authority, Corona Housing Authority Study Session Meeting of October 26, 2022.](#)
10. **MINUTES** - [Approval of Minutes for the City Council, Successor Agency to the Redevelopment Agency of the City of Corona, Corona Public Financing Authority, Corona Utility Authority, Corona Housing Authority City Council Meeting of November 2, 2022.](#)

CONSENT CALENDAR

All items listed on the Consent Calendar are considered to be routine matters, status reports or documents covering previous City Council action. The items listed on the Consent Calendar may be enacted in one motion. With the concurrence of the City Council, a Council Member or any person in attendance may request that an item be removed for further consideration.

11. **FINANCIAL REPORT** - [City Council, Successor Agency to the Redevelopment Agency of the City of Corona, Corona Public Financing Authority, Corona Utility Authority, and Corona Housing Authority to receive and file the Monthly Fiscal Report for the month of September 2022.](#)
12. **FINANCIAL REPORT** - [City Council, Successor Agency to the Redevelopment Agency of the City of Corona, Corona Public Financing Authority, Corona Utility Authority, and Corona Housing Authority to receive and file the Monthly Investment Portfolio Report for the month of September 2022.](#)
13. **AGREEMENT** - [Expansion of the Wildland Protection Agreement between the City of Corona and the California Department of Forestry and Fire Protection.](#)

That the City Council:

- a. Approve the expanded Wildland Protection Agreement for Automatic and Mutual Aid in Fire Emergency Services between the City of Corona and the California Department of Forestry and Fire Protection.
- b. Authorize the City Manager, or his/her designee, to execute the Wildland Protection Agreement for Automatic and Mutual Aid in Fire Emergency Services between the City of Corona and the California Department of Forestry and Fire Protection annually until such time either party cancels the agreement in its entirety.

14. BID & PURCHASE - [Issuance of a Purchase Order to Ovivo USA LLC for Water Reclamation Facility 1 Digester No. 2 Dome Cover Replacement.](#)**That the:**

- a. City Council authorize an appropriation for \$274,115 from the Sewer Utility Fund (572) to the Capital Improvement Project No. 77230, titled Water Reclamation Facility 1 Digester Dome Replacement Project.
- b. City Council authorize the Purchasing Manager to issue a purchase order for \$293,341 to Ovivo for purchase of Ovivo fixed steel dome cover equipment for Water Reclamation Facility 1 Digester Replacement Project No 77230.
- c. City Council authorize the City Manager, or his designee, to negotiate and execute non-substantive extensions, change orders and amendments up to 10% of total contract cost or \$29,334 as authorized by Corona Municipal Code [Section 3.08.060\(J\)](#).
- d. Corona Utility Authority review, ratify, and to the extent necessary, direct the City Council to take the above actions.

15. BID & PURCHASE - [Professional Services Agreement for Arc Flash Study with Commonwealth Associates.](#)**That the:**

- a. City Council authorize an appropriation of \$92,594 from the Water Utility Fund (570), \$92,594 from the Sewer Utility Fund (572) and \$20,576 from the Reclaimed Water Utility Fund (567) to the Capital Improvement Project No. 76280, titled Arc Flash Study.
- b. City Council award Request for Proposal No. 22-045RH for Arc Flash Study services to Commonwealth Associates, in the amount of \$310,168 and waive any and all minor irregularities in the bidding document as submitted by said

bidder.

- c. City Council authorize the City Manager, or his designee, to execute the Professional Services Agreement to Commonwealth Associates in the amount of \$310,168.
- d. City Council authorize the City Manager, or his designee, to negotiate and execute non-substantive extensions, change orders and amendments up to 10% of total contract cost or \$31,016 as authorized by Corona Municipal Code [Section 3.08.070\(I\)](#).
- e. City Council authorize the Purchasing Manager to issue a purchase order to Commonwealth Associates, in the amount of \$310,168
- f. Corona Utility Authority review, ratify, and to the extent necessary, direct the City Council to take the above actions.

16. RELEASE OF SECURITY - [Release of the grading security posted by Griffco Land, LLC, for Parcel 4 of Parcel Map 37070 for the Terrano Apartments located at 2804 Fashion Drive.](#)

That the City Council release the Grading and Erosion Control Securities (Bond No. 380846S and Receipt No. DEP16-0176).

COMMUNICATIONS FROM THE PUBLIC

Persons wishing to address the City Council are requested to state their name and city of residence for the record. This portion of the agenda is intended for general public comment only, which means it is limited to items within the subject matter jurisdiction of the City Council that are not listed on the agenda. Please note that state law prohibits the City Council from discussing or taking action on items not listed on the agenda. The City Council will appreciate your cooperation in keeping your comments brief. Please observe a three-minute limit for communications.

PUBLIC HEARINGS

This portion of the agenda is for advertised public hearing items where formal public testimony on each individual item is accepted prior to City Council action.

ADMINISTRATIVE REPORTS

This portion of the agenda is for Council discussion and action on staff reports and new topics that may not be routine status reports, or documents covering previous City Council action.

LEGISLATIVE MATTERS

This portion of the agenda is for proposed ordinances presented for the City Council's consideration.

17. LEGISLATIVE MATTER - [Ordinance amending various chapters within Title 15 of the Corona Municipal Code and adopting by reference the 2022 California Building Standards Code \(California Code of Regulations, Title 24\).](#)

That the City Council:

- a. Approve Ordinance No. 3357 for consideration of amending various chapters within [Title 15 of the Corona Municipal Code](#) and adopting by reference the 2022 California Building Standards Code (California Code of Regulations, Title 24).
- b. Introduce by title only and waive full reading for consideration of Ordinance No. 3357, first reading of an ordinance amending Chapters [15.02](#), [15.04](#), [15.05](#), [15.07](#), [15.08](#), [15.09](#), [15.10](#), [15.11](#), [15.12](#), [15.20](#), [15.28](#), and updating Chapters [15.52](#), [15.56](#), and [15.60](#) of [Title 15 of the Corona Municipal Code](#), adopting by reference the 2022 Edition of the California Building Standards Code (California Code of Regulations, Title 24); including the 2022 California Building Code; the 2022 California Green Building Standards Code; the 2022 California Residential Code; the 2022 California Mechanical Code; the 2022 California Energy Code; the 2022 California Historical Building Code; the 2022 California Existing Building Code; the 2022 California Fire Code with Errata; the 2022 California Plumbing Code; and the 2022 California Electrical Code; together with certain additions, insertions, deletions and changes thereto; and updating related ordinances for uniformity with current codes.

BOARDS AND COMMISSIONS – REPORTS FROM CITY COUNCIL, COMMISSIONERS, AND STAFF FOR THE:

This portion of the agenda lists items from Commissions and Boards.

A) Planning & Housing Commission

B) Parks & Recreation Commission

C) Regional Meetings

18. **REGIONAL MEETING REPORT** - [Update from Council Member Jacque Casillas on the Western Riverside Council of Governments \(WRCOG\) meeting of November 7, 2022.](#)
19. **REGIONAL MEETING REPORT** - [Update from Vice Mayor Tony Daddario on the Western Riverside County Regional Conservation Authority \(RCA\) Meeting of November 7, 2022.](#)
20. **REGIONAL MEETING REPORT** - [Update from Mayor Wes Speake on the Riverside County Transportation Commission \(RCTC\) Meeting of November 9, 2022.](#)

CITY ATTORNEY'S REPORTS AND COMMENTS

CITY MANAGER'S REPORTS AND COMMENTS

CITY COUNCIL MEMBER REPORTS AND COMMENTS

21. CITY COUNCIL MEMBER REPORT - [Advance Travel Request for Council Member Jacque Casillas to attend 2022 League of California Cities Leaders Workshop.](#)

That the City Council approve the advance travel request for Council Member Jacque Casillas to attend the 2022 League of California Cities Leaders Workshop. The estimated total cost for the requested trip is \$679.75, which includes, meals, parking, and mileage reimbursement.

FUTURE AGENDA ITEMS

This portion of the agenda is for items requested by the Mayor or Council Members for consideration at a future meeting. No immediate action is taken on Future Agenda items; this section serves to highlight topics that will be considered at upcoming meetings. Council action on items that have appeared in this section takes place under Administrative Reports, when accompanied by a staff report.

1. COTW and Study Session Schedule (J. Steiner and T. Richins) December 7, 2022
2. City Park Master Plan Kickoff (Staff) December 14, 2022
3. Heritage Room Update (Staff) December 14, 2022
4. Utilities Operational Audit Update (Staff) December 14, 2022
5. Legislative Priorities Update (Staff) December 14, 2022
6. Parking Enforcement Update (Staff) January/February
7. Quarterly Sales Tax Update (Staff) January/February
8. Branding Update (Staff) January/February
9. Volunteer Program Update (Staff) February/March
10. CIP Priorities Check-in (Staff) February/March
11. Quiet Zone at Railroad Crossings (Staff) March/April
12. Rent Stabilization Update (T. Richins) TBD
13. Security Camera Master Plan Update (Staff) TBD
14. Banning Temporary Signs in the Public Right of Way (W. Speake) TBD
15. Catalytic Converters Ordinance (J. Steiner) TBD
16. Historic Civic Center Frontage Design Options (Staff) TBD
17. Development of a I-15 Corridor Lobbying Coalition (W. Speake) TBD
18. Options to Expedite Redevelopment of Main Street & Parkridge Ave. Area (J. Casillas) TBD
19. Cal Cities Membership (T. Richins) TBD
20. Interfund Loan Agreement LMD 84-2 Zone 19 (Staff) TBD

ADJOURNMENT

The next regular meeting of the City Council/Successor Agency to the Redevelopment Agency of the City of Corona/Corona Public Financing Authority/Corona Utility Authority/Corona Housing Authority is scheduled for Wednesday, December 7, 2022 at 4:30 P.M. or thereafter as noted on the posted agenda for closed session items in the City Council Board Room followed by the regular meeting at 6:30 p.m. or thereafter as noted on the posted agenda in the City Council Chambers.

Corona City Hall - Online, All the Time at www.CoronaCA.gov

Agendas for all City Council meetings are posted at least 72 hours prior to the meeting in the entry way display case at City Hall. A complete agenda packet is available for public inspection during business hours at the City Clerk's Office. Any materials relating to an item on the agenda which are distributed to all, or a majority of all, members of the City Council after the posting of the agenda will also be available at the same time for public

inspection during business hours at the City Clerk's Office.

Written communications from the public for the agenda must be received by the City Clerk's Office seven (7) days prior to the City Council meeting.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact the ADA Coordinator at (951) 736-2235. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting.

Meeting is Being Recorded



Staff Report

File #: 22-0892

CONFERENCE WITH REAL PROPERTY NEGOTIATORS

Pursuant to Government Code Section 54956.8

Property Location: [117-191-011](#) (725 S Main St)

Agency Negotiator: Jacob Ellis, City Manager

Negotiating Party: 99 CENTS ONLY STORES LLC

Under Negotiation: Price & Terms of Payment



Staff Report

File #: 22-0900

CONFERENCE WITH REAL PROPERTY NEGOTIATORS

Pursuant to Government Code Section 54956.8

Property: APN [103-020-010](#), [103-020-011](#), [103-020-007](#)

Negotiating Parties: FRONTAGE GROUP LLC; OXBOW PARTNERS; KIRKWOOD GROUP, LLC; SERFAS DEVELOPMENT, LLC, SHERMAN SHYH HUANG LEE AND MIN LING LEE, TRUSTEES OF THE SHERMAN SHYH HUANG LEE FAMILY TRUST DATED JULY 19, 1984; GRACE ADORA HSU; ALICE TAMOURA LEE; CHI-YU KING AND BI-SHIA KING, TRUSTEES OF THE C + B TRUST, DATED AUGUST 12, 1991; PINECREST BADGER ASSOCIATES LLC; TAI-NAN WANG AND HSIU-MEI WANG; MOUNTAIN VIEW COUNTRY CLUB

Agency Negotiator: Jacob Ellis, City Manager

Under Negotiation: Price and Terms of Payment

City of Corona

*400 S. Vicentia Ave.
Corona, CA 92882*

Study Session Minutes - Draft

Wednesday, October 26, 2022

Council Chambers 4:00 PM



**CITY COUNCIL/SUCCESSOR AGENCY TO THE REDEVELOPMENT AGENCY OF THE CITY OF
CORONA/CORONA PUBLIC FINANCING AUTHORITY/CORONA UTILITY
AUTHORITY/CORONA HOUSING AUTHORITY MEETING**

**Wes Speake, Mayor
Tony Daddario, Vice Mayor
Jacque Casillas, Council Member
Tom Richins, Council Member
Jim Steiner, Council Member**

**Revised agenda on October 24, 2022 at 5:20 p.m.

Item 1 - Presentation was revised.**

The Study Session meeting of October 26, 2022, will be conducted in person. Members may attend in person or remotely. To participate remotely, please use the following link:

<https://coronaca-gov.zoom.us/j/83964335492>

Rollcall

Present: 3 - Wes Speake, Jacque Casillas and Tom Richins

Absent: 2 - Tony Daddario and Jim Steiner

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by Jacob Ellis, City Manager.

CONVENE OPEN SESSION

Mayor Speake called the meeting to order at 4:03 p.m.

COMMUNICATIONS FROM THE PUBLIC

None.

AGENDA ITEMS

1. Discussion on building and grading permit fees for infill lots in the City's Historic District.

Joanne Coletta, Planning and Development Director, introduced the item and provided a presentation highlighting the following: Downton Specific Plan Boundary, Permit Fees vs Development Impact Fees, City Plan Check and Permit Costs for New Single Family Residential Construction, Development Impact Fees Collected by City with New Construction, Other Service Fees & Securities Collected by City with New Construction, Total Fees Per Single Family Residential Unit, Fees with Reduction Applied to Plan Check & Permit/Inspection Fees, Pros and Cons, and Options.

The Council discussed the item and had inquiries. Ms. Coletta, Tom Moody, Director of Utilities, and Kim Sitton, Finance Director, provided clarification.

Joe Morgan, resident, addressed the Council to express his concerns with the item.

2. Communications Plan Update.

Shaughn Hull, Chief Communications Officer, and Cindy Solis, Public Information Officer provided a report. They provided a presentation highlighting the following:

Digital Engagement Roadmap, Fiscal Year 2022 Digital Engagement Objectives, Objective 1 - Reimagine Corona's Brand, Identity, and Story, Objective 2 - Increase Subscribers and Engagements, Objective 3 - Make Our Live Broadcast Amazing, Objective 4 - Target Audience Playbook, Where We Are Today, Where We're Headed, Big Picture Customer Service Relations (CRM) Explainer, and Salesforce Implementation Timeline.

The Council provided comments and feedback.

Joe Morgan, resident, addressed the Council to provide concerns with the item.

3. Branding Research Findings.

Shaughn Hull, Chief Communications Officer, introduced the consultant, Pastilla. Kaitlin Hook, Senior Account Manager, Tyron Akal, Brand Strategist, and Youna Jang, Creative Art Director, provided a presentation highlighting the following: Community Engagement Executive Summary, Community Engagement Key Findings, Surveys, Community Meetings, Focus Groups, Farmer's Market, Summer Concert, Digital Surveys, City Staff Workshops, Extensive Interview, History Elements and Brand Identity, Strategic Recommendations, and the Project Timeline.

The Council provided comments and feedback.

The following residents addressed the Council to provide feedback on the Branding Project: Cari Smith and Joe Morgan.

ADJOURNMENT

The next scheduled meeting of the Council is November 1, 2022. Mayor Speake adjourned the meeting at 6:13 p.m.

City of Corona

*400 S. Vicentia Ave.
Corona, CA 92882*

City Council Minutes - Draft

Wednesday, November 2, 2022

**Closed Session Council Board Room 4:30 PM
Open Session Council Chambers 6:30 PM**



**CITY COUNCIL/SUCCESSOR AGENCY TO THE REDEVELOPMENT AGENCY OF THE CITY OF
CORONA/CORONA PUBLIC FINANCING AUTHORITY/CORONA UTILITY
AUTHORITY/CORONA HOUSING AUTHORITY MEETING**

**Wes Speake, Mayor
Tony Daddario, Vice Mayor
Jacque Casillas, Council Member
Tom Richins, Council Member
Jim Steiner, Council Member**

CONVENE CLOSED SESSION

Closed Session convened at 4:41 p.m. for the purpose listed below. Present were Mayor Speake, Council Member Casillas, Council Member Richins, and Council Member Steiner. Vice Mayor Daddario was present via video conference. Closed Session adjourned at 6:15 p.m.

CITY COUNCIL

1. CONFERENCE WITH LEGAL COUNSEL-ANTICIPATED LITIGATION
Significant exposure to litigation pursuant to Government Code Section 54956.9(d)(2)
(1 or more cases) (Housing Accountability Act)
2. CONFERENCE WITH LEGAL COUNSEL-ANTICIPATED LITIGATION
Government Code Section 54956.9(d)(4)
Possible initiation of litigation: (1 potential case)
3. CONFERENCE WITH REAL PROPERTY NEGOTIATORS
Government Code Section 54956.8
Property: APN 103-020-010, 103-020-011, 103-020-007
Negotiating Parties: FRONTAGE GROUP LLC; OXBOW PARTNERS; KIRKWOOD GROUP, LLC; SERFAS DEVELOPMENT, LLC, SHERMAN SHYH HUANG LEE AND MIN LING LEE, TRUSTEES OF THE SHERMAN SHYH HUANG LEE FAMILY TRUST DATED JULY 19, 1984; GRACE ADORA HSU; ALICE TAMOURA LEE; CHI-YU KING AND BI-SHIA KING, TRUSTEES OF THE C + B TRUST, DATED AUGUST 12, 1991; PINECREST BADGER ASSOCIATES LLC; TAI-NAN WANG AND HSIU-MEI WANG; MOUNTAIN VIEW COUNTRY CLUB
Agency Negotiator: Jacob Ellis, City Manager
Under Negotiation: Price and Terms of Payment

CITY COUNCIL/CORONA UTILITY AUTHORITY

4. CONFERENCE WITH LEGAL COUNSEL-ANTICIPATED LITIGATION
Significant exposure to litigation pursuant to Government Code Section 54956.9(d)(2)
(WRF3 Lift Station Project)

Rollcall

Present: 5 - Wes Speake, Tony Daddario, Jacque Casillas, Tom Richins, and Jim Steiner

INVOCATION

None.

PLEDGE OF ALLEGIANCE - Bryan David Baldrige

The Pledge of Allegiance was led by Bryan David Baldrige.

CONVENE OPEN SESSION

Mayor Speake called the meeting to order at 6:34 p.m.

PROCLAMATIONS/RECOGNITIONS/PRESENTATIONS

5. Recognitions: City of Corona Employee Recognition of 20 years of service.
City of Corona employees accepted their Recognitions.
6. Proclamation: Lung Cancer Awareness Month.
The Mayor proclaimed November as Lung Cancer Awareness Month.
7. Proclamation: National Diabetes Awareness Month.
Debbie George, Founder and CEO Ease T1D, and Michelle Thornburg, Co founder Ease T1D, accepted the Proclamation.
8. Presentation: FireSafe Corona Board.
Brian Young, Fire Chief, and Cindi Schmitz, Fire Marshal, introduced the FireSafe Corona Board.

MEETING MINUTES

A motion was made by Council Member Steiner, seconded by Council Member Casillas, that these Meeting Minutes be approved. The motion carried by the following vote:

Aye: 5 - Speake, Daddario, Casillas, Richins, and Steiner

9. Approval of Minutes for the City Council, Successor Agency to the Redevelopment Agency of the City of Corona, Corona Public Financing Authority, Corona Utility Authority, Corona Housing Authority Committee of the Whole Meeting of October 12, 2022.

These Minutes were approved.

10. Approval of Minutes for the City Council, Successor Agency to the Redevelopment Agency of the City of Corona, Corona Public Financing Authority, Corona Utility Authority, Corona Housing Authority City Council Meeting of October 19, 2022.

These Minutes were approved.

CONSENT CALENDAR

A motion was made by Council Member Casillas, seconded by Council Member Richins, that the Consent Calendar be approved with the exception of Items 12 and 16, which were voted on separately. The motion carried by the following vote:

Aye: 5 - Speake, Daddario, Casillas, Richins, and Steiner

- 11.** Acceptance of the State of California Office of Traffic Safety Selective Traffic Enforcement Program Federal Grant Award.

This Agreement was approved.

- 12.** Professional Service Agreement with RSG Inc. for technical support and analysis related to Rent Stabilization for Mobile Home Residents.

Anne Turner, Community Services Director, provided a staff report. The Council provided comments and had inquiries. Ms. Turner and Jamie Raymond, Chief Deputy City Attorney, provided clarification.

The following residents addressed the Council in support of rent stabilization: Eugene Fizek, Lydia Heusner, Natalie Lara, Daniel Lara, Jayda Lara, Alicia Loomis, Frank Corney, Fauzia Rizvi, Steve Heusner, Joe Morgan, Madeline Paxton, and Matt Woody.

A motion was made by Council Member Casillas, seconded by Council Member Richins, that this Agreement be approved. The motion carried by the following vote:

Aye: 5 - Speake, Daddario, Casillas, Richins, and Steiner

- 13.** Change orders for Potable Water and Sewer Treatment Chemicals for Fiscal Year 2023.

This Bid & Purchase was approved.

- 14.** Purchase Order with Suez Water Technologies and Solutions for the preparation, packaging, and transportation of used membranes acquired from the City of Henderson, Nevada and the purchase of membrane cassette frames for Water Reclamation Facility No. 3.

This Bid & Purchase was approved.

- 15.** Maintenance/General Services Agreement for As-Needed Painting Services with Tony Painting, Inc.

This Bid & Purchase was approved.

- 16.** Extension of time for Tentative Tract Map 34760 generally located at the south end of Malaga Street, in the Estate Residential Cluster of the Mountain Gate Specific Plan (APN 114-040-019).

The Council had inquiries and Joanne Coletta, Development and Planning Director, provided clarification.

Matt Woody, resident, addressed the Council regarding the proposed item.

Vice Mayor Daddario made a motion to approve a one-year extension of time for Tentative Tract Map 34760.

A motion was made by Vice Mayor Daddario, seconded by Council Member Steiner, that this

Extension of Time be approved for a one-year extension. The motion carried by the following vote:

Aye: 5 - Speake, Daddario, Casillas, Richins, and Steiner

- 17.** Creation of a new Capital Improvement Project and transferring funding for the demolition of the City Park pool, pool house, and abandoned water tank.

This Transfer of Funds was approved.

- 18.** Fiscal Year 2023 Quarter 1 Budgetary Adjustments.

This Budgetary was approved.

COMMUNICATIONS FROM THE PUBLIC

Don Fuller, resident, addressed the Council regarding the upcoming 2022 Election.

Joe Morgan, resident, addressed the Council to express his concerns with CalTrans and the Flood Control.

PUBLIC HEARINGS

None.

ADMINISTRATIVE REPORTS

- 19.** Request from Mayor Speake to explore possible revisions to the City's Historic Resources Ordinance, Corona Municipal Code Chapter 17.63.

Joanne Coletta, Planning and Development Director, provided a staff report.

Richard Winn, Corona Historic Preservation Society, addressed the Council to express support for the creation of the formation of an Ad-Hoc Committee.

The Council provided staff with direction to present the item at a future Study Session Meeting.

- 20.** Request from Mayor Speake to have the City Council consider waiving the construction of the missing sidewalk improvements on the south side of Orange Heights Lane between Main Street and Jasper Drive.

Roger Bradley, Assistant City Manager, and Joanne Coletta, Planning and Development Director, provided a staff report. Mayor Speake provided comments regarding the presentation.

Dale Ploung, resident, addressed the Council in support of the proposed item.

Joe Morgan, resident, addressed the Council to express his concerns with the proposed item.

Ernie Salazar, property owner, addressed the Council to discuss the proposed item and provide clarification for the Council's inquiries.

The Council provided comments and had inquiries. Ms. Coletta provided clarification.

Council Member Richins made a motion to postpone this item to a future City Council Meeting.

A motion was made by Council Member Richins, seconded by Council Member Steiner, that this Administrative Report be continued to a future City Council Meeting. The motion carried by the following vote:

Aye: 5 - Steiner, Speake, Daddario, Casillas, and Richins

21. Fiscal Year 2023 Quarter 1 Budget Update and Strategic Plan Progress Report

Kim Sitton, Finance Director, Julie Kennicutt, Budget Manager, and Donna Finch, Assistant to the City Manager, provided a staff report. The Council had inquiries and Ms. Sitton, Ms. Kennicutt, and Ms. Finch, provided clarification.

Joe Morgan, resident, addressed the Council to express his concerns regarding the proposed item.

LEGISLATIVE MATTERS

None.

BOARDS AND COMMISSIONS – REPORTS FROM CITY COUNCIL, COMMISSIONERS, AND STAFF FOR THE:

A) Planning & Housing Commission

None.

B) Parks & Recreation Commission

None.

C) Regional Meetings

22. Update from Council Member Tom Richins on the Riverside Transit Agency (RTA) Board Meeting of October 27, 2022.

Council Member Richins provided an update.

23. Update from Mayor Wes Speake on the Riverside County Transportation Commission (RCTC) Western Programs Meeting of October 24, 2022.

Mayor Speake provided an update.

CITY ATTORNEY'S REPORTS AND COMMENTS

None.

CITY MANAGER'S REPORTS AND COMMENTS

None.

- 24.** Consideration of a support letter for S. 2981 and H.R. 3172, the Homes for Every Local Protector, Educator, and Responder (HELPER) Act.

The Council unanimously approved the support letter.

This City Council Member Report was approved.

- 25.** Travel and other related expense reimbursements for Mayor Wes Speake.

A motion was made by Council Member Casillas, seconded by Council Member Richins, that this City Council Member Report be approved. The motion carried by the following vote:

Aye: 5 - Speake, Daddario, Casillas, Richins, and Steiner

CITY COUNCIL MEMBER REPORTS AND COMMENTS

Council Member Casillas provided a brief overview of her nomination as second Vice President for League of California Cities Regional Division and nomination as Chair for the Policy Committee for Community Service.

Council Member Richins provided a brief overview of Halloween at City Hall. He also recognized Don Fuller.

Council Member Steiner commended the following for their hard work: Council Member Casillas, Savat Khamphou, Public Works Director, Rosalva Ureno, City Traffic Engineer, and Aaron Cox, Public Works.

Vice Mayor Daddario provided a brief overview of his meeting with a resident and ABC Hopes 10 year anniversary. He also announced Amber Waves of Grain Beer Festival on November 5, 2022.

Mayor Speake provided a brief overview of the following: Congressional Forum, biking for Benjamin event, and Student Discovery Day. He also commended Anne Turner, Community Services Director, and staff for the tree planting in District 5. He announced Stagecoach Park Cleanup on November 12, 2022.

FUTURE AGENDA ITEMS

1. Enhanced Community Events Calendar (Staff) November 9, 2022
2. Parks and Recreation Master Plan Update (Staff) November 9, 2022
3. Summer Events (Staff) November 9, 2022
4. Secondhand Smoke as a Nuisance (W. Speake) November 9, 2022
5. Transit Comprehensive Operations Analysis (Staff) November 16, 2022
6. Anti-Camping Ordinance (Staff) November 16, 2022
7. Legislative Priorities Update (Staff) December/January
8. City Park Master Plan Kickoff (Staff) December/January
9. Heritage Room Update (Staff) December/January
10. Utilities Operational Audit Update (Staff) December/January
11. Parking Enforcement Update (Staff) January/February
12. Quarterly Sales Tax Update (Staff) January/February
13. Branding Update (Staff) January/February
14. Volunteer Program Update (Staff) February/March
15. CIP Priorities Check-in (Staff) February/March
16. Quiet Zone at Railroad Crossings (Staff) March/April
17. Rent Stabilization Update (T. Richins) TBD
18. Security Camera Master Plan Update (Staff) TBD
19. Banning Temporary Signs in the Public Right of Way (W. Speake) TBD
20. Catalytic Converters Ordinance (J. Steiner) TBD
21. Historic Civic Center Frontage Design Options (Staff) TBD
22. Development of a I-15 Corridor Lobbying Coalition (W. Speake) TBD
23. Options to Expedite Redevelopment of Main Street & Parkridge Ave. Area (J. Casillas) TBD
24. Cal Cities Membership (T. Richins) TBD
25. Interfund Loan Agreement LMD 84-2 Zone 19 (Staff) TBD

ADJOURNMENT

The next scheduled meeting of the Council is the Committee of the Whole of November 9, 2022. Mayor Speake adjourned the meeting at 9:42 p.m. in honor of his friend who has recently passed.



MEMORANDUM

November 16, 2022

TO: City Clerk
**FROM: Kim Sitton
Finance Director**
SUBJECT: Monthly Fiscal Report, September 2022

Pursuant to CMC Section 2.28.010 (D) the attached report provides an accounting of all receipts, disbursements and fund balances for the month of September 2022, subject to final audit.

Prepared By:

Reviewed By:

DocuSigned by:
Vicky Pang
268AF5C7CE1E40E...
Financial Analyst

DocuSigned by:
Christine Thompson
C477487B2FB3438...
Accounting Manager

Respectfully submitted:

DocuSigned by:
Kim Sitton
AEC6A49B8DD44E7...
Finance Director

DocuSigned by:
Roger Bradley
DA4906886BCC4E9...
Assistant City Manager

DocuSigned by:
Chad Willardson
AC0F9B8DE62B4FC...
City Treasurer

Attachment



CITY OF CORONA
Receipts and Disbursements*
September 30, 2022

DESCRIPTION	BEGINNING BALANCE	RECEIPTS	DISBURSEMENTS	ENDING BALANCE
Balance Per Bank - Bank of America	\$ 5,413,896.39	\$ 59,548,033.90	\$ 58,165,320.41	\$ 6,796,609.88
Deposits in Transit, as restated	984,089.12	728,007.35	984,089.12	728,007.35
Outstanding Checks	(1,176,045.78)	1,176,045.78	4,890,284.55	(4,890,284.55)
Fiscal Agents	37,185,032.18	11,582,811.23	23,563,753.51	25,204,089.90
Investments				
Chandler Investment- City Account	313,258,333.77	7,203,349.22	6,881,099.47	313,580,583.52
Chandler Investment -Pension Trust Fund	30,008,313.86	72,964.14		30,081,278.00
LAIF	101,695,864.70	29,500,000.00	16,900,000.00	114,295,864.70
Investments Subtotal	444,962,512.33	36,776,313.36	23,781,099.47	457,957,726.22
Change Fund	10,248.00			10,248.00
Returned Checks		23,958.00	13,684.53	10,273.47
Credit Card Reconciling Items- Fees	(2,821.46)	2,821.46	2,630.21	(2,630.21)
TOTAL	\$ 487,376,910.78	\$ 109,837,991.08	\$ 111,400,861.80	\$ 485,814,040.06

* For informational purpose only
Subject to final audit



CITY OF CORONA
Cash and Investment Status Report
September 30, 2022

ACCOUNTS	ENDING BANK BAL	DEPOSITS IN TRANSIT	OUTSTANDING CHECKS	MISCELLANEOUS RECONCILING ITEMS	RECONCILED BALANCES
LAIF	\$ 114,295,864.70				\$ 114,295,864.70
Chandler Investment- City Account	\$ 313,580,583.52				\$ 313,580,583.52
Chandler Investment -Pension Trust Fund	\$ 30,081,278.00				\$ 30,081,278.00
Investment Total	457,957,726.22				457,957,726.22
General Account - Bank of America	6,446,781.80	511,040.45	(4,823,489.57)	7,643.26	2,141,975.94
Worker's Comp Account - Bank of America	349,828.08	216,966.90	(66,794.98)		500,000.00
Fiscal Agent Accounts	25,204,089.90				25,204,089.90
Cashiers Change	10,248.00				10,248.00
BALANCE PER BOOKS OF CITY TREASURER & FINANCE DIRECTOR	\$ 489,968,674.00	\$ 728,007.35	\$ (4,890,284.55)	\$ 7,643.26	\$ 485,814,040.06

Subject to final audit



CITY OF CORONA
Cash Balance By Fund
September 30, 2022

General Fund		\$ 137,356,251.98
Special Revenue Funds		
Gas Tax	6,650,776.37	
Measure A	19,553,735.19	
Trip Reduction	1,572,158.07	
Asset Forfeiture	440,622.38	
Development	28,063,138.21	
Residential Refuse/Recycling	64,624.57	
Landscape and Streetlight Maintenance	23,633,265.22	
Other Grants and Endowments	<u>30,318,582.50</u>	110,296,902.51
Debt Service Funds		
Public Financing Authority	<u>42.37</u>	42.37
Capital Project Funds		
Housing/Community Development	339,001.63	
Planned Local Drainage	545,235.98	
Other Grants	(7,905,948.97)	
Public Facility Project	(4,273,280.03)	
Corona Housing Authority	<u>27,573,338.61</u>	16,278,347.22
Enterprise Funds		
Water Utility	46,068,561.94	
Water Reclamation Utility	77,369,045.46	
Transit	1,184,828.93	
Electric Utility	26,237,763.07	
Airport	<u>1,350,837.95</u>	152,211,037.35
Internal Service Funds		
Fleet Operations	5,301,650.51	
Workers' Compensation	24,583,825.98	
Liability Risk	(2,185,092.88)	
Warehouse Services	695,090.45	
Information Technology	<u>9,088,681.21</u>	37,484,155.27
Fiduciary Funds		
AD & CFD Bond Funds	24,770,021.77	
AB109 PACT	25,165.11	
Successor Agency	<u>7,392,116.48</u>	32,187,303.36
Total All Funds		<u><u>\$ 485,814,040.06</u></u>

Subject to final audit



CITY OF CORONA
Investment Portfolio Report
September 30, 2022

INVESTMENTS	PAR VALUE	MARKET VALUE	BOOK VALUE	PERCENT OF PORTFOLIO
ABS	38,834,924.46	37,588,922.34	38,831,887.44	8.48%
Agency	68,745,000.00	63,531,669.36	69,211,791.40	15.11%
CMO	18,218,302.12	17,795,995.36	18,731,401.71	4.09%
Pension Trust	15,607,512.30	28,465,134.25	30,081,278.01	6.57%
Corporate	84,131,000.00	77,358,871.73	83,832,694.76	18.31%
LAIF	114,295,864.70	114,295,864.70	114,295,864.70	24.96%
Money Market Fund FI	709,931.95	709,931.95	709,931.95	0.16%
Municipal Bonds	3,385,000.00	3,253,086.55	3,462,753.45	0.76%
Negotiable CD	500,000.00	495,044.00	500,000.00	0.11%
Supranational	12,690,000.00	11,274,575.41	12,633,094.65	2.76%
US Treasury	85,720,000.00	80,126,706.39	85,667,028.15	18.71%
TOTAL PORTFOLIO	\$ 442,837,535.53	\$ 434,895,802.04	\$ 457,957,726.22	100.00%

Subject to final audit



City of Corona Investment Portfolio Report Month Ending September 30, 2022

In accordance with the City Investment Policy, a monthly investment report shall be filed with the City Council which provides a clear picture of the status of the current investments. The report for the month ending September 30, 2022 has been prepared by Chandler Asset Management. We hereby certify that this report accurately reflects all pooled investments and is in compliance with the City's Investment Policy. Combined with anticipated revenues, the portfolio contains sufficient investment liquidity to meet budgeted expenditures for the next six months.

SUBMITTED BY:

DocuSigned by:

Chad Willardson

AC0F9BBDE62B4FC
Chad T. Willardson
City Treasurer

DocuSigned by:

Kim Sitton

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Kim Sitton
Finance Director

DocuSigned by:

Roger Bradley

DA4906886BCC4F9
Roger Bradley
Assistant City Manager

REVIEWED BY:

DocuSigned by:

Christine Thompson

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Christine Thompson
Accounting Manager

Investment Summary

	City's Investment	Pension Trust	Total Investment
Beginning balance August 31, 2022	\$ 414,954,198	\$ 30,008,314	\$ 444,962,512
Acquisitions / Additions:			
Agency Notes	3,399,518		3,399,518
US Corporate Notes	-		-
LAIF	29,500,000		29,500,000
Money Market Fund	1,775,376	72,964.15	1,848,340
	<u>\$ 34,674,893</u>	<u>72,964.15</u>	<u>\$ 34,747,858</u>
Dispositions / Withdrawals:			
Agency Notes	2,130,873		2,130,873
US Corporate Notes	1,293,514		1,293,514
LAIF	16,900,000		16,900,000
Money Market Fund	1,374,000		1,374,000
	<u>\$ 21,698,387</u>		<u>\$ 21,698,387</u>
Gain/(Loss) on Dispositions	\$ (54,257)		\$ (54,257)
Ending balance, September 30, 2022	<u>\$ 427,876,448</u>	<u>\$ 30,081,278</u>	<u>\$ 457,957,726</u>



City of Corona Consolidated - Account #10003

MONTHLY ACCOUNT STATEMENT

SEPTEMBER 1, 2022 THROUGH SEPTEMBER 30, 2022

Chandler Team:

For questions about your account, please call (800) 317-4747,
or contact operations@chandlerasset.com

Custodian

Bank of New York Mellon
Lauren Dehner
(904) 645-1918

CHANDLER ASSET MANAGEMENT
chandlerasset.com

Information contained herein is confidential. We urge you to compare this statement to the one you receive from your qualified custodian. Please see Important Disclosures.

City of Corona Consolidated

Account #10003

Portfolio Summary

As of September 30, 2022



PORTFOLIO CHARACTERISTICS

Average Modified Duration	1.71
Average Coupon	1.61%
Average Purchase YTM	1.60%
Average Market YTM	3.68%
Average S&P/Moody Rating	AA/Aa1
Average Final Maturity	1.96 yrs
Average Life	1.80 yrs

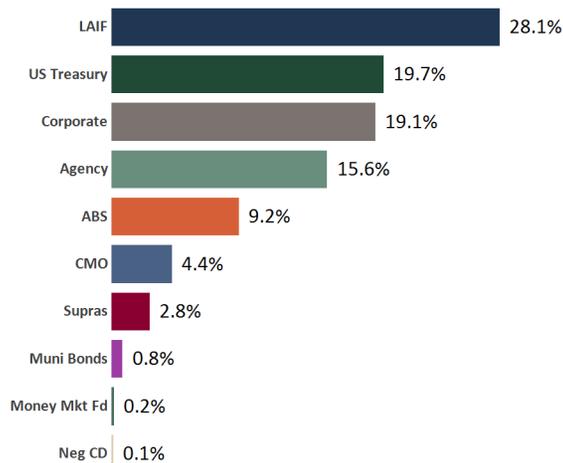
ACCOUNT SUMMARY

	Beg. Values as of 8/31/22	End Values as of 9/30/22
Market Value	398,707,413	406,430,668
Accrued Interest	1,241,280	1,411,761
Total Market Value	399,948,694	407,842,428
Income Earned	518,456	546,987
Cont/WD		
Par	414,230,003	427,230,023
Book Value	414,954,198	427,876,448
Cost Value	414,954,198	427,876,448

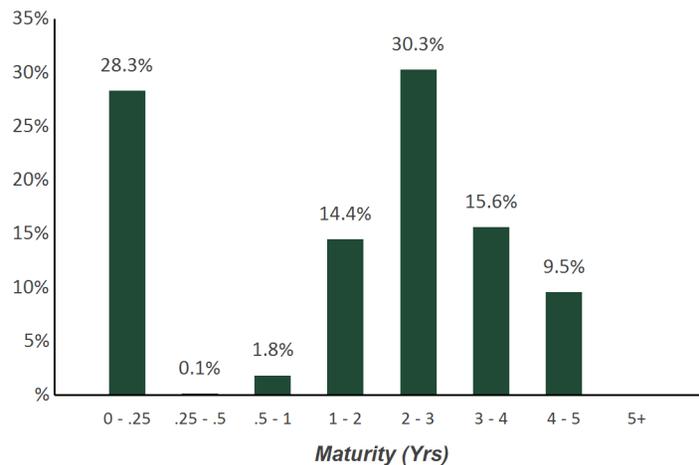
TOP ISSUERS

Local Agency Investment Fund	28.1%
Government of United States	19.7%
Federal Home Loan Mortgage Corp	8.7%
Federal National Mortgage Assoc	7.1%
Federal Home Loan Bank	4.2%
Inter-American Dev Bank	1.4%
Intl Bank Recon and Development	1.4%
Bank of America Corp	1.3%
Total	71.9%

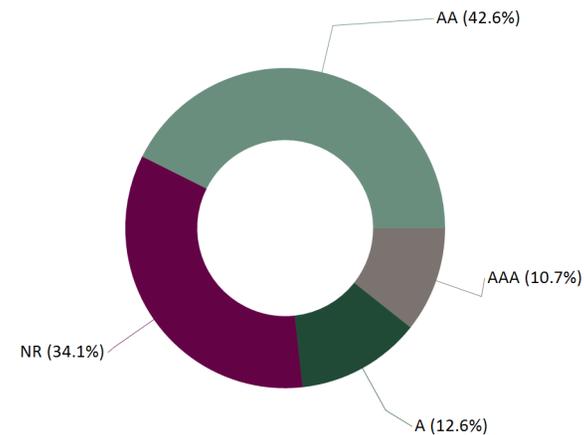
SECTOR ALLOCATION



MATURITY DISTRIBUTION



CREDIT QUALITY (S&P)



Statement of Compliance

As of September 30, 2022



City of Corona Consolidated

This portfolio is a consolidation of assets managed by Chandler Asset Management and assets managed internally by Client. Chandler relies on Client to provide accurate information for reporting assets and producing this compliance statement.

Category	Standard	Comment
U.S. Treasuries	No limit; 5 years max maturity	<i>Complies</i>
Federal Agencies	75% max; 5 years max maturity	<i>Complies</i>
Supranational Obligations	"AA" rated or better by a NRSRO; 10% max per issuer; 5 years max maturity; Washington D.C. based issuers: IADB, IBRD, and IFC	<i>Complies</i>
Municipal Securities	"A" rating or better by a NRSRO; 25% max; 5% max per issuer; 5 years max maturity	<i>Complies</i>
Corporate Medium Term Notes	"A" rating category or better by NRSRO; 30% max; 5% max per issuer; 5 years max maturity; Issued by corporations; U.S. domiciled corporations or U.S. licensed depository	<i>Complies</i>
Asset-Backed, Mortgage-Backed Pass-Through Securities, Collateralized Mortgage Obligations (Non-Government Issued)	"AA" or rating category or better by a NRSRO; 15% max; 5% max per issuer; 5 years max maturity; Non-Government issued	<i>Complies</i>
Negotiable Certificates of Deposit	"A-1/P-1" or better short term debt rating; and "A2/A" or better long term debt rating; 20% max; 5% max per issuer; 3 years max maturity; May not exceed shareholder's equity of issuing bank or net worth of issuing S&L or Federal Association; Issued by a nationally or state chartered bank, a federal association, or a state licensed branch of a foreign owned bank (insured by federal government)	<i>Complies</i>
Banker's Acceptances	20% max; 25% max per institution; 180 days max maturity	<i>Complies</i>
Commercial Paper	"A-1/P-1" rating for issuer's Commercial Paper; "A2/A" or higher rating on long term debt; 25% max; 40% max in Commercial Paper if the Agency's investment assets under management are greater than \$100 million; 5% max per issuer; 10% max of the issuer's outstanding paper; 270 days max maturity; U.S. domiciled corporations with assets > \$500 million	<i>Complies</i>
Mutual Funds and Money Market Mutual Funds	Highest rating or "AAA" rated by two NRSROs; SEC registered investment adviser with AUM >\$500 million and experience > 5 years; 20% max in Mutual Funds and Money Market Mutual Fund; 20% max in Money Market Mutual Funds; 10% max in Mutual Fund	<i>Complies</i>
Local Agency Investment Fund (LAIF)	Limit set by LAIF; State of California Local Agency Investment Fund (LAIF) or other Local Government Investment Pools established by public entities; Not used by investment adviser	<i>Complies</i>
Repurchase Agreements	10% max; 5% max per issuer; 14 days max maturity; 102% collateral or greater with securities permitted in the policy; Not used by investment adviser	<i>Complies</i>
Max Per Issuer	5% max per issuer, unless otherwise specified in the policy, other than U.S. Government, its Agencies and instrumentalities, Money Market Mutual Funds, and LAIF	<i>Complies</i>
Maximum Maturity	5 years	<i>Complies</i>

City of Corona Consolidated

Account #10003

Holdings Report

As of September 30, 2022



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
ABS									
43815NAC8	Honda Auto Receivables Trust 2019-3 A3 1.78% Due 8/15/2023	137,895.36	08/20/2019 1.79%	137,894.22 137,894.22	99.89 3.58%	137,742.98 109.09	0.03% (151.24)	Aaa / AAA NR	0.87 0.06
58769EAC2	Mercedes-Benz Auto Lease Trust 2020- B A3 0.4% Due 11/15/2023	493,392.53	09/15/2020 0.40%	493,367.51 493,367.51	99.48 3.67%	490,823.44 87.71	0.12% (2,544.07)	NR / AAA AAA	1.13 0.16
477870AC3	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	57,130.34	07/16/2019 2.23%	57,118.22 57,118.22	99.88 3.61%	57,063.49 56.11	0.01% (54.73)	Aaa / NR AAA	1.21 0.08
92348AAA3	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	235,209.80	10/01/2019 1.95%	235,191.66 235,191.66	99.77 3.38%	234,660.58 139.43	0.06% (531.08)	NR / AAA AAA	1.56 0.16
44891VAC5	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	1,900,000.00	06/08/2021 0.34%	1,899,715.00 1,899,715.00	97.56 4.63%	1,853,678.00 278.67	0.45% (46,037.00)	Aaa / AAA NR	1.72 0.57
65479JAD5	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	481,146.87	10/16/2019 1.94%	481,121.47 481,121.47	99.62 3.76%	479,325.73 412.72	0.12% (1,795.74)	Aaa / AAA NR	1.79 0.21
43813DAC2	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	433,958.18	05/18/2020 0.83%	433,924.02 433,924.02	99.54 1.94%	431,951.98 158.15	0.11% (1,972.04)	Aaa / AAA NR	1.79 0.41
47789KAC7	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	743,797.80	Various 1.00%	745,400.76 745,400.76	99.01 4.14%	736,419.32 363.64	0.18% (8,981.44)	Aaa / NR AAA	1.88 0.32
43813KAC6	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	1,071,619.58	09/22/2020 0.38%	1,071,462.16 1,071,462.16	97.82 4.54%	1,048,273.28 143.18	0.26% (23,188.88)	NR / AAA AAA	2.05 0.52
36262XAC8	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	2,145,000.00	08/10/2021 0.39%	2,144,970.83 2,144,970.83	96.64 4.56%	2,072,973.05 255.61	0.51% (71,997.78)	NR / AAA AAA	2.06 0.81
47787NAC3	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	367,818.27	07/14/2020 0.52%	367,762.22 367,762.22	98.05 4.85%	360,651.33 83.37	0.09% (7,110.89)	Aaa / NR AAA	2.13 0.45
09690AAC7	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	950,000.00	09/08/2021 0.34%	949,901.96 949,901.96	97.15 4.51%	922,910.76 52.25	0.23% (26,991.20)	Aaa / NR AAA	2.24 0.68
89236XAC0	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	817,171.58	10/06/2020 0.36%	817,019.34 817,019.34	98.07 4.58%	801,374.03 127.12	0.20% (15,645.31)	NR / AAA AAA	2.30 0.46
44891WAC3	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	1,205,000.00	01/11/2022 1.16%	1,204,973.37 1,204,973.37	96.28 4.51%	1,160,165.57 621.24	0.28% (44,807.80)	Aaa / AAA NR	2.30 1.12

City of Corona Consolidated

Account #10003

Holdings Report

As of September 30, 2022



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
ABS									
92290BAA9	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	1,988,658.86	08/04/2020 0.48%	1,988,241.24 1,988,241.24	98.46 4.20%	1,958,079.25 285.59	0.48% (30,161.99)	Aaa / NR AAA	2.39 0.41
89238LAC4	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	2,565,000.00	02/23/2022 1.98%	2,564,596.27 2,564,596.27	96.40 4.67%	2,472,665.13 1,536.15	0.61% (91,931.14)	NR / AAA AAA	2.39 1.35
36265MAC9	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	2,105,000.00	02/15/2022 1.91%	2,104,981.90 2,104,981.90	96.55 4.71%	2,032,413.29 1,222.07	0.50% (72,568.61)	Aaa / NR AAA	2.47 1.24
05601XAC3	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	1,000,000.00	01/11/2022 1.11%	999,850.50 999,850.50	96.29 4.76%	962,865.00 183.33	0.24% (36,985.50)	NR / AAA AAA	2.48 1.02
43813GAC5	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	671,191.40	02/17/2021 0.27%	671,179.12 671,179.12	97.08 4.95%	651,612.08 50.34	0.16% (19,567.04)	Aaa / NR AAA	2.56 0.62
44891RAC4	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	1,308,412.48	10/20/2020 0.39%	1,308,111.15 1,308,111.15	97.55 4.60%	1,276,324.97 220.98	0.31% (31,786.18)	NR / AAA AAA	2.62 0.58
89240BAC2	Toyota Auto Receivables Owners 2021- A A3 0.26% Due 5/15/2025	2,387,521.41	02/02/2021 0.27%	2,387,078.29 2,387,078.29	97.43 4.30%	2,326,243.29 275.89	0.57% (60,835.00)	Aaa / NR AAA	2.62 0.63
44933LAC7	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	1,340,000.00	04/20/2021 0.38%	1,339,859.03 1,339,859.03	96.68 4.59%	1,295,466.44 226.31	0.32% (44,392.59)	NR / AAA AAA	2.96 0.79
43815GAC3	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	1,025,000.00	11/16/2021 0.89%	1,024,783.93 1,024,783.93	94.61 4.70%	969,765.83 250.56	0.24% (55,018.10)	Aaa / NR AAA	3.31 1.43
47789QAC4	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	1,290,000.00	07/13/2021 0.52%	1,289,884.93 1,289,884.93	94.50 4.71%	1,219,083.54 298.13	0.30% (70,801.39)	Aaa / NR AAA	3.46 1.33
89238JAC9	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	955,000.00	11/09/2021 0.71%	954,979.66 954,979.66	94.72 4.62%	904,610.38 301.36	0.22% (50,369.28)	NR / AAA AAA	3.54 1.37
44935FAD6	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	730,000.00	11/09/2021 0.75%	729,837.06 729,837.06	94.36 4.93%	688,857.94 240.09	0.17% (40,979.12)	NR / AAA AAA	3.62 1.37
43815BAC4	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	1,650,000.00	02/15/2022 1.89%	1,649,751.84 1,649,751.84	95.03 4.81%	1,568,004.90 1,378.67	0.38% (81,746.94)	Aaa / AAA NR	3.62 1.73

City of Corona Consolidated

Account #10003

Holdings Report

As of September 30, 2022



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
ABS									
05602RAD3	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	1,065,000.00	05/10/2022 3.23%	1,064,944.62 1,064,944.62	97.34 4.81%	1,036,689.11 569.78	0.25% (28,255.51)	Aaa / AAA NR	3.90 1.70
362554AC1	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	780,000.00	10/13/2021 0.68%	779,980.11 779,980.11	94.24 5.04%	735,082.14 221.00	0.18% (44,897.97)	Aaa / AAA NR	3.96 1.34
47787JAC2	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	1,010,000.00	03/10/2022 2.34%	1,009,776.59 1,009,776.59	95.59 5.00%	965,507.48 1,041.42	0.24% (44,269.11)	Aaa / NR AAA	3.96 1.67
448977AD0	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	1,350,000.00	03/09/2022 2.23%	1,349,948.03 1,349,948.03	95.93 4.62%	1,295,036.10 1,332.00	0.32% (54,911.93)	NR / AAA AAA	4.04 1.72
380146AC4	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	660,000.00	01/11/2022 1.27%	659,942.65 659,942.65	95.13 4.79%	627,882.43 346.50	0.15% (32,060.22)	NR / AAA AAA	4.13 1.40
02582JIT8	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	2,765,000.00	05/17/2022 3.42%	2,764,388.38 2,764,388.38	96.77 4.75%	2,675,690.50 4,165.93	0.66% (88,697.88)	NR / AAA AAA	4.63 2.44
92348KAV5	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	1,150,000.00	08/02/2022 3.75%	1,149,949.40 1,149,949.40	99.05 4.51%	1,139,029.00 1,307.17	0.28% (10,920.40)	NR / AAA AAA	4.81 1.79
Total ABS		38,834,924.46	1.29%	38,831,887.44	4.56%	37,588,922.34 18,341.56	9.22% (1,242,965.10)	Aaa / AAA AAA	2.91 1.11
AGENCY									
3130AB3H7	FHLB Note 2.375% Due 3/8/2024	4,000,000.00	04/29/2019 2.37%	4,000,280.00 4,000,280.00	97.22 4.39%	3,888,996.00 6,069.44	0.96% (111,284.00)	Aaa / AA+ NR	1.44 1.39
3130A1XJ2	FHLB Note 2.875% Due 6/14/2024	5,500,000.00	Various 1.95%	5,740,000.40 5,740,000.40	97.52 4.40%	5,363,352.51 46,998.26	1.33% (376,647.89)	Aaa / AA+ NR	1.71 1.63
3130A2UW4	FHLB Note 2.875% Due 9/13/2024	4,000,000.00	09/13/2019 1.79%	4,206,760.00 4,206,760.00	97.26 4.35%	3,890,300.00 5,750.00	0.96% (316,460.00)	Aaa / AA+ AAA	1.96 1.87
3135G0W66	FNMA Note 1.625% Due 10/15/2024	3,500,000.00	Various 1.21%	3,564,275.00 3,564,275.00	94.91 4.25%	3,321,927.00 26,225.69	0.82% (242,348.00)	Aaa / AA+ AAA	2.04 1.96
3130AQF40	FHLB Note 1% Due 12/20/2024	4,300,000.00	12/21/2021 1.02%	4,297,205.00 4,297,205.00	92.98 4.35%	3,997,968.00 12,063.89	0.98% (299,237.00)	Aaa / AA+ AAA	2.22 2.15
3135G0X24	FNMA Note 1.625% Due 1/7/2025	4,220,000.00	Various 1.30%	4,282,878.20 4,282,878.20	94.36 4.26%	3,981,894.94 16,000.83	0.98% (300,983.26)	Aaa / AA+ AAA	2.27 2.18

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AGENCY									
3137EAEP0	FHLMC Note 1.5% Due 2/12/2025	6,575,000.00	02/13/2020 1.52%	6,569,937.25 6,569,937.25	93.94 4.22%	6,176,311.73 13,423.96	1.52% (393,625.52)	Aaa / AA+ AAA	2.37 2.28
3135G03U5	FNMA Note 0.625% Due 4/22/2025	5,270,000.00	04/22/2020 0.67%	5,259,143.80 5,259,143.80	91.14 4.32%	4,803,109.62 14,547.40	1.18% (456,034.18)	Aaa / AA+ AAA	2.56 2.48
3135G04Z3	FNMA Note 0.5% Due 6/17/2025	6,200,000.00	Various 0.51%	6,196,731.90 6,196,731.90	90.39 4.29%	5,604,446.60 8,955.55	1.38% (592,285.30)	Aaa / AA+ AAA	2.72 2.64
3137EAEU9	FHLMC Note 0.375% Due 7/21/2025	6,300,000.00	Various 0.45%	6,277,899.60 6,277,899.60	89.73 4.30%	5,652,945.90 4,593.75	1.39% (624,953.70)	Aaa / AA+ AAA	2.81 2.73
3135G05X7	FNMA Note 0.375% Due 8/25/2025	6,285,000.00	Various 0.46%	6,260,439.20 6,260,439.20	89.43 4.29%	5,620,650.36 2,356.88	1.38% (639,788.84)	Aaa / AA+ AAA	2.90 2.83
3137EAEX3	FHLMC Note 0.375% Due 9/23/2025	6,295,000.00	Various 0.44%	6,276,346.05 6,276,346.05	89.25 4.25%	5,618,419.70 524.59	1.38% (657,926.35)	Aaa / AA+ AAA	2.98 2.90
3135G06G3	FNMA Note 0.5% Due 11/7/2025	6,300,000.00	Various 0.57%	6,279,895.00 6,279,895.00	89.07 4.30%	5,611,347.00 12,600.00	1.38% (668,548.00)	Aaa / AA+ AAA	3.11 3.01
Total Agency		68,745,000.00	1.03%	69,211,791.40	4.30%	63,531,669.36 170,110.24	15.62% (5,680,122.04)	Aaa / AA+ AAA	2.45 2.37
CMO									
3137B5JM6	FHLMC K034 A2 3.531% Due 7/25/2023	3,850,000.00	08/28/2018 3.03%	3,931,662.11 3,931,662.11	99.24 4.33%	3,820,582.15 11,328.63	0.94% (111,079.96)	NR / NR AAA	0.82 0.69
3137B4WB8	FHLMC K033 A2 3.06% Due 7/25/2023	3,350,000.00	07/23/2019 2.18%	3,458,875.00 3,458,875.00	98.97 4.34%	3,315,652.45 1,708.50	0.81% (143,222.55)	Aaa / NR NR	0.82 0.65
3137B7MZ9	FHLMC K036 A2 3.527% Due 10/25/2023	3,750,000.00	Various 2.97%	3,837,910.16 3,837,910.16	99.06 4.35%	3,714,873.75 2,204.38	0.91% (123,036.41)	Aaa / NR AAA	1.07 0.89
3137BYPQ7	FHLMC K726 A2 2.905% Due 4/25/2024	2,768,302.12	04/22/2019 2.72%	2,788,091.16 2,788,091.16	97.71 4.50%	2,704,985.51 6,701.60	0.66% (83,105.65)	NR / AAA NR	1.57 1.34
3137BSP72	FHLMC K058 A2 2.653% Due 8/25/2026	1,500,000.00	11/12/2021 1.35%	1,586,425.78 1,586,425.78	93.16 4.59%	1,397,350.50 3,316.25	0.34% (189,075.28)	NR / NR AAA	3.90 3.57
3137BSRE5	FHLMC K059 A2 3.12% Due 9/25/2026	3,000,000.00	02/18/2022 1.98%	3,128,437.50 3,128,437.50	94.75 4.58%	2,842,551.00 7,800.00	0.70% (285,886.50)	NR / AAA AAA	3.99 3.57
Total CMO		18,218,302.12	2.50%	18,731,401.71	4.42%	17,795,995.36 33,059.36	4.37% (935,406.35)	Aaa / AAA AAA	1.73 1.51

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CORPORATE									
24422EVN6	John Deere Capital Corp Note 0.45% Due 1/17/2024	2,140,000.00	03/01/2021 0.47%	2,138,480.60 2,138,480.60	94.83 4.60%	2,029,402.66 1,979.50	0.50% (109,077.94)	A2 / A A	1.30 1.26
808513BN4	Charles Schwab Corp Callable Note Cont 2/18/2024 0.75% Due 3/18/2024	1,775,000.00	03/16/2021 0.77%	1,774,112.50 1,774,112.50	94.59 4.60%	1,679,015.10 480.73	0.41% (95,097.40)	A2 / A A	1.47 1.43
06367TQW3	Bank of Montreal Note 0.625% Due 7/9/2024	1,500,000.00	02/09/2022 1.89%	1,455,540.00 1,455,540.00	92.61 5.03%	1,389,168.00 2,135.42	0.34% (66,372.00)	A2 / A- AA-	1.78 1.72
79466LAG9	Salesforce.com Inc Callable Note Cont 7/15/2022 0.625% Due 7/15/2024	3,100,000.00	Various 0.92%	3,076,192.60 3,076,192.60	93.24 4.60%	2,890,291.20 4,090.28	0.71% (185,901.40)	A2 / A+ NR	1.79 1.74
69371RQ25	Paccar Financial Corp Note 2.15% Due 8/15/2024	715,000.00	08/08/2019 2.20%	713,419.85 713,419.85	95.45 4.71%	682,467.50 1,964.26	0.17% (30,952.35)	A1 / A+ NR	1.88 1.80
78015K7C2	Royal Bank of Canada Note 2.25% Due 11/1/2024	3,600,000.00	12/05/2019 2.26%	3,598,128.00 3,598,128.00	94.66 4.97%	3,407,839.20 33,750.00	0.84% (190,288.80)	A1 / A AA-	2.09 1.98
14913Q3B3	Caterpillar Finl Service Note 2.15% Due 11/8/2024	2,593,000.00	Various 1.88%	2,624,484.21 2,624,484.21	95.13 4.60%	2,466,798.69 22,144.94	0.61% (157,685.52)	A2 / A A	2.11 2.00
74153WCQ0	Pricoa Global Funding Note 1.15% Due 12/6/2024	1,975,000.00	12/01/2021 1.19%	1,972,965.75 1,972,965.75	92.28 4.92%	1,822,451.00 7,255.38	0.45% (150,514.75)	Aa3 / AA- AA-	2.19 2.10
89236TJT3	Toyota Motor Credit Corp Note 1.45% Due 1/13/2025	2,700,000.00	01/10/2022 1.50%	2,696,382.00 2,696,382.00	92.73 4.85%	2,503,723.50 8,482.50	0.62% (192,658.50)	A1 / A+ A+	2.29 2.20
64952WEK5	New York Life Global Note 1.45% Due 1/14/2025	3,745,000.00	01/11/2022 1.49%	3,740,955.40 3,740,955.40	92.51 4.95%	3,464,443.33 11,614.70	0.85% (276,512.07)	Aaa / AA+ AAA	2.29 2.20
90331HPL1	US Bank NA Callable Note Cont 12/21/2024 2.05% Due 1/21/2025	4,145,000.00	01/16/2020 2.10%	4,136,171.15 4,136,171.15	94.06 4.80%	3,898,853.32 16,522.43	0.96% (237,317.83)	A1 / AA- AA-	2.31 2.20
69371RR73	Paccar Financial Corp Note 2.85% Due 4/7/2025	2,970,000.00	03/31/2022 2.86%	2,969,227.80 2,969,227.80	95.62 4.72%	2,839,795.20 40,911.75	0.71% (129,432.60)	A1 / A+ NR	2.52 2.36
78016EZ59	Royal Bank of Canada Note 3.375% Due 4/14/2025	1,270,000.00	04/07/2022 3.39%	1,269,530.10 1,269,530.10	96.11 5.02%	1,220,617.32 19,883.44	0.30% (48,912.78)	A1 / A AA-	2.54 2.35
06367WB85	Bank of Montreal Note 1.85% Due 5/1/2025	2,761,000.00	07/23/2021 0.85%	2,862,660.02 2,862,660.02	92.02 5.19%	2,540,536.91 21,282.71	0.63% (322,123.11)	A2 / A- AA-	2.59 2.45
14913R2V8	Caterpillar Financial Service Note 3.4% Due 5/13/2025	1,460,000.00	05/10/2022 3.44%	1,458,145.80 1,458,145.80	96.71 4.75%	1,412,034.62 19,028.67	0.35% (46,111.18)	A2 / A A	2.62 2.44

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CORPORATE									
46647PCH7	JP Morgan Chase & Co Callable Note Cont 6/1/2024 0.824% Due 6/1/2025	3,295,000.00	05/24/2021 1.46%	3,299,268.65 3,299,268.65	92.60 4.81%	3,051,146.94 9,050.27	0.75% (248,121.71)	A1 / A- AA-	2.67 2.56
63743HFE7	National Rural Utilities Note 3.45% Due 6/15/2025	940,000.00	04/27/2022 3.46%	939,746.20 939,746.20	96.49 4.85%	906,984.38 13,242.25	0.23% (32,761.82)	A2 / A- A	2.71 2.51
46647PCK0	JP Morgan Chase & Co Callable Note Cont 6/23/2024 0.969% Due 6/23/2025	1,565,000.00	Various 1.60%	1,565,968.20 1,565,968.20	92.52 4.86%	1,447,956.78 4,128.21	0.36% (118,011.42)	A1 / A- AA-	2.73 2.62
66815L2J7	Northwestern Mutual Gbl Note 4% Due 7/1/2025	2,350,000.00	06/27/2022 4.01%	2,349,201.00 2,349,201.00	97.42 5.01%	2,289,283.05 23,500.00	0.57% (59,917.95)	Aaa / AA+ AAA	2.75 2.54
40139LBC6	Guardian Life Glob Fun Note 0.875% Due 12/10/2025	3,000,000.00	Various 1.12%	2,969,700.00 2,969,700.00	87.37 5.22%	2,621,100.00 8,093.76	0.64% (348,600.00)	Aa1 / AA+ NR	3.20 3.06
66815L2A6	Northwestern Mutual Gbl Note 0.8% Due 1/14/2026	1,870,000.00	12/06/2021 1.47%	1,820,388.90 1,820,388.90	87.62 4.92%	1,638,568.80 3,199.78	0.40% (181,820.10)	Aaa / AA+ AAA	3.29 3.17
46647PBK1	JP Morgan Chase & Co Callable Note Cont 4/22/2025 2.083% Due 4/22/2026	1,000,000.00	05/20/2021 1.84%	1,037,330.00 1,037,330.00	91.12 5.61%	911,216.00 9,199.92	0.23% (126,114.00)	A1 / A- AA-	3.56 3.31
6174468Q5	Morgan Stanley Callable Note Cont 4/28/2025 2.188% Due 4/28/2026	1,600,000.00	05/18/2022 4.42%	1,511,376.00 1,511,376.00	91.74 5.51%	1,467,848.00 14,878.40	0.36% (43,528.00)	A1 / A- A	3.58 3.32
023135BX3	Amazon.com Inc Callable Note Cont 4/12/2026 1% Due 5/12/2026	4,865,000.00	05/10/2021 1.09%	4,843,983.20 4,843,983.20	87.88 4.68%	4,275,279.30 18,784.31	1.05% (568,703.90)	A1 / AA AA-	3.62 3.46
91324PEC2	United Health Group Inc Callable Note Cont 4/15/2026 1.15% Due 5/15/2026	805,000.00	Various 1.08%	807,605.05 807,605.05	88.53 4.62%	712,677.77 3,497.28	0.18% (94,927.28)	A3 / A+ A	3.62 3.46
89236TJK2	Toyota Motor Credit Corp Note 1.125% Due 6/18/2026	3,325,000.00	06/15/2021 1.13%	3,323,537.00 3,323,537.00	87.51 4.84%	2,909,654.30 10,702.34	0.72% (413,882.70)	A1 / A+ A+	3.72 3.55
06051GJD2	Bank of America Corp Callable Note Cont 6/19/2025 1.319% Due 6/19/2026	3,000,000.00	Various 1.82%	3,007,920.00 3,007,920.00	88.77 5.41%	2,663,190.00 11,211.50	0.66% (344,730.00)	A2 / A- AA-	3.72 3.52
57629WDE7	Mass Mutual Global funding Note 1.2% Due 7/16/2026	2,272,000.00	08/10/2021 1.21%	2,271,369.92 2,271,369.92	86.88 5.04%	1,974,011.30 5,680.00	0.49% (297,358.62)	Aa3 / AA+ AA+	3.79 3.61
58989V2D5	Met Tower Global Funding Note 1.25% Due 9/14/2026	1,715,000.00	09/07/2021 1.27%	1,713,422.20 1,713,422.20	86.05 5.20%	1,475,683.76 1,012.33	0.36% (237,738.44)	Aa3 / AA- AA-	3.96 3.76

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CORPORATE									
931142ER0	Wal-Mart Stores Callable Note Cont 08/17/2026 1.05% Due 9/17/2026	785,000.00	09/08/2021 1.09%	783,516.35 783,516.35	87.29 4.59%	685,234.35 320.54	0.17% (98,282.00)	Aa2 / AA AA	3.97 3.80
59217GER6	Metlife Note 1.875% Due 1/11/2027	2,485,000.00	01/03/2022 1.90%	2,482,167.10 2,482,167.10	87.50 5.17%	2,174,325.30 10,354.17	0.54% (307,841.80)	Aa3 / AA- AA-	4.28 4.00
808513BY0	Charles Schwab Corp Callable Note Cont 2/3/2027 2.45% Due 3/3/2027	1,300,000.00	03/09/2022 2.73%	1,282,866.00 1,282,866.00	89.78 5.06%	1,167,142.60 2,477.22	0.29% (115,723.40)	A2 / A A	4.42 4.09
89114TZT2	Toronto-Dominion Bank Note 2.8% Due 3/10/2027	1,900,000.00	03/09/2022 2.97%	1,884,933.00 1,884,933.00	90.18 5.31%	1,713,359.20 3,103.33	0.42% (171,573.80)	A1 / A NR	4.44 4.08
06051GHT9	Bank of America Corp Callable Note 1X 4/23/2026 3.559% Due 4/23/2027	3,000,000.00	Various 4.55%	2,906,255.64 2,906,255.64	92.35 5.74%	2,770,509.00 46,860.17	0.69% (135,746.64)	A2 / A- AA-	4.56 4.05
665859AW4	Northern Trust Company Callable Note Cont 4/10/2027 4% Due 5/10/2027	1,345,000.00	05/05/2022 4.04%	1,342,821.10 1,342,821.10	96.47 4.86%	1,297,534.95 21,071.67	0.32% (45,286.15)	A2 / A+ A+	4.61 4.08
91324PEG3	United Health Group Inc Callable Note Cont 4/15/2027 3.7% Due 5/15/2027	1,365,000.00	05/17/2022 3.69%	1,365,638.40 1,365,638.40	95.18 4.88%	1,299,183.80 18,378.21	0.32% (66,454.60)	A3 / A+ A	4.62 4.12
22160KAM7	Costco Wholesale Corp Callable Note Cont 2/18/2027 3% Due 5/18/2027	2,500,000.00	07/15/2022 3.53%	2,441,975.00 2,441,975.00	93.56 4.56%	2,338,940.00 27,708.33	0.58% (103,035.00)	Aa3 / A+ NR	4.63 4.20
89115A2C5	Toronto-Dominion Bank Note 4.108% Due 6/8/2027	1,400,000.00	08/26/2022 4.18%	1,395,310.00 1,395,310.00	94.33 5.49%	1,320,604.60 18,052.38	0.33% (74,705.40)	A1 / A NR	4.69 4.13
Total Corporate		84,131,000.00	2.04%	83,832,694.69	4.95%	77,358,871.73	19.09%	A1 / A+	3.04
						496,033.08	(6,473,822.96)	AA-	2.85
LAIF									
90LAIF\$00	Local Agency Investment Fund State Pool	114,295,864.70	Various 1.60%	114,295,864.70 114,295,864.70	1.00 1.60%	114,295,864.70 317,079.03	28.10% 0.00	NR / NR NR	0.00 0.00
Total LAIF		114,295,864.70	1.60%	114,295,864.70	1.60%	114,295,864.70	28.10%	NR / NR	0.00
						317,079.03	0.00	NR	0.00

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MONEY MARKET FUND									
60934N807	Federated Investors Govt Oblig Fund Inst.	709,931.95	Various 2.58%	709,931.95 709,931.95	1.00 2.58%	709,931.95 0.00	0.17% 0.00	Aaa / AAA AAA	0.00 0.00
Total Money Market Fund		709,931.95	2.58%	709,931.95	2.58%	709,931.95 0.00	0.17% 0.00	Aaa / AAA AAA	0.00 0.00
MUNICIPAL BONDS									
13063DRK6	California State Taxable GO 2.4% Due 10/1/2024	3,385,000.00	10/16/2019 1.91%	3,462,753.45 3,462,753.45	96.10 4.46%	3,253,086.55 40,620.00	0.81% (209,666.90)	Aa2 / AA- AA	2.01 1.90
Total Municipal Bonds		3,385,000.00	1.91%	3,462,753.45	4.46%	3,253,086.55 40,620.00	0.81% (209,666.90)	Aa2 / AA- AA	2.01 1.90
NEGOTIABLE CD									
78012U3M5	Royal Bank of Canada Yankee CD 1.35% Due 2/14/2023	500,000.00	02/11/2022 1.35%	500,000.00 500,000.00	99.01 3.96%	495,044.00 4,293.75	0.12% (4,956.00)	P-1 / A-1+ F-1+	0.38 0.37
Total Negotiable CD		500,000.00	1.35%	500,000.00	3.96%	495,044.00 4,293.75	0.12% (4,956.00)	Aaa / AAA AAA	0.38 0.37
SUPRANATIONAL									
459058JL8	Intl. Bank Recon & Development Note 0.5% Due 10/28/2025	6,300,000.00	Various 0.59%	6,272,360.85 6,272,360.85	88.98 4.37%	5,605,431.31 13,387.51	1.38% (666,929.54)	Aaa / AAA AAA	3.08 2.98
4581X0DV7	Inter-American Dev Bank Note 0.875% Due 4/20/2026	6,390,000.00	04/13/2021 0.97%	6,360,733.80 6,360,733.80	88.72 4.33%	5,669,144.10 25,005.31	1.40% (691,589.70)	Aaa / AAA AAA	3.56 3.42
Total Supranational		12,690,000.00	0.78%	12,633,094.65	4.35%	11,274,575.41 38,392.82	2.77% (1,358,519.24)	Aaa / AAA AAA	3.32 3.20
US TREASURY									
912828V23	US Treasury Note 2.25% Due 12/31/2023	4,500,000.00	06/21/2019 1.80%	4,588,417.97 4,588,417.97	97.56 4.27%	4,390,137.00 25,587.64	1.08% (198,280.97)	Aaa / AA+ AAA	1.25 1.21

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Holdings Report

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CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
US TREASURY									
912828B66	US Treasury Note 2.75% Due 2/15/2024	5,000,000.00	Various 2.21%	5,121,796.88 5,121,796.88	97.88 4.35%	4,894,140.00 17,561.14	1.20% (227,656.88)	Aaa / AA+ AAA	1.38 1.33
91282CBR1	US Treasury Note 0.25% Due 3/15/2024	2,900,000.00	03/30/2021 0.33%	2,892,976.56 2,892,976.56	94.32 4.31%	2,735,288.70 320.44	0.67% (157,687.86)	Aaa / AA+ AAA	1.46 1.43
912828X70	US Treasury Note 2% Due 4/30/2024	4,800,000.00	Various 1.84%	4,833,281.25 4,833,281.25	96.48 4.32%	4,631,064.00 40,173.92	1.15% (202,217.25)	Aaa / AA+ AAA	1.58 1.52
912828XX3	US Treasury Note 2% Due 6/30/2024	4,900,000.00	Various 1.81%	4,942,253.91 4,942,253.91	96.18 4.29%	4,712,805.30 24,766.30	1.16% (229,448.61)	Aaa / AA+ AAA	1.75 1.68
912828D56	US Treasury Note 2.375% Due 8/15/2024	5,000,000.00	12/12/2019 1.75%	5,140,234.38 5,140,234.38	96.60 4.28%	4,829,885.00 15,166.44	1.19% (310,349.38)	Aaa / AA+ AAA	1.88 1.80
9128283D0	US Treasury Note 2.25% Due 10/31/2024	4,000,000.00	11/07/2019 1.77%	4,090,468.75 4,090,468.75	96.06 4.24%	3,842,500.00 37,663.04	0.95% (247,968.75)	Aaa / AA+ AAA	2.09 1.99
912828ZC7	US Treasury Note 1.125% Due 2/28/2025	7,000,000.00	03/18/2020 0.81%	7,108,007.81 7,108,007.81	92.89 4.25%	6,502,615.00 6,743.78	1.60% (605,392.81)	Aaa / AA+ AAA	2.42 2.34
91282CED9	US Treasury Note 1.75% Due 3/15/2025	7,000,000.00	04/05/2022 2.65%	6,823,085.94 6,823,085.94	94.18 4.27%	6,592,579.00 5,414.36	1.62% (230,506.94)	Aaa / AA+ AAA	2.46 2.36
91282CAB7	US Treasury Note 0.25% Due 7/31/2025	6,000,000.00	03/12/2021 0.72%	5,879,062.50 5,879,062.50	89.41 4.26%	5,364,612.00 2,527.17	1.32% (514,450.50)	Aaa / AA+ AAA	2.84 2.77
91282CAM3	US Treasury Note 0.25% Due 9/30/2025	3,200,000.00	03/29/2021 0.74%	3,130,375.00 3,130,375.00	88.89 4.23%	2,844,374.40 21.98	0.70% (286,000.60)	Aaa / AA+ AAA	3.00 2.93
91282CAT8	US Treasury Note 0.25% Due 10/31/2025	6,000,000.00	02/19/2021 0.53%	5,923,125.00 5,923,125.00	88.57 4.24%	5,314,452.00 6,277.17	1.30% (608,673.00)	Aaa / AA+ AAA	3.09 3.01
91282CAZ4	US Treasury Note 0.375% Due 11/30/2025	3,800,000.00	03/26/2021 0.77%	3,731,867.19 3,731,867.19	88.68 4.23%	3,369,680.40 4,788.93	0.83% (362,186.79)	Aaa / AA+ AAA	3.17 3.08
91282CCW9	US Treasury Note 0.75% Due 8/31/2026	1,570,000.00	09/23/2021 0.90%	1,558,899.61 1,558,899.61	87.73 4.18%	1,377,430.08 1,008.36	0.34% (181,469.53)	Aaa / AA+ AAA	3.92 3.78
91282CCZ2	US Treasury Note 0.875% Due 9/30/2026	3,130,000.00	10/18/2021 1.19%	3,083,172.27 3,083,172.27	88.01 4.16%	2,754,766.21 75.24	0.68% (328,406.06)	Aaa / AA+ AAA	4.00 3.85
91282CDG3	US Treasury Note 1.125% Due 10/31/2026	3,120,000.00	11/15/2021 1.25%	3,100,987.50 3,100,987.50	88.71 4.16%	2,767,658.40 14,688.59	0.68% (333,329.10)	Aaa / AA+ AAA	4.09 3.90
91282CET4	US Treasury Note 2.625% Due 5/31/2027	2,400,000.00	06/09/2022 3.07%	2,351,156.25 2,351,156.25	93.93 4.07%	2,254,219.20 21,172.13	0.56% (96,937.05)	Aaa / AA+ AAA	4.67 4.29

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Holdings Report

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CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
US TREASURY									
91282CEW7	US Treasury Note 3.25% Due 6/30/2027	6,650,000.00	Various 3.12%	6,690,380.86 6,690,380.86	96.43 4.08%	6,412,834.40 54,618.55	1.59% (277,546.46)	Aaa / AA+ AAA	4.75 4.31
91282CFB2	US Treasury Note 2.75% Due 7/31/2027	1,300,000.00	08/22/2022 3.12%	1,277,960.94 1,277,960.94	94.21 4.08%	1,224,741.70 6,023.10	0.30% (53,219.24)	Aaa / AA+ AAA	4.84 4.44
91282CFH9	US Treasury Note 3.125% Due 8/31/2027	3,450,000.00	Various 3.45%	3,399,517.58 3,399,517.58	95.97 4.04%	3,310,923.60 9,232.57	0.81% (88,593.98)	Aaa / AA+ AAA	4.92 4.49
Total US Treasury		85,720,000.00	1.68%	85,667,028.15	4.23%	80,126,706.39 293,830.85	19.72% (5,540,321.76)	Aaa / AA+ AAA	2.78 2.64
TOTAL PORTFOLIO		427,230,023.23	1.60%	427,876,448.14	3.68%	406,430,667.79 1,411,760.69	100.00% (21,445,780.35)	Aa1 / AA AAA	1.96 1.71
TOTAL MARKET VALUE PLUS ACCRUED						407,842,428.48			

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Transaction Ledger

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Transaction Type	Settlement Date	CUSIP	Quantity	Security Description	Price	Acq/Disp Yield	Amount	Interest Pur/Sold	Total Amount	Gain/Loss
ACQUISITIONS										
Purchase	09/02/2022	60934N807	1,516.70	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	1,516.70	0.00	1,516.70	0.00
Purchase	09/03/2022	60934N807	15,925.00	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	15,925.00	0.00	15,925.00	0.00
Purchase	09/08/2022	60934N807	63,750.00	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	63,750.00	0.00	63,750.00	0.00
Purchase	09/09/2022	91282CFH9	2,350,000.00	US Treasury Note 3.125% Due 8/31/2027	99.059	3.33%	2,327,876.95	1,825.79	2,329,702.74	0.00
Purchase	09/10/2022	60934N807	26,600.00	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	26,600.00	0.00	26,600.00	0.00
Purchase	09/13/2022	60934N807	57,500.00	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	57,500.00	0.00	57,500.00	0.00
Purchase	09/14/2022	60934N807	10,718.75	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	10,718.75	0.00	10,718.75	0.00
Purchase	09/15/2022	60934N807	64,875.00	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	64,875.00	0.00	64,875.00	0.00
Purchase	09/15/2022	60934N807	2,585.00	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	2,585.00	0.00	2,585.00	0.00
Purchase	09/15/2022	60934N807	7,811.13	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	7,811.13	0.00	7,811.13	0.00
Purchase	09/15/2022	60934N807	565.04	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	565.04	0.00	565.04	0.00
Purchase	09/15/2022	60934N807	559.00	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	559.00	0.00	559.00	0.00
Purchase	09/15/2022	60934N807	1,952.67	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	1,952.67	0.00	1,952.67	0.00
Purchase	09/15/2022	60934N807	450.17	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	450.17	0.00	450.17	0.00
Purchase	09/15/2022	60934N807	424.33	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	424.33	0.00	424.33	0.00
Purchase	09/15/2022	60934N807	2,497.50	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	2,497.50	0.00	2,497.50	0.00

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Transaction Type	Settlement Date	CUSIP	Quantity	Security Description	Price	Acq/Disp Yield	Amount	Interest Pur/Sold	Total Amount	Gain/Loss
ACQUISITIONS										
Purchase	09/15/2022	60934N807	1,164.83	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	1,164.83	0.00	1,164.83	0.00
Purchase	09/15/2022	60934N807	522.50	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	522.50	0.00	522.50	0.00
Purchase	09/15/2022	60934N807	46,980.17	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	46,980.17	0.00	46,980.17	0.00
Purchase	09/15/2022	60934N807	88,572.97	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	88,572.97	0.00	88,572.97	0.00
Purchase	09/15/2022	60934N807	100,371.92	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	100,371.92	0.00	100,371.92	0.00
Purchase	09/15/2022	60934N807	20,056.97	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	20,056.97	0.00	20,056.97	0.00
Purchase	09/15/2022	60934N807	30,324.60	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	30,324.60	0.00	30,324.60	0.00
Purchase	09/15/2022	60934N807	86,590.59	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	86,590.59	0.00	86,590.59	0.00
Purchase	09/15/2022	60934N807	99,015.89	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	99,015.89	0.00	99,015.89	0.00
Purchase	09/15/2022	60934N807	88,227.86	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	88,227.86	0.00	88,227.86	0.00
Purchase	09/15/2022	60934N807	80,516.84	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	80,516.84	0.00	80,516.84	0.00
Purchase	09/15/2022	60934N807	169,560.44	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	169,560.44	0.00	169,560.44	0.00
Purchase	09/16/2022	60934N807	693.00	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	693.00	0.00	693.00	0.00
Purchase	09/16/2022	60934N807	442.00	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	442.00	0.00	442.00	0.00
Purchase	09/17/2022	60934N807	4,121.25	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	4,121.25	0.00	4,121.25	0.00
Purchase	09/18/2022	60934N807	6,656.25	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	6,656.25	0.00	6,656.25	0.00

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Transaction Type	Settlement Date	CUSIP	Quantity	Security Description	Price	Acq/Disp Yield	Amount	Interest Pur/Sold	Total Amount	Gain/Loss
ACQUISITIONS										
Purchase	09/19/2022	60934N807	93,812.53	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	93,812.53	0.00	93,812.53	0.00
Purchase	09/20/2022	60934N807	697.13	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	697.13	0.00	697.13	0.00
Purchase	09/20/2022	60934N807	4,634.50	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	4,634.50	0.00	4,634.50	0.00
Purchase	09/20/2022	60934N807	4,189.50	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	4,189.50	0.00	4,189.50	0.00
Purchase	09/20/2022	60934N807	3,332.92	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	3,332.92	0.00	3,332.92	0.00
Purchase	09/20/2022	60934N807	272,226.31	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	272,226.31	0.00	272,226.31	0.00
Purchase	09/20/2022	60934N807	73,613.78	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	73,613.78	0.00	73,613.78	0.00
Purchase	09/20/2022	91282CFH9	1,100,000.00	US Treasury Note 3.125% Due 8/31/2027	97.422	3.70%	1,071,640.63	1,899.17	1,073,539.80	0.00
Purchase	09/21/2022	60934N807	751.67	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	751.67	0.00	751.67	0.00
Purchase	09/21/2022	60934N807	49,656.74	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	49,656.74	0.00	49,656.74	0.00
Purchase	09/23/2022	60934N807	11,803.13	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	11,803.13	0.00	11,803.13	0.00
Purchase	09/26/2022	60934N807	7,800.00	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	7,800.00	0.00	7,800.00	0.00
Purchase	09/26/2022	60934N807	3,316.25	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	3,316.25	0.00	3,316.25	0.00
Purchase	09/26/2022	60934N807	11,021.88	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	11,021.88	0.00	11,021.88	0.00
Purchase	09/26/2022	60934N807	11,328.63	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	11,328.63	0.00	11,328.63	0.00
Purchase	09/26/2022	60934N807	916.67	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	916.67	0.00	916.67	0.00

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Transaction Type	Settlement Date	CUSIP	Quantity	Security Description	Price	Acq/Disp Yield	Amount	Interest Pur/Sold	Total Amount	Gain/Loss
ACQUISITIONS										
Purchase	09/26/2022	60934N807	2,848.88	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	2,848.88	0.00	2,848.88	0.00
Purchase	09/26/2022	60934N807	261.25	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	261.25	0.00	261.25	0.00
Purchase	09/26/2022	60934N807	8,542.50	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	8,542.50	0.00	8,542.50	0.00
Purchase	09/26/2022	60934N807	115,379.44	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	115,379.44	0.00	115,379.44	0.00
Purchase	09/30/2022	60934N807	17,693.75	Federated Investors Govt Oblig Fund Inst.	1.000	2.58%	17,693.75	0.00	17,693.75	0.00
Subtotal			5,225,375.83				5,174,893.41	3,724.96	5,178,618.37	0.00
Security Contribution	09/06/2022	90LAIF\$00	1,100,000.00	Local Agency Investment Fund State Pool	1.000		1,100,000.00	0.00	1,100,000.00	0.00
Security Contribution	09/07/2022	90LAIF\$00	600,000.00	Local Agency Investment Fund State Pool	1.000		600,000.00	0.00	600,000.00	0.00
Security Contribution	09/12/2022	90LAIF\$00	700,000.00	Local Agency Investment Fund State Pool	1.000		700,000.00	0.00	700,000.00	0.00
Security Contribution	09/12/2022	90LAIF\$00	1,000,000.00	Local Agency Investment Fund State Pool	1.000		1,000,000.00	0.00	1,000,000.00	0.00
Security Contribution	09/13/2022	90LAIF\$00	500,000.00	Local Agency Investment Fund State Pool	1.000		500,000.00	0.00	500,000.00	0.00
Security Contribution	09/20/2022	90LAIF\$00	300,000.00	Local Agency Investment Fund State Pool	1.000		300,000.00	0.00	300,000.00	0.00
Security Contribution	09/21/2022	90LAIF\$00	8,400,000.00	Local Agency Investment Fund State Pool	1.000		8,400,000.00	0.00	8,400,000.00	0.00
Security Contribution	09/21/2022	90LAIF\$00	8,500,000.00	Local Agency Investment Fund State Pool	1.000		8,500,000.00	0.00	8,500,000.00	0.00
Security Contribution	09/26/2022	90LAIF\$00	900,000.00	Local Agency Investment Fund State Pool	1.000		900,000.00	0.00	900,000.00	0.00
Security Contribution	09/27/2022	90LAIF\$00	4,500,000.00	Local Agency Investment Fund State Pool	1.000		4,500,000.00	0.00	4,500,000.00	0.00

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Transaction Type	Settlement Date	CUSIP	Quantity	Security Description	Price	Acq/Disp Yield	Amount	Interest Pur/Sold	Total Amount	Gain/Loss
ACQUISITIONS										
Security Contribution	09/27/2022	90LAIF\$00	3,000,000.00	Local Agency Investment Fund State Pool	1.000		3,000,000.00	0.00	3,000,000.00	0.00
Subtotal			29,500,000.00				29,500,000.00	0.00	29,500,000.00	0.00
TOTAL ACQUISITIONS			34,725,375.83				34,674,893.41	3,724.96	34,678,618.37	0.00
DISPOSITIONS										
Sale	09/09/2022	3130A0XE5	1,000,000.00	FHLB Note 3.25% Due 3/8/2024	99.477	3.61%	994,770.00	90.28	994,860.28	-50,640.00
Sale	09/09/2022	60934N807	300,460.50	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	300,460.50	0.00	300,460.50	0.00
Sale	09/09/2022	912828T91	1,050,000.00	US Treasury Note 1.625% Due 10/31/2023	97.930	3.49%	1,028,261.72	6,120.24	1,034,381.96	-2,830.08
Sale	09/20/2022	60934N807	1,073,539.80	Federated Investors Govt Oblig Fund Inst.	1.000	1.88%	1,073,539.80	0.00	1,073,539.80	0.00
Subtotal			3,424,000.30				3,397,032.02	6,210.52	3,403,242.54	-53,470.08
Paydown	09/15/2022	02582JIT8	0.00	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	100.000		0.00	7,811.13	7,811.13	0.00
Paydown	09/15/2022	43813DAC2	46,651.75	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	100.000		46,651.75	328.42	46,980.17	3.67
Paydown	09/15/2022	43815BAC4	0.00	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	100.000		0.00	2,585.00	2,585.00	0.00
Paydown	09/15/2022	43815NAC8	88,237.54	Honda Auto Receivables Trust 2019-3 A3 1.78% Due 8/15/2023	100.000		88,237.54	335.43	88,572.97	0.73
Paydown	09/15/2022	44891RAC4	99,925.95	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	100.000		99,925.95	445.97	100,371.92	23.01

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DISPOSITIONS										
Paydown	09/15/2022	44891VAC5	0.00	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	100.000		0.00	522.50	522.50	0.00
Paydown	09/15/2022	44891WAC3	0.00	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	100.000		0.00	1,164.83	1,164.83	0.00
Paydown	09/15/2022	448977AD0	0.00	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	100.000		0.00	2,497.50	2,497.50	0.00
Paydown	09/15/2022	44933LAC7	0.00	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	100.000		0.00	424.33	424.33	0.00
Paydown	09/15/2022	44935FAD6	0.00	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	100.000		0.00	450.17	450.17	0.00
Paydown	09/15/2022	477870AC3	19,915.08	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	100.000		19,915.08	141.89	20,056.97	4.23
Paydown	09/15/2022	47787JAC2	0.00	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	100.000		0.00	1,952.67	1,952.67	0.00
Paydown	09/15/2022	47787NAC3	30,155.46	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	100.000		30,155.46	169.14	30,324.60	4.60
Paydown	09/15/2022	47789KAC7	85,830.10	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	100.000		85,830.10	760.49	86,590.59	-184.98
Paydown	09/15/2022	47789QAC4	0.00	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	100.000		0.00	559.00	559.00	0.00
Paydown	09/15/2022	58769EAC2	98,818.49	Mercedes-Benz Auto Lease Trust 2020- B A3 0.4% Due 11/15/2023	100.000		98,818.49	197.40	99,015.89	5.01
Paydown	09/15/2022	65479JAD5	87,313.59	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	100.000		87,313.59	914.27	88,227.86	4.61
Paydown	09/15/2022	89236XAC0	80,255.09	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	100.000		80,255.09	261.75	80,516.84	14.95
Paydown	09/15/2022	89238JAC9	0.00	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	100.000		0.00	565.04	565.04	0.00

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DISPOSITIONS										
Paydown	09/15/2022	89240BAC2	169,006.53	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 5/15/2025	100.000		169,006.53	553.91	169,560.44	31.37
Paydown	09/16/2022	362554AC1	0.00	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	100.000		0.00	442.00	442.00	0.00
Paydown	09/16/2022	380146AC4	0.00	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	100.000		0.00	693.00	693.00	0.00
Paydown	09/19/2022	43813KAC6	93,453.30	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	100.000		93,453.30	359.23	93,812.53	13.73
Paydown	09/20/2022	36262XAC8	0.00	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	100.000		0.00	697.13	697.13	0.00
Paydown	09/20/2022	36265MAC9	0.00	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	100.000		0.00	3,332.92	3,332.92	0.00
Paydown	09/20/2022	89238LAC4	0.00	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	100.000		0.00	4,189.50	4,189.50	0.00
Paydown	09/20/2022	92290BAA9	271,341.14	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	100.000		271,341.14	885.17	272,226.31	56.98
Paydown	09/20/2022	92348AAA3	73,115.32	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	100.000		73,115.32	498.46	73,613.78	5.64
Paydown	09/20/2022	92348KAV5	0.00	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	100.000		0.00	4,634.50	4,634.50	0.00
Paydown	09/21/2022	43813GAC5	49,494.59	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	100.000		49,494.59	162.15	49,656.74	0.91
Paydown	09/21/2022	43815GAC3	0.00	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	100.000		0.00	751.67	751.67	0.00
Paydown	09/26/2022	05601XAC3	0.00	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	100.000		0.00	916.67	916.67	0.00

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DISPOSITIONS										
Paydown	09/26/2022	05602RAD3	0.00	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	100.000		0.00	2,848.88	2,848.88	0.00
Paydown	09/26/2022	09690AAC7	0.00	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	100.000		0.00	261.25	261.25	0.00
Paydown	09/26/2022	3137B4WB8	0.00	FHLMC K033 A2Due 7/25/2023	100.000		0.00	8,542.50	8,542.50	0.00
Paydown	09/26/2022	3137B5JM6	0.00	FHLMC K034 A2 3.531% Due 7/25/2023	100.000		0.00	11,328.63	11,328.63	0.00
Paydown	09/26/2022	3137B7MZ9	0.00	FHLMC K036 A2Due 10/25/2023	100.000		0.00	11,021.88	11,021.88	0.00
Paydown	09/26/2022	3137BSP72	0.00	FHLMC K058 A2 2.653% Due 8/25/2026	100.000		0.00	3,316.25	3,316.25	0.00
Paydown	09/26/2022	3137BSRE5	0.00	FHLMC K059 A2 3.12% Due 9/25/2026	100.000		0.00	7,800.00	7,800.00	0.00
Paydown	09/26/2022	3137BYPQ7	107,841.20	FHLMC K726 A2 2.905% Due 4/25/2024	100.000		107,841.20	7,538.24	115,379.44	-770.90
Subtotal			1,401,355.13				1,401,355.13	92,860.87	1,494,216.00	-786.44
Security Withdrawal	09/01/2022	90LAIF\$00	1,200,000.00	Local Agency Investment Fund State Pool	1.000		1,200,000.00	0.00	1,200,000.00	0.00
Security Withdrawal	09/01/2022	90LAIF\$00	1,200,000.00	Local Agency Investment Fund State Pool	1.000		1,200,000.00	0.00	1,200,000.00	0.00
Security Withdrawal	09/08/2022	90LAIF\$00	800,000.00	Local Agency Investment Fund State Pool	1.000		800,000.00	0.00	800,000.00	0.00
Security Withdrawal	09/14/2022	90LAIF\$00	700,000.00	Local Agency Investment Fund State Pool	1.000		700,000.00	0.00	700,000.00	0.00
Security Withdrawal	09/15/2022	90LAIF\$00	2,000,000.00	Local Agency Investment Fund State Pool	1.000		2,000,000.00	0.00	2,000,000.00	0.00
Security Withdrawal	09/15/2022	90LAIF\$00	1,900,000.00	Local Agency Investment Fund State Pool	1.000		1,900,000.00	0.00	1,900,000.00	0.00
Security Withdrawal	09/19/2022	90LAIF\$00	200,000.00	Local Agency Investment Fund State Pool	1.000		200,000.00	0.00	200,000.00	0.00
Security Withdrawal	09/22/2022	90LAIF\$00	2,600,000.00	Local Agency Investment Fund State Pool	1.000		2,600,000.00	0.00	2,600,000.00	0.00

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DISPOSITIONS										
Security Withdrawal	09/28/2022	90LAIF\$00	300,000.00	Local Agency Investment Fund State Pool	1.000		300,000.00	0.00	300,000.00	0.00
Security Withdrawal	09/29/2022	90LAIF\$00	3,100,000.00	Local Agency Investment Fund State Pool	1.000		3,100,000.00	0.00	3,100,000.00	0.00
Security Withdrawal	09/29/2022	90LAIF\$00	2,900,000.00	Local Agency Investment Fund State Pool	1.000		2,900,000.00	0.00	2,900,000.00	0.00
Subtotal			16,900,000.00				16,900,000.00	0.00	16,900,000.00	0.00
TOTAL DISPOSITIONS			21,725,355.43				21,698,387.15	99,071.39	21,797,458.54	-54,256.52
OTHER TRANSACTIONS										
Interest	09/03/2022	808513BY0	1,300,000.00	Charles Schwab Corp Callable Note Cont 2/3/2027 2.45% Due 3/3/2027	0.000		15,925.00	0.00	15,925.00	0.00
Interest	09/08/2022	3130A0XE5	1,000,000.00	FHLB Note 3.25% Due 3/8/2024	0.000		16,250.00	0.00	16,250.00	0.00
Interest	09/08/2022	3130AB3H7	4,000,000.00	FHLB Note 2.375% Due 3/8/2024	0.000		47,500.00	0.00	47,500.00	0.00
Interest	09/10/2022	89114TZT2	1,900,000.00	Toronto-Dominion Bank Note 2.8% Due 3/10/2027	0.000		26,600.00	0.00	26,600.00	0.00
Interest	09/13/2022	3130A2UW4	4,000,000.00	FHLB Note 2.875% Due 9/13/2024	0.000		57,500.00	0.00	57,500.00	0.00
Interest	09/14/2022	58989V2D5	1,715,000.00	Met Tower Global Funding Note 1.25% Due 9/14/2026	0.000		10,718.75	0.00	10,718.75	0.00
Interest	09/15/2022	91282CBR1	2,900,000.00	US Treasury Note 0.25% Due 3/15/2024	0.000		3,625.00	0.00	3,625.00	0.00
Interest	09/15/2022	91282CED9	7,000,000.00	US Treasury Note 1.75% Due 3/15/2025	0.000		61,250.00	0.00	61,250.00	0.00
Interest	09/17/2022	931142ER0	785,000.00	Wal-Mart Stores Callable Note Cont 08/17/2026 1.05% Due 9/17/2026	0.000		4,121.25	0.00	4,121.25	0.00

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OTHER TRANSACTIONS										
Interest	09/18/2022	808513BN4	1,775,000.00	Charles Schwab Corp Callable Note Cont 2/18/2024 0.75% Due 3/18/2024	0.000		6,656.25	0.00	6,656.25	0.00
Interest	09/23/2022	3137EAEX3	6,295,000.00	FHLMC Note 0.375% Due 9/23/2025	0.000		11,803.13	0.00	11,803.13	0.00
Interest	09/30/2022	91282CAM3	3,200,000.00	US Treasury Note 0.25% Due 9/30/2025	0.000		4,000.00	0.00	4,000.00	0.00
Interest	09/30/2022	91282CCZ2	3,130,000.00	US Treasury Note 0.875% Due 9/30/2026	0.000		13,693.75	0.00	13,693.75	0.00
Subtotal			39,000,000.00				279,643.13	0.00	279,643.13	0.00
Dividend	09/02/2022	60934N807	308,556.42	Federated Investors Govt Oblig Fund Inst.	0.000		1,516.70	0.00	1,516.70	0.00
Subtotal			308,556.42				1,516.70	0.00	1,516.70	0.00
TOTAL OTHER TRANSACTIONS			39,308,556.42				281,159.83	0.00	281,159.83	0.00

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FIXED INCOME						
023135BX3	Amazon.com Inc Callable Note Cont 4/12/2026 1% Due 05/12/2026	05/10/2021 05/12/2021 4,865,000.00	4,843,983.20 0.00 0.00 4,843,983.20	14,730.14 0.00 18,784.31 4,054.17	0.00 0.00 0.00 4,054.17	4,054.17
02582JIT8	American Express Credit Trust 2022-2 A 3.39% Due 05/17/2027	05/17/2022 05/24/2022 2,765,000.00	2,764,388.38 0.00 0.00 2,764,388.38	4,165.93 7,811.13 4,165.93 7,811.13	0.00 0.00 0.00 7,811.13	7,811.13
05601XAC3	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 03/25/2025	01/11/2022 01/19/2022 1,000,000.00	999,850.50 0.00 0.00 999,850.50	183.33 916.67 183.33 916.67	0.00 0.00 0.00 916.67	916.67
05602RAD3	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 08/25/2026	05/10/2022 05/18/2022 1,065,000.00	1,064,944.62 0.00 0.00 1,064,944.62	569.78 2,848.88 569.78 2,848.88	0.00 0.00 0.00 2,848.88	2,848.88
06051GHT9	Bank of America Corp Callable Note 1X 4/23/2026 3.559% Due 04/23/2027	Various Various 3,000,000.00	2,906,255.64 0.00 0.00 2,906,255.64	37,962.67 0.00 46,860.17 8,897.50	0.00 0.00 0.00 8,897.50	8,897.50
06051GJD2	Bank of America Corp Callable Note Cont 6/19/2025 1.319% Due 06/19/2026	Various Various 3,000,000.00	3,007,920.00 0.00 0.00 3,007,920.00	7,914.00 0.00 11,211.50 3,297.50	0.00 0.00 0.00 3,297.50	3,297.50
06367TQW3	Bank of Montreal Note 0.625% Due 07/09/2024	02/09/2022 02/11/2022 1,500,000.00	1,455,540.00 0.00 0.00 1,455,540.00	1,354.17 0.00 2,135.42 781.25	0.00 0.00 0.00 781.25	781.25
06367WB85	Bank of Montreal Note 1.85% Due 05/01/2025	07/23/2021 07/27/2021 2,761,000.00	2,862,660.02 0.00 0.00 2,862,660.02	17,026.17 0.00 21,282.71 4,256.54	0.00 0.00 0.00 4,256.54	4,256.54
09690AAC7	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	09/08/2021 09/15/2021 950,000.00	949,901.96 0.00 0.00 949,901.96	52.25 261.25 52.25 261.25	0.00 0.00 0.00 261.25	261.25

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13063DRK6	California State Taxable GO 2.4% Due 10/01/2024	10/16/2019 10/24/2019 3,385,000.00	3,462,753.45 0.00 0.00 3,462,753.45	33,850.00 0.00 40,620.00 6,770.00	0.00 0.00 0.00 6,770.00	6,770.00
14913Q3B3	Caterpillar Finl Service Note 2.15% Due 11/08/2024	Various Various 2,593,000.00	2,624,484.21 0.00 0.00 2,624,484.21	17,499.15 0.00 22,144.94 4,645.79	0.00 0.00 0.00 4,645.79	4,645.79
14913R2V8	Caterpillar Financial Service Note 3.4% Due 05/13/2025	05/10/2022 05/13/2022 1,460,000.00	1,458,145.80 0.00 0.00 1,458,145.80	14,892.00 0.00 19,028.67 4,136.67	0.00 0.00 0.00 4,136.67	4,136.67
22160KAM7	Costco Wholesale Corp Callable Note Cont 2/18/2027 3% Due 05/18/2027	07/15/2022 07/19/2022 2,500,000.00	2,441,975.00 0.00 0.00 2,441,975.00	21,458.33 0.00 27,708.33 6,250.00	0.00 0.00 0.00 6,250.00	6,250.00
24422EVN6	John Deere Capital Corp Note 0.45% Due 01/17/2024	03/01/2021 03/04/2021 2,140,000.00	2,138,480.60 0.00 0.00 2,138,480.60	1,177.00 0.00 1,979.50 802.50	0.00 0.00 0.00 802.50	802.50
3130A0XE5	FHLB Note Due 03/08/2024	03/28/2019 03/29/2019 0.00	1,045,410.00 0.00 1,045,410.00 0.00	15,618.06 16,340.28 0.00 722.22	0.00 0.00 0.00 722.22	722.22
3130A1XJ2	FHLB Note 2.875% Due 06/14/2024	Various Various 5,500,000.00	5,740,000.40 0.00 0.00 5,740,000.40	33,821.18 0.00 46,998.26 13,177.08	0.00 0.00 0.00 13,177.08	13,177.08
3130A2UW4	FHLB Note 2.875% Due 09/13/2024	09/13/2019 09/16/2019 4,000,000.00	4,206,760.00 0.00 0.00 4,206,760.00	53,666.67 57,500.00 5,750.00 9,583.33	0.00 0.00 0.00 9,583.33	9,583.33
3130AB3H7	FHLB Note 2.375% Due 03/08/2024	04/29/2019 04/30/2019 4,000,000.00	4,000,280.00 0.00 0.00 4,000,280.00	45,652.78 47,500.00 6,069.44 7,916.66	0.00 0.00 0.00 7,916.66	7,916.66

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3130AQF40	FHLB Note 1% Due 12/20/2024	12/21/2021 12/22/2021 4,300,000.00	4,297,205.00 0.00 0.00 4,297,205.00	8,480.56 0.00 12,063.89 3,583.33	0.00 0.00 0.00 3,583.33	3,583.33
3135G03U5	FNMA Note 0.625% Due 04/22/2025	04/22/2020 04/24/2020 5,270,000.00	5,259,143.80 0.00 0.00 5,259,143.80	11,802.60 0.00 14,547.40 2,744.80	0.00 0.00 0.00 2,744.80	2,744.80
3135G04Z3	FNMA Note 0.5% Due 06/17/2025	Various Various 6,200,000.00	6,196,731.90 0.00 0.00 6,196,731.90	6,372.22 0.00 8,955.55 2,583.33	0.00 0.00 0.00 2,583.33	2,583.33
3135G05X7	FNMA Note 0.375% Due 08/25/2025	Various Various 6,285,000.00	6,260,439.20 0.00 0.00 6,260,439.20	392.81 0.00 2,356.88 1,964.07	0.00 0.00 0.00 1,964.07	1,964.07
3135G06G3	FNMA Note 0.5% Due 11/07/2025	Various Various 6,300,000.00	6,279,895.00 0.00 0.00 6,279,895.00	9,975.00 0.00 12,600.00 2,625.00	0.00 0.00 0.00 2,625.00	2,625.00
3135G0W66	FNMA Note 1.625% Due 10/15/2024	Various Various 3,500,000.00	3,564,275.00 0.00 0.00 3,564,275.00	21,486.11 0.00 26,225.69 4,739.58	0.00 0.00 0.00 4,739.58	4,739.58
3135G0X24	FNMA Note 1.625% Due 01/07/2025	Various Various 4,220,000.00	4,282,878.20 0.00 0.00 4,282,878.20	10,286.25 0.00 16,000.83 5,714.58	0.00 0.00 0.00 5,714.58	5,714.58
3137B4WB8	FHLMC K033 A2 3.06% Due 07/25/2023	07/23/2019 07/26/2019 3,350,000.00	3,458,875.00 0.00 0.00 3,458,875.00	1,708.50 8,542.50 1,708.50 8,542.50	0.00 0.00 0.00 8,542.50	8,542.50
3137B5JM6	FHLMC K034 A2 3.531% Due 07/25/2023	08/28/2018 08/31/2018 3,850,000.00	3,931,662.11 0.00 0.00 3,931,662.11	11,328.63 11,328.63 11,328.63 11,328.63	0.00 0.00 0.00 11,328.63	11,328.63

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3137B7MZ9	FHLMC K036 A2 3.527% Due 10/25/2023	Various Various 3,750,000.00	3,837,910.16 0.00 0.00 3,837,910.16	2,204.38 11,021.88 2,204.38 11,021.88	0.00 0.00 0.00 11,021.88	11,021.88
3137BSP72	FHLMC K058 A2 2.653% Due 08/25/2026	11/12/2021 11/17/2021 1,500,000.00	1,586,425.78 0.00 0.00 1,586,425.78	3,316.25 3,316.25 3,316.25 3,316.25	0.00 0.00 0.00 3,316.25	3,316.25
3137BSRE5	FHLMC K059 A2 3.12% Due 09/25/2026	02/18/2022 02/24/2022 3,000,000.00	3,128,437.50 0.00 0.00 3,128,437.50	7,800.00 7,800.00 7,800.00 7,800.00	0.00 0.00 0.00 7,800.00	7,800.00
3137BYPQ7	FHLMC K726 A2 2.905% Due 04/25/2024	04/22/2019 04/25/2019 2,768,302.12	2,896,703.26 0.00 108,612.10 2,788,091.16	6,962.66 7,538.24 6,701.60 7,277.18	0.00 0.00 0.00 7,277.18	7,277.18
3137EAEPO	FHLMC Note 1.5% Due 02/12/2025	02/13/2020 02/14/2020 6,575,000.00	6,569,937.25 0.00 0.00 6,569,937.25	5,205.21 0.00 13,423.96 8,218.75	0.00 0.00 0.00 8,218.75	8,218.75
3137EAEU9	FHLMC Note 0.375% Due 07/21/2025	Various Various 6,300,000.00	6,277,899.60 0.00 0.00 6,277,899.60	2,625.00 0.00 4,593.75 1,968.75	0.00 0.00 0.00 1,968.75	1,968.75
3137EAEX3	FHLMC Note 0.375% Due 09/23/2025	Various Various 6,295,000.00	6,276,346.05 0.00 0.00 6,276,346.05	10,360.52 11,803.13 524.59 1,967.20	0.00 0.00 0.00 1,967.20	1,967.20
362554AC1	GM Financial Securitized Term 2021-4 A3 0.68% Due 09/16/2026	10/13/2021 10/21/2021 780,000.00	779,980.11 0.00 0.00 779,980.11	221.00 442.00 221.00 442.00	0.00 0.00 0.00 442.00	442.00
36262XAC8	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	08/10/2021 08/18/2021 2,145,000.00	2,144,970.83 0.00 0.00 2,144,970.83	255.61 697.13 255.61 697.13	0.00 0.00 0.00 697.13	697.13

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36265MAC9	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 03/20/2025	02/15/2022 02/23/2022 2,105,000.00	2,104,981.90 0.00 0.00 2,104,981.90	1,222.07 3,332.92 1,222.07 3,332.92	0.00 0.00 0.00 3,332.92	3,332.92
380146AC4	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	01/11/2022 01/19/2022 660,000.00	659,942.65 0.00 0.00 659,942.65	346.50 693.00 346.50 693.00	0.00 0.00 0.00 693.00	693.00
40139LBC6	Guardian Life Glob Fun Note 0.875% Due 12/10/2025	Various Various 3,000,000.00	2,969,700.00 0.00 0.00 2,969,700.00	5,906.26 0.00 8,093.76 2,187.50	0.00 0.00 0.00 2,187.50	2,187.50
43813DAC2	Honda Auto Receivables 2020-2 A3 0.82% Due 07/15/2024	05/18/2020 05/27/2020 433,958.18	480,572.10 0.00 46,648.08 433,924.02	175.16 328.42 158.15 311.41	0.00 0.00 0.00 311.41	311.41
43813GAC5	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 04/21/2025	02/17/2021 02/24/2021 671,191.40	720,672.80 0.00 49,493.68 671,179.12	54.05 162.15 50.34 158.44	0.00 0.00 0.00 158.44	158.44
43813KAC6	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	09/22/2020 09/29/2020 1,071,619.58	1,164,901.73 0.00 93,439.57 1,071,462.16	155.67 359.23 143.18 346.74	0.00 0.00 0.00 346.74	346.74
43815BAC4	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 05/15/2026	02/15/2022 02/23/2022 1,650,000.00	1,649,751.84 0.00 0.00 1,649,751.84	1,378.67 2,585.00 1,378.67 2,585.00	0.00 0.00 0.00 2,585.00	2,585.00
43815GAC3	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 01/21/2026	11/16/2021 11/24/2021 1,025,000.00	1,024,783.93 0.00 0.00 1,024,783.93	250.56 751.67 250.56 751.67	0.00 0.00 0.00 751.67	751.67
43815NAC8	Honda Auto Receivables Trust 2019-3 A3 1.78% Due 08/15/2023	08/20/2019 08/27/2019 137,895.36	226,131.03 0.00 88,236.81 137,894.22	178.90 335.43 109.09 265.62	0.00 0.00 0.00 265.62	265.62

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44891RAC4	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 05/15/2025	10/20/2020 10/28/2020 1,308,412.48	1,408,014.09 0.00 99,902.94 1,308,111.15	237.85 445.97 220.98 429.10	0.00 0.00 0.00 429.10	429.10
44891VAC5	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 06/17/2024	06/08/2021 06/16/2021 1,900,000.00	1,899,715.00 0.00 0.00 1,899,715.00	278.67 522.50 278.67 522.50	0.00 0.00 0.00 522.50	522.50
44891WAC3	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 01/15/2025	01/11/2022 01/19/2022 1,205,000.00	1,204,973.37 0.00 0.00 1,204,973.37	621.24 1,164.83 621.24 1,164.83	0.00 0.00 0.00 1,164.83	1,164.83
448977AD0	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	03/09/2022 03/16/2022 1,350,000.00	1,349,948.03 0.00 0.00 1,349,948.03	1,332.00 2,497.50 1,332.00 2,497.50	0.00 0.00 0.00 2,497.50	2,497.50
44933LAC7	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 09/15/2025	04/20/2021 04/28/2021 1,340,000.00	1,339,859.03 0.00 0.00 1,339,859.03	226.31 424.33 226.31 424.33	0.00 0.00 0.00 424.33	424.33
44935FAD6	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 05/15/2026	11/09/2021 11/17/2021 730,000.00	729,837.06 0.00 0.00 729,837.06	240.09 450.17 240.09 450.17	0.00 0.00 0.00 450.17	450.17
4581X0DV7	Inter-American Dev Bank Note 0.875% Due 04/20/2026	04/13/2021 04/20/2021 6,390,000.00	6,360,733.80 0.00 0.00 6,360,733.80	20,345.94 0.00 25,005.31 4,659.37	0.00 0.00 0.00 4,659.37	4,659.37
459058JL8	Intl. Bank Recon & Development Note 0.5% Due 10/28/2025	Various Various 6,300,000.00	6,272,360.85 0.00 0.00 6,272,360.85	10,762.50 0.00 13,387.51 2,625.01	0.00 0.00 0.00 2,625.01	2,625.01
46647PBK1	JP Morgan Chase & Co Callable Note Cont 4/22/2025 2.083% Due 04/22/2026	05/20/2021 05/24/2021 1,000,000.00	1,037,330.00 0.00 0.00 1,037,330.00	7,464.08 0.00 9,199.92 1,735.84	0.00 0.00 0.00 1,735.84	1,735.84

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46647PCH7	JP Morgan Chase & Co Callable Note Cont 6/1/2024 0.824% Due 06/01/2025	05/24/2021 06/01/2021 3,295,000.00	3,299,268.65 0.00 0.00 3,299,268.65	6,787.70 0.00 9,050.27 2,262.57	0.00 0.00 0.00 2,262.57	2,262.57
46647PCK0	JP Morgan Chase & Co Callable Note Cont 6/23/2024 0.969% Due 06/23/2025	Various Various 1,565,000.00	1,565,968.20 0.00 0.00 1,565,968.20	2,864.47 0.00 4,128.21 1,263.74	0.00 0.00 0.00 1,263.74	1,263.74
477870AC3	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	07/16/2019 07/24/2019 57,130.34	77,029.07 0.00 19,910.85 57,118.22	75.68 141.89 56.11 122.32	0.00 0.00 0.00 122.32	122.32
47787JAC2	John Deere Owner Trust 2022-A A3 2.32% Due 09/16/2026	03/10/2022 03/16/2022 1,010,000.00	1,009,776.59 0.00 0.00 1,009,776.59	1,041.42 1,952.67 1,041.42 1,952.67	0.00 0.00 0.00 1,952.67	1,952.67
47787NAC3	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	07/14/2020 07/22/2020 367,818.27	397,913.08 0.00 30,150.86 367,762.22	90.21 169.14 83.37 162.30	0.00 0.00 0.00 162.30	162.30
47789KAC7	John Deere Owner Trust 2020-A A3 1.1% Due 08/15/2024	Various Various 743,797.80	831,415.84 0.00 86,015.08 745,400.76	405.59 760.49 363.64 718.54	0.00 0.00 0.00 718.54	718.54
47789QAC4	John Deere Owner Trust 2021-B A3 0.52% Due 03/16/2026	07/13/2021 07/21/2021 1,290,000.00	1,289,884.93 0.00 0.00 1,289,884.93	298.13 559.00 298.13 559.00	0.00 0.00 0.00 559.00	559.00
57629WDE7	Mass Mutual Global funding Note 1.2% Due 07/16/2026	08/10/2021 08/12/2021 2,272,000.00	2,271,369.92 0.00 0.00 2,271,369.92	3,408.00 0.00 5,680.00 2,272.00	0.00 0.00 0.00 2,272.00	2,272.00
58769EAC2	Mercedes-Benz Auto Lease Trust 2020-B A3 0.4% Due 11/15/2023	09/15/2020 09/23/2020 493,392.53	592,180.99 0.00 98,813.48 493,367.51	105.28 197.40 87.71 179.83	0.00 0.00 0.00 179.83	179.83

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58989V2D5	Met Tower Global Funding Note 1.25% Due 09/14/2026	09/07/2021 09/14/2021 1,715,000.00	1,713,422.20 0.00 0.00 1,713,422.20	9,944.62 10,718.75 1,012.33 1,786.46	0.00 0.00 0.00 1,786.46	1,786.46
59217GER6	Metlife Note 1.875% Due 01/11/2027	01/03/2022 01/11/2022 2,485,000.00	2,482,167.10 0.00 0.00 2,482,167.10	6,471.35 0.00 10,354.17 3,882.82	0.00 0.00 0.00 3,882.82	3,882.82
6174468Q5	Morgan Stanley Callable Note Cont 4/28/2025 2.188% Due 04/28/2026	05/18/2022 05/20/2022 1,600,000.00	1,511,376.00 0.00 0.00 1,511,376.00	11,961.07 0.00 14,878.40 2,917.33	0.00 0.00 0.00 2,917.33	2,917.33
63743HFE7	National Rural Utilities Note 3.45% Due 06/15/2025	04/27/2022 05/04/2022 940,000.00	939,746.20 0.00 0.00 939,746.20	10,539.75 0.00 13,242.25 2,702.50	0.00 0.00 0.00 2,702.50	2,702.50
64952WEK5	New York Life Global Note 1.45% Due 01/14/2025	01/11/2022 01/14/2022 3,745,000.00	3,740,955.40 0.00 0.00 3,740,955.40	7,089.49 0.00 11,614.70 4,525.21	0.00 0.00 0.00 4,525.21	4,525.21
65479JAD5	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 07/15/2024	10/16/2019 10/23/2019 481,146.87	568,430.45 0.00 87,308.98 481,121.47	487.61 914.27 412.72 839.38	0.00 0.00 0.00 839.38	839.38
665859AW4	Northern Trust Company Callable Note Cont 4/10/2027 4% Due 05/10/2027	05/05/2022 05/10/2022 1,345,000.00	1,342,821.10 0.00 0.00 1,342,821.10	16,588.33 0.00 21,071.67 4,483.34	0.00 0.00 0.00 4,483.34	4,483.34
66815L2A6	Northwestern Mutual Gbl Note 0.8% Due 01/14/2026	12/06/2021 12/08/2021 1,870,000.00	1,820,388.90 0.00 0.00 1,820,388.90	1,953.11 0.00 3,199.78 1,246.67	0.00 0.00 0.00 1,246.67	1,246.67
66815L2J7	Northwestern Mutual Gbl Note 4% Due 07/01/2025	06/27/2022 07/01/2022 2,350,000.00	2,349,201.00 0.00 0.00 2,349,201.00	15,666.67 0.00 23,500.00 7,833.33	0.00 0.00 0.00 7,833.33	7,833.33

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69371RQ25	Paccar Financial Corp Note 2.15% Due 08/15/2024	08/08/2019 08/15/2019 715,000.00	713,419.85 0.00 0.00 713,419.85	683.22 0.00 1,964.26 1,281.04	0.00 0.00 0.00 1,281.04	1,281.04
69371RR73	Paccar Financial Corp Note 2.85% Due 04/07/2025	03/31/2022 04/07/2022 2,970,000.00	2,969,227.80 0.00 0.00 2,969,227.80	33,858.00 0.00 40,911.75 7,053.75	0.00 0.00 0.00 7,053.75	7,053.75
74153WCQ0	Pricoa Global Funding Note 1.15% Due 12/06/2024	12/01/2021 12/08/2021 1,975,000.00	1,972,965.75 0.00 0.00 1,972,965.75	5,362.67 0.00 7,255.38 1,892.71	0.00 0.00 0.00 1,892.71	1,892.71
78015K7C2	Royal Bank of Canada Note 2.25% Due 11/01/2024	12/05/2019 12/09/2019 3,600,000.00	3,598,128.00 0.00 0.00 3,598,128.00	27,000.00 0.00 33,750.00 6,750.00	0.00 0.00 0.00 6,750.00	6,750.00
78016EZ59	Royal Bank of Canada Note 3.375% Due 04/14/2025	04/07/2022 04/14/2022 1,270,000.00	1,269,530.10 0.00 0.00 1,269,530.10	16,311.56 0.00 19,883.44 3,571.88	0.00 0.00 0.00 3,571.88	3,571.88
79466LAG9	Salesforce.com Inc Callable Note Cont 7/15/2022 0.625% Due 07/15/2024	Various Various 3,100,000.00	3,076,192.60 0.00 0.00 3,076,192.60	2,475.70 0.00 4,090.28 1,614.58	0.00 0.00 0.00 1,614.58	1,614.58
808513BN4	Charles Schwab Corp Callable Note Cont 2/18/2024 0.75% Due 03/18/2024	03/16/2021 03/18/2021 1,775,000.00	1,774,112.50 0.00 0.00 1,774,112.50	6,027.60 6,656.25 480.73 1,109.38	0.00 0.00 0.00 1,109.38	1,109.38
808513BY0	Charles Schwab Corp Callable Note Cont 2/3/2027 2.45% Due 03/03/2027	03/09/2022 03/11/2022 1,300,000.00	1,282,866.00 0.00 0.00 1,282,866.00	15,748.06 15,925.00 2,477.22 2,654.16	0.00 0.00 0.00 2,654.16	2,654.16
89114TZT2	Toronto-Dominion Bank Note 2.8% Due 03/10/2027	03/09/2022 03/11/2022 1,900,000.00	1,884,933.00 0.00 0.00 1,884,933.00	25,270.00 26,600.00 3,103.33 4,433.33	0.00 0.00 0.00 4,433.33	4,433.33

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89115A2C5	Toronto-Dominion Bank Note 4.108% Due 06/08/2027	08/26/2022 08/30/2022 1,400,000.00	1,395,310.00 0.00 0.00 1,395,310.00	13,259.71 0.00 18,052.38 4,792.67	0.00 0.00 0.00 4,792.67	4,792.67
89236TJK2	Toyota Motor Credit Corp Note 1.125% Due 06/18/2026	06/15/2021 06/18/2021 3,325,000.00	3,323,537.00 0.00 0.00 3,323,537.00	7,585.16 0.00 10,702.34 3,117.18	0.00 0.00 0.00 3,117.18	3,117.18
89236TJT3	Toyota Motor Credit Corp Note 1.45% Due 01/13/2025	01/10/2022 01/13/2022 2,700,000.00	2,696,382.00 0.00 0.00 2,696,382.00	5,220.00 0.00 8,482.50 3,262.50	0.00 0.00 0.00 3,262.50	3,262.50
89236XAC0	Toyota Auto Receivables 2020-D A3 0.35% Due 01/15/2025	10/06/2020 10/13/2020 817,171.58	897,259.48 0.00 80,240.14 817,019.34	139.60 261.75 127.12 249.27	0.00 0.00 0.00 249.27	249.27
89238JAC9	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 04/15/2026	11/09/2021 11/15/2021 955,000.00	954,979.66 0.00 0.00 954,979.66	301.36 565.04 301.36 565.04	0.00 0.00 0.00 565.04	565.04
89238LAC4	Toyota Lease Owner Trust 2022-A A3 1.96% Due 02/20/2025	02/23/2022 02/28/2022 2,565,000.00	2,564,596.27 0.00 0.00 2,564,596.27	1,536.15 4,189.50 1,536.15 4,189.50	0.00 0.00 0.00 4,189.50	4,189.50
89240BAC2	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 05/15/2025	02/02/2021 02/08/2021 2,387,521.41	2,556,053.45 0.00 168,975.16 2,387,078.29	295.42 553.91 275.89 534.38	0.00 0.00 0.00 534.38	534.38
90331HPL1	US Bank NA Callable Note Cont 12/21/2024 2.05% Due 01/21/2025	01/16/2020 01/21/2020 4,145,000.00	4,136,171.15 0.00 0.00 4,136,171.15	9,441.39 0.00 16,522.43 7,081.04	0.00 0.00 0.00 7,081.04	7,081.04
9128283D0	US Treasury Note 2.25% Due 10/31/2024	11/07/2019 11/08/2019 4,000,000.00	4,090,468.75 0.00 0.00 4,090,468.75	30,326.09 0.00 37,663.04 7,336.95	0.00 0.00 0.00 7,336.95	7,336.95

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912828B66	US Treasury Note 2.75% Due 02/15/2024	Various Various 5,000,000.00	5,121,796.88 0.00 0.00 5,121,796.88	6,351.90 0.00 17,561.14 11,209.24	0.00 0.00 0.00 11,209.24	11,209.24
912828D56	US Treasury Note 2.375% Due 08/15/2024	12/12/2019 12/13/2019 5,000,000.00	5,140,234.38 0.00 0.00 5,140,234.38	5,485.73 0.00 15,166.44 9,680.71	0.00 0.00 0.00 9,680.71	9,680.71
912828T91	US Treasury Note Due 10/31/2023	05/29/2019 05/30/2019 0.00	1,031,091.80 0.00 1,031,091.80 0.00	5,749.32 6,120.24 0.00 370.92	0.00 0.00 0.00 370.92	370.92
912828V23	US Treasury Note 2.25% Due 12/31/2023	06/21/2019 06/24/2019 4,500,000.00	4,588,417.97 0.00 0.00 4,588,417.97	17,333.56 0.00 25,587.64 8,254.08	0.00 0.00 0.00 8,254.08	8,254.08
912828X70	US Treasury Note 2% Due 04/30/2024	Various Various 4,800,000.00	4,833,281.25 0.00 0.00 4,833,281.25	32,347.82 0.00 40,173.92 7,826.10	0.00 0.00 0.00 7,826.10	7,826.10
912828XX3	US Treasury Note 2% Due 06/30/2024	Various Various 4,900,000.00	4,942,253.91 0.00 0.00 4,942,253.91	16,777.17 0.00 24,766.30 7,989.13	0.00 0.00 0.00 7,989.13	7,989.13
912828ZC7	US Treasury Note 1.125% Due 02/28/2025	03/18/2020 03/19/2020 7,000,000.00	7,108,007.81 0.00 0.00 7,108,007.81	217.54 0.00 6,743.78 6,526.24	0.00 0.00 0.00 6,526.24	6,526.24
91282CAB7	US Treasury Note 0.25% Due 07/31/2025	03/12/2021 03/15/2021 6,000,000.00	5,879,062.50 0.00 0.00 5,879,062.50	1,304.35 0.00 2,527.17 1,222.82	0.00 0.00 0.00 1,222.82	1,222.82
91282CAM3	US Treasury Note 0.25% Due 09/30/2025	03/29/2021 03/30/2021 3,200,000.00	3,130,375.00 0.00 0.00 3,130,375.00	3,366.12 4,000.00 21.98 655.86	0.00 0.00 0.00 655.86	655.86

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Income Earned



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CUSIP	Security Description	Trade Date Settle Date Units	Book Value: Begin Book Value: Acq Book Value: Disp Book Value: End	Prior Accrued Inc. Received Ending Accrued Total Interest	Accr. Of Discount Amort. Of Premium Net Accret/Amort Income Earned	Total Income
91282CAT8	US Treasury Note 0.25% Due 10/31/2025	02/19/2021 02/22/2021 6,000,000.00	5,923,125.00 0.00 0.00 5,923,125.00	5,054.35 0.00 6,277.17 1,222.82	0.00 0.00 0.00 1,222.82	1,222.82
91282CAZ4	US Treasury Note 0.375% Due 11/30/2025	03/26/2021 03/29/2021 3,800,000.00	3,731,867.19 0.00 0.00 3,731,867.19	3,620.90 0.00 4,788.93 1,168.03	0.00 0.00 0.00 1,168.03	1,168.03
91282CBR1	US Treasury Note 0.25% Due 03/15/2024	03/30/2021 03/31/2021 2,900,000.00	2,892,976.56 0.00 0.00 2,892,976.56	3,349.18 3,625.00 320.44 596.26	0.00 0.00 0.00 596.26	596.26
91282CCW9	US Treasury Note 0.75% Due 08/31/2026	09/23/2021 09/24/2021 1,570,000.00	1,558,899.61 0.00 0.00 1,558,899.61	32.53 0.00 1,008.36 975.83	0.00 0.00 0.00 975.83	975.83
91282CCZ2	US Treasury Note 0.875% Due 09/30/2026	10/18/2021 10/19/2021 3,130,000.00	3,083,172.27 0.00 0.00 3,083,172.27	11,523.70 13,693.75 75.24 2,245.29	0.00 0.00 0.00 2,245.29	2,245.29
91282CDG3	US Treasury Note 1.125% Due 10/31/2026	11/15/2021 11/17/2021 3,120,000.00	3,100,987.50 0.00 0.00 3,100,987.50	11,827.17 0.00 14,688.59 2,861.42	0.00 0.00 0.00 2,861.42	2,861.42
91282CED9	US Treasury Note 1.75% Due 03/15/2025	04/05/2022 04/07/2022 7,000,000.00	6,823,085.94 0.00 0.00 6,823,085.94	56,589.67 61,250.00 5,414.36 10,074.69	0.00 0.00 0.00 10,074.69	10,074.69
91282CET4	US Treasury Note 2.625% Due 05/31/2027	06/09/2022 06/10/2022 2,400,000.00	2,351,156.25 0.00 0.00 2,351,156.25	16,008.20 0.00 21,172.13 5,163.93	0.00 0.00 0.00 5,163.93	5,163.93
91282CEW7	US Treasury Note 3.25% Due 06/30/2027	Various Various 6,650,000.00	6,690,380.86 0.00 0.00 6,690,380.86	36,999.66 0.00 54,618.55 17,618.89	0.00 0.00 0.00 17,618.89	17,618.89

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Income Earned



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CUSIP	Security Description	Trade Date Settle Date Units	Book Value: Begin Book Value: Acq Book Value: Disp Book Value: End	Prior Accrued Inc. Received Ending Accrued Total Interest	Accr. Of Discount Amort. Of Premium Net Accret/Amort Income Earned	Total Income
91282CFB2	US Treasury Note 2.75% Due 07/31/2027	08/22/2022 08/23/2022 1,300,000.00	1,277,960.94 0.00 0.00 1,277,960.94	3,108.70 0.00 6,023.10 2,914.40	0.00 0.00 0.00 2,914.40	2,914.40
91282CFH9	US Treasury Note 3.125% Due 08/31/2027	Various Various 3,450,000.00	0.00 3,399,517.58 0.00 3,399,517.58	0.00 (3,724.96) 9,232.57 5,507.61	0.00 0.00 0.00 5,507.61	5,507.61
91324PEC2	United Health Group Inc Callable Note Cont 4/15/2026 1.15% Due 05/15/2026	Various Various 805,000.00	807,605.05 0.00 0.00 807,605.05	2,725.82 0.00 3,497.28 771.46	0.00 0.00 0.00 771.46	771.46
91324PEG3	United Health Group Inc Callable Note Cont 4/15/2027 3.7% Due 05/15/2027	05/17/2022 05/20/2022 1,365,000.00	1,365,638.40 0.00 0.00 1,365,638.40	14,169.46 0.00 18,378.21 4,208.75	0.00 0.00 0.00 4,208.75	4,208.75
92290BAA9	Verizon Owner Trust 2020-B A 0.47% Due 02/20/2025	08/04/2020 08/12/2020 1,988,658.86	2,259,525.40 0.00 271,284.16 1,988,241.24	324.56 885.17 285.59 846.20	0.00 0.00 0.00 846.20	846.20
92348AAA3	Verizon Owner Trust 2019-C A1A 1.94% Due 04/22/2024	10/01/2019 10/08/2019 235,209.80	308,301.34 0.00 73,109.68 235,191.66	182.77 498.46 139.43 455.12	0.00 0.00 0.00 455.12	455.12
92348KAV5	Verizon Master Trust 2022-5 A1A 3.72% Due 07/20/2027	08/02/2022 08/11/2022 1,150,000.00	1,149,949.40 0.00 0.00 1,149,949.40	2,376.67 4,634.50 1,307.17 3,565.00	0.00 0.00 0.00 3,565.00	3,565.00
931142ERO	Wal-Mart Stores Callable Note Cont 08/17/2026 1.05% Due 09/17/2026	09/08/2021 09/17/2021 785,000.00	783,516.35 0.00 0.00 783,516.35	3,754.92 4,121.25 320.54 686.87	0.00 0.00 0.00 686.87	686.87
			312,449,777.28	1,050,755.38	0.00	
			3,399,517.58	374,989.56	0.00	
			3,478,643.37	1,090,387.91	0.00	
Total Fixed Income		311,724,226.58	312,370,651.49	414,622.09	414,622.09	414,622.09

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Income Earned

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CUSIP	Security Description	Trade Date Settle Date Units	Book Value: Begin Book Value: Acq Book Value: Disp Book Value: End	Prior Accrued Inc. Received Ending Accrued Total Interest	Accr. Of Discount Amort. Of Premium Net Accret/Amort Income Earned	Total Income
CASH & EQUIVALENT						
60934N807	Federated Investors Govt Oblig Fund Inst.	Various Various 709,931.95	308,556.42 1,775,375.83 1,374,000.30 709,931.95	0.00 1,516.70 0.00 1,516.70	0.00 0.00 0.00 1,516.70	1,516.70
78012U3M5	Royal Bank of Canada Yankee CD 1.35% Due 02/14/2023	02/11/2022 02/14/2022 500,000.00	500,000.00 0.00 0.00 500,000.00	3,731.25 0.00 4,293.75 562.50	0.00 0.00 0.00 562.50	562.50
Total Cash & Equivalent			1,209,931.95	2,079.20	2,079.20	2,079.20
LOCAL AGENCY INVESTMENT FUND						
90LAIF\$00	Local Agency Investment Fund State Pool	Various Various 114,295,864.70	101,695,864.70 29,500,000.00 16,900,000.00 114,295,864.70	186,793.54 0.00 317,079.03 130,285.49	0.00 0.00 0.00 130,285.49	130,285.49
Total Local Agency Investment Fund			114,295,864.70	130,285.49	130,285.49	130,285.49
TOTAL PORTFOLIO			427,230,023.23	546,986.78	546,986.78	546,986.78

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
10/01/2022	Interest	13063DRK6	3,385,000.00	California State Taxable GO 2.4% Due 10/1/2024	0.00	40,620.00	40,620.00
10/07/2022	Interest	69371RR73	2,970,000.00	Paccar Financial Corp Note 2.85% Due 4/7/2025	0.00	42,322.50	42,322.50
10/14/2022	Interest	78016EZ59	1,270,000.00	Royal Bank of Canada Note 3.375% Due 4/14/2025	0.00	21,431.25	21,431.25
10/15/2022	Interest	3135G0W66	3,500,000.00	FNMA Note 1.625% Due 10/15/2024	0.00	28,437.50	28,437.50
10/15/2022	Paydown	43813DAC2	433,958.18	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	19,584.21	296.54	19,880.75
10/15/2022	Paydown	43815BAC4	1,650,000.00	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	0.00	2,585.00	2,585.00
10/15/2022	Paydown	44891RAC4	1,308,412.48	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	76,739.92	414.33	77,154.25
10/15/2022	Paydown	44891VAC5	1,900,000.00	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	0.00	522.50	522.50
10/15/2022	Paydown	47789KAC7	743,797.80	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	31,371.52	681.82	32,053.34
10/15/2022	Paydown	89236XAC0	817,171.58	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	30,592.45	238.34	30,830.79
10/15/2022	Paydown	02582JIT8	2,765,000.00	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	0.00	7,811.13	7,811.13
10/15/2022	Paydown	44891WAC3	1,205,000.00	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	0.00	1,164.83	1,164.83
10/15/2022	Paydown	448977AD0	1,350,000.00	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	0.00	2,497.50	2,497.50
10/15/2022	Paydown	44933LAC7	1,340,000.00	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	0.00	424.33	424.33
10/15/2022	Paydown	47787NAC3	367,818.27	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	22,921.19	156.32	23,077.51
10/15/2022	Paydown	47789QAC4	1,290,000.00	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	0.00	559.00	559.00
10/15/2022	Paydown	65479JAD5	481,146.87	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	21,358.08	773.84	22,131.92

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10/15/2022	Paydown	89240BAC2	2,387,521.41	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 5/15/2025	132,274.03	517.30	132,791.33
10/15/2022	Paydown	47787JAC2	1,010,000.00	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	0.00	1,952.67	1,952.67
10/15/2022	Paydown	58769EAC2	493,392.53	Mercedes-Benz Auto Lease Trust 2020-B A3 0.4% Due 11/15/2023	125,091.88	164.46	125,256.34
10/15/2022	Paydown	89238JAC9	955,000.00	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	0.00	565.04	565.04
10/15/2022	Paydown	44935FAD6	730,000.00	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	0.00	450.17	450.17
10/15/2022	Paydown	477870AC3	57,130.34	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	3,753.45	105.22	3,858.67
10/16/2022	Paydown	362554AC1	780,000.00	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	0.00	442.00	442.00
10/16/2022	Paydown	380146AC4	660,000.00	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	0.00	693.00	693.00
10/17/2022	Dividend	90LAIF\$00	8,850,302,042.90	Local Agency Investment Fund State Pool	0.00	315,936.92	315,936.92
10/18/2022	Paydown	43813KAC6	1,071,619.58	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	76,390.96	330.42	76,721.38
10/20/2022	Interest	4581X0DV7	6,390,000.00	Inter-American Dev Bank Note 0.875% Due 4/20/2026	0.00	27,956.25	27,956.25
10/20/2022	Paydown	3137BSRE5	0.00	FHLMC K059 A2 3.12% Due 9/25/2026	0.00	7,800.00	7,800.00
10/20/2022	Paydown	3137BYPQ7	0.00	FHLMC K726 A2 2.905% Due 4/25/2024	107,841.20	7,538.24	115,379.44
10/20/2022	Paydown	36265MAC9	2,105,000.00	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	0.00	3,332.92	3,332.92
10/20/2022	Paydown	3137B5JM6	0.00	FHLMC K034 A2 3.531% Due 7/25/2023	0.00	11,328.63	11,328.63
10/20/2022	Paydown	89238LAC4	2,565,000.00	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	0.00	4,189.50	4,189.50
10/20/2022	Paydown	92348AAA3	235,209.80	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	11,511.08	380.26	11,891.34

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
10/20/2022	Paydown	92348KAV5	1,150,000.00	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	0.00	3,565.00	3,565.00
10/20/2022	Paydown	3137BSP72	0.00	FHLMC K058 A2 2.653% Due 8/25/2026	0.00	3,316.25	3,316.25
10/20/2022	Paydown	36262XAC8	2,145,000.00	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	0.00	697.13	697.13
10/20/2022	Paydown	92290BAA9	1,988,658.86	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	68,199.16	778.89	68,978.05
10/21/2022	Paydown	43815GAC3	1,025,000.00	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	0.00	751.67	751.67
10/21/2022	Paydown	43813GAC5	671,191.40	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	37,211.87	151.02	37,362.89
10/22/2022	Interest	3135G03U5	5,270,000.00	FNMA Note 0.625% Due 4/22/2025	0.00	16,468.75	16,468.75
10/22/2022	Interest	46647PBK1	1,000,000.00	JP Morgan Chase & Co Callable Note Cont 4/22/2025 2.083% Due 4/22/2026	0.00	10,415.00	10,415.00
10/23/2022	Interest	06051GHT9	3,000,000.00	Bank of America Corp Callable Note 1X 4/23/2026 3.559% Due 4/23/2027	0.00	53,385.01	53,385.01
10/25/2022	Interest	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	0.00	11,021.87	11,021.87
10/25/2022	Interest	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	0.00	11,328.63	11,328.63
10/25/2022	Interest	3137BYPQ7	2,768,302.12	FHLMC K726 A2 2.905% Due 4/25/2024	0.00	6,701.60	6,701.60
10/25/2022	Paydown	05602RAD3	1,065,000.00	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	0.00	2,848.88	2,848.88
10/25/2022	Paydown	3137B4WB8	3,350,000.00	FHLMC K033 A2 3.06% Due 7/25/2023	0.00	8,542.50	8,542.50
10/25/2022	Paydown	3137BSP72	1,500,000.00	FHLMC K058 A2 2.653% Due 8/25/2026	0.00	3,316.25	3,316.25
10/25/2022	Paydown	05601XAC3	1,000,000.00	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	0.00	916.67	916.67
10/25/2022	Paydown	09690AAC7	950,000.00	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	0.00	261.25	261.25

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10/25/2022	Paydown	3137BSRE5	3,000,000.00	FHLMC K059 A2 3.12% Due 9/25/2026	0.00	7,800.00	7,800.00
10/28/2022	Interest	459058JL8	6,300,000.00	Intl. Bank Recon & Development Note 0.5% Due 10/28/2025	0.00	15,750.00	15,750.00
10/28/2022	Interest	6174468Q5	1,600,000.00	Morgan Stanley Callable Note Cont 4/28/2025 2.188% Due 4/28/2026	0.00	17,504.00	17,504.00
10/31/2022	Interest	9128283D0	4,000,000.00	US Treasury Note 2.25% Due 10/31/2024	0.00	45,000.00	45,000.00
10/31/2022	Interest	912828X70	4,800,000.00	US Treasury Note 2% Due 4/30/2024	0.00	48,000.00	48,000.00
10/31/2022	Interest	91282CAT8	6,000,000.00	US Treasury Note 0.25% Due 10/31/2025	0.00	7,500.00	7,500.00
10/31/2022	Interest	91282CDG3	3,120,000.00	US Treasury Note 1.125% Due 10/31/2026	0.00	17,550.00	17,550.00
OCT 2022					764,841.00	828,190.10	1,593,031.10
11/01/2022	Interest	06367WB85	2,761,000.00	Bank of Montreal Note 1.85% Due 5/1/2025	0.00	25,539.25	25,539.25
11/01/2022	Interest	78015K7C2	3,600,000.00	Royal Bank of Canada Note 2.25% Due 11/1/2024	0.00	40,500.00	40,500.00
11/07/2022	Interest	3135G06G3	6,300,000.00	FNMA Note 0.5% Due 11/7/2025	0.00	15,750.00	15,750.00
11/08/2022	Interest	14913Q3B3	2,593,000.00	Caterpillar Finl Service Note 2.15% Due 11/8/2024	0.00	27,874.75	27,874.75
11/10/2022	Interest	665859AW4	1,345,000.00	Northern Trust Company Callable Note Cont 4/10/2027 4% Due 5/10/2027	0.00	26,900.00	26,900.00
11/12/2022	Interest	023135BX3	4,865,000.00	Amazon.com Inc Callable Note Cont 4/12/2026 1% Due 5/12/2026	0.00	24,325.00	24,325.00
11/13/2022	Interest	14913R2V8	1,460,000.00	Caterpillar Financial Service Note 3.4% Due 5/13/2025	0.00	24,820.00	24,820.00
11/15/2022	Interest	91324PEC2	805,000.00	United Health Group Inc Callable Note Cont 4/15/2026 1.15% Due 5/15/2026	0.00	4,628.75	4,628.75

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
11/15/2022	Interest	91324PEG3	1,365,000.00	United Health Group Inc Callable Note Cont 4/15/2027 3.7% Due 5/15/2027	0.00	24,551.05	24,551.05
11/15/2022	Paydown	477870AC3	57,130.34	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	3,761.28	98.30	3,859.58
11/15/2022	Paydown	58769EAC2	493,392.53	Mercedes-Benz Auto Lease Trust 2020-B A3 0.4% Due 11/15/2023	123,929.77	122.77	124,052.54
11/15/2022	Paydown	44935FAD6	730,000.00	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	0.00	450.17	450.17
11/15/2022	Paydown	89238JAC9	955,000.00	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	0.00	565.04	565.04
11/15/2022	Paydown	02582JIT8	2,765,000.00	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	0.00	7,811.13	7,811.13
11/15/2022	Paydown	43813DAC2	433,958.18	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	19,597.59	283.16	19,880.75
11/15/2022	Paydown	44891VAC5	1,900,000.00	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	0.00	522.50	522.50
11/15/2022	Paydown	44891WAC3	1,205,000.00	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	0.00	1,164.83	1,164.83
11/15/2022	Paydown	448977AD0	1,350,000.00	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	0.00	2,497.50	2,497.50
11/15/2022	Paydown	47787JAC2	1,010,000.00	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	0.00	1,952.67	1,952.67
11/15/2022	Paydown	47787NAC3	367,818.27	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	22,930.17	146.58	23,076.75
11/15/2022	Paydown	47789KAC7	743,797.80	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	31,457.79	653.06	32,110.85
11/15/2022	Paydown	47789QAC4	1,290,000.00	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	0.00	559.00	559.00
11/15/2022	Paydown	65479JAD5	481,146.87	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	21,406.14	739.49	22,145.63
11/15/2022	Paydown	89240BAC2	2,387,521.41	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 5/15/2025	132,317.02	488.64	132,805.66

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11/15/2022	Paydown	43815BAC4	1,650,000.00	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	0.00	2,585.00	2,585.00
11/15/2022	Paydown	44891RAC4	1,308,412.48	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	76,768.06	390.03	77,158.09
11/15/2022	Paydown	44933LAC7	1,340,000.00	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	70,320.25	424.33	70,744.58
11/15/2022	Paydown	89236XAC0	817,171.58	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	30,497.34	229.42	30,726.76
11/16/2022	Paydown	362554AC1	780,000.00	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	0.00	442.00	442.00
11/16/2022	Paydown	380146AC4	660,000.00	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	0.00	693.00	693.00
11/18/2022	Interest	22160KAM7	2,500,000.00	Costco Wholesale Corp Callable Note Cont 2/18/2027 3% Due 5/18/2027	0.00	37,500.00	37,500.00
11/18/2022	Paydown	43813KAC6	1,071,619.58	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	76,414.52	306.86	76,721.38
11/20/2022	Paydown	89238LAC4	2,565,000.00	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	0.00	4,189.50	4,189.50
11/20/2022	Paydown	92348KAV5	1,150,000.00	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	0.00	3,565.00	3,565.00
11/20/2022	Paydown	92348AAA3	235,209.80	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	11,536.98	361.65	11,898.63
11/20/2022	Paydown	36262XAC8	2,145,000.00	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	0.00	697.13	697.13
11/20/2022	Paydown	36265MAC9	2,105,000.00	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	0.00	3,332.92	3,332.92
11/20/2022	Paydown	92290BAA9	1,988,658.86	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	68,225.87	752.18	68,978.05
11/21/2022	Paydown	43813GAC5	671,191.40	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	37,220.86	142.65	37,363.51
11/21/2022	Paydown	43815GAC3	1,025,000.00	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	0.00	751.67	751.67

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
11/25/2022	Interest	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	0.00	11,021.87	11,021.87
11/25/2022	Interest	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	0.00	11,328.63	11,328.63
11/25/2022	Interest	3137BYQ7	2,768,302.12	FHLMC K726 A2 2.905% Due 4/25/2024	0.00	6,701.60	6,701.60
11/25/2022	Paydown	05601XAC3	1,000,000.00	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	0.00	916.67	916.67
11/25/2022	Paydown	09690AAC7	950,000.00	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	0.00	261.25	261.25
11/25/2022	Paydown	3137BSP72	1,500,000.00	FHLMC K058 A2 2.653% Due 8/25/2026	0.00	3,316.25	3,316.25
11/25/2022	Paydown	05602RAD3	1,065,000.00	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	0.00	2,848.88	2,848.88
11/25/2022	Paydown	3137B4WB8	3,350,000.00	FHLMC K033 A2 3.06% Due 7/25/2023	0.00	8,542.50	8,542.50
11/25/2022	Paydown	3137BSRE5	3,000,000.00	FHLMC K059 A2 3.12% Due 9/25/2026	0.00	7,800.00	7,800.00
11/30/2022	Interest	91282CET4	2,400,000.00	US Treasury Note 2.625% Due 5/31/2027	0.00	31,500.00	31,500.00
11/30/2022	Interest	91282CAZ4	3,800,000.00	US Treasury Note 0.375% Due 11/30/2025	0.00	7,125.00	7,125.00
NOV 2022					726,383.64	380,669.63	1,107,053.27
12/01/2022	Interest	46647PCH7	3,295,000.00	JP Morgan Chase & Co Callable Note Cont 6/1/2024 0.824% Due 6/1/2025	0.00	13,575.40	13,575.40
12/06/2022	Interest	74153WCQ0	1,975,000.00	Pricoa Global Funding Note 1.15% Due 12/6/2024	0.00	11,356.25	11,356.25
12/08/2022	Interest	89115A2C5	1,400,000.00	Toronto-Dominion Bank Note 4.108% Due 6/8/2027	0.00	28,756.00	28,756.00
12/10/2022	Interest	40139LBC6	3,000,000.00	Guardian Life Glob Fun Note 0.875% Due 12/10/2025	0.00	13,125.00	13,125.00
12/14/2022	Interest	3130A1XJ2	5,500,000.00	FHLB Note 2.875% Due 6/14/2024	0.00	79,062.51	79,062.51

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12/15/2022	Interest	63743HFE7	940,000.00	National Rural Utilities Note 3.45% Due 6/15/2025	0.00	19,908.42	19,908.42
12/15/2022	Paydown	89238JAC9	955,000.00	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	0.00	565.04	565.04
12/15/2022	Paydown	89240BAC2	2,387,521.41	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 5/15/2025	132,360.03	459.97	132,820.00
12/15/2022	Paydown	02582JIT8	2,765,000.00	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	0.00	7,811.13	7,811.13
12/15/2022	Paydown	44935FAD6	730,000.00	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	0.00	450.17	450.17
12/15/2022	Paydown	477870AC3	57,130.34	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	3,769.11	91.38	3,860.49
12/15/2022	Paydown	47787NAC3	367,818.27	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	22,939.14	136.84	23,075.98
12/15/2022	Paydown	47789QAC4	1,290,000.00	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	0.00	559.00	559.00
12/15/2022	Paydown	43815BAC4	1,650,000.00	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	0.00	2,585.00	2,585.00
12/15/2022	Paydown	44891RAC4	1,308,412.48	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	76,796.21	365.72	77,161.93
12/15/2022	Paydown	58769EAC2	493,392.53	Mercedes-Benz Auto Lease Trust 2020-B A3 0.4% Due 11/15/2023	122,767.08	81.46	122,848.54
12/15/2022	Paydown	44891WAC3	1,205,000.00	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	0.00	1,164.83	1,164.83
12/15/2022	Paydown	448977AD0	1,350,000.00	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	0.00	2,497.50	2,497.50
12/15/2022	Paydown	44933LAC7	1,340,000.00	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	70,343.10	402.07	70,745.17
12/15/2022	Paydown	65479JAD5	481,146.87	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	21,454.29	705.07	22,159.36
12/15/2022	Paydown	43813DAC2	433,958.18	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	19,610.99	269.76	19,880.75
12/15/2022	Paydown	44891VAC5	1,900,000.00	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	0.00	522.50	522.50

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
12/15/2022	Paydown	47787JAC2	1,010,000.00	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	0.00	1,952.67	1,952.67
12/15/2022	Paydown	47789KAC7	743,797.80	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	31,544.31	624.22	32,168.53
12/15/2022	Paydown	89236XAC0	817,171.58	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	30,401.22	220.52	30,621.74
12/16/2022	Paydown	362554AC1	780,000.00	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	0.00	442.00	442.00
12/16/2022	Paydown	380146AC4	660,000.00	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	0.00	693.00	693.00
12/17/2022	Interest	3135G04Z3	6,200,000.00	FNMA Note 0.5% Due 6/17/2025	0.00	15,500.00	15,500.00
12/18/2022	Interest	89236TJK2	3,325,000.00	Toyota Motor Credit Corp Note 1.125% Due 6/18/2026	0.00	18,703.13	18,703.13
12/18/2022	Paydown	43813KAC6	1,071,619.58	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	76,438.08	283.30	76,721.38
12/19/2022	Interest	06051GJD2	3,000,000.00	Bank of America Corp Callable Note Cont 6/19/2025 1.319% Due 6/19/2026	0.00	19,785.00	19,785.00
12/20/2022	Interest	3130AQF40	4,300,000.00	FHLB Note 1% Due 12/20/2024	0.00	21,500.00	21,500.00
12/20/2022	Paydown	92348KAV5	1,150,000.00	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	0.00	3,565.00	3,565.00
12/20/2022	Paydown	36265MAC9	2,105,000.00	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	0.00	3,332.92	3,332.92
12/20/2022	Paydown	89238LAC4	2,565,000.00	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	0.00	4,189.50	4,189.50
12/20/2022	Paydown	92348AAA3	235,209.80	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	11,562.95	342.99	11,905.94
12/20/2022	Paydown	36262XAC8	2,145,000.00	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	0.00	697.13	697.13
12/20/2022	Paydown	92290BAA9	1,988,658.86	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	68,252.59	725.46	68,978.05
12/21/2022	Paydown	43813GAC5	671,191.40	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	37,229.86	134.27	37,364.13

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
12/21/2022	Paydown	43815GAC3	1,025,000.00	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	0.00	751.67	751.67
12/23/2022	Interest	46647PCK0	1,565,000.00	JP Morgan Chase & Co Callable Note Cont 6/23/2024 0.969% Due 6/23/2025	0.00	7,582.43	7,582.43
12/25/2022	Interest	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	0.00	11,328.63	11,328.63
12/25/2022	Interest	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	0.00	11,021.87	11,021.87
12/25/2022	Interest	3137BYPQ7	2,768,302.12	FHLMC K726 A2 2.905% Due 4/25/2024	0.00	6,701.60	6,701.60
12/25/2022	Paydown	05601XAC3	1,000,000.00	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	0.00	916.67	916.67
12/25/2022	Paydown	05602RAD3	1,065,000.00	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	0.00	2,848.88	2,848.88
12/25/2022	Paydown	09690AAC7	950,000.00	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	0.00	261.25	261.25
12/25/2022	Paydown	3137B4WB8	3,350,000.00	FHLMC K033 A2 3.06% Due 7/25/2023	0.00	8,542.50	8,542.50
12/25/2022	Paydown	3137BSP72	1,500,000.00	FHLMC K058 A2 2.653% Due 8/25/2026	0.00	3,316.25	3,316.25
12/25/2022	Paydown	3137BSRE5	3,000,000.00	FHLMC K059 A2 3.12% Due 9/25/2026	0.00	7,800.00	7,800.00
12/31/2022	Interest	912828XX3	4,900,000.00	US Treasury Note 2% Due 6/30/2024	0.00	49,000.00	49,000.00
12/31/2022	Interest	91282CEW7	6,650,000.00	US Treasury Note 3.25% Due 6/30/2027	0.00	108,062.50	108,062.50
12/31/2022	Interest	912828V23	4,500,000.00	US Treasury Note 2.25% Due 12/31/2023	0.00	50,625.00	50,625.00
DEC 2022					725,468.96	545,901.38	1,271,370.34
01/01/2023	Interest	66815L2J7	2,350,000.00	Northwestern Mutual Gbl Note 4% Due 7/1/2025	0.00	47,000.00	47,000.00
01/01/2023	Paydown	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	2,077.33	1.22	2,078.55

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01/07/2023	Interest	3135G0X24	4,220,000.00	FNMA Note 1.625% Due 1/7/2025	0.00	34,287.50	34,287.50
01/09/2023	Interest	06367TQW3	1,500,000.00	Bank of Montreal Note 0.625% Due 7/9/2024	0.00	4,687.50	4,687.50
01/11/2023	Interest	59217GER6	2,485,000.00	Metlife Note 1.875% Due 1/11/2027	0.00	23,296.88	23,296.88
01/13/2023	Interest	89236TJT3	2,700,000.00	Toyota Motor Credit Corp Note 1.45% Due 1/13/2025	0.00	19,575.00	19,575.00
01/14/2023	Interest	66815L2A6	1,870,000.00	Northwestern Mutual Gbl Note 0.8% Due 1/14/2026	0.00	7,480.00	7,480.00
01/14/2023	Interest	64952WEK5	3,745,000.00	New York Life Global Note 1.45% Due 1/14/2025	0.00	27,151.25	27,151.25
01/15/2023	Interest	79466LAG9	3,100,000.00	Salesforce.com Inc Callable Note Cont 7/15/2022 0.625% Due 7/15/2024	0.00	9,687.51	9,687.51
01/15/2023	Paydown	89236XAC0	817,171.58	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	30,304.07	211.66	30,515.73
01/15/2023	Paydown	43813DAC2	433,958.18	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	19,624.39	256.36	19,880.75
01/15/2023	Paydown	44891RAC4	1,308,412.48	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	76,824.37	341.40	77,165.77
01/15/2023	Paydown	47789KAC7	743,797.80	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	31,631.05	595.31	32,226.36
01/15/2023	Paydown	02582JIT8	2,765,000.00	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	0.00	7,811.13	7,811.13
01/15/2023	Paydown	44891WAC3	1,205,000.00	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	0.00	1,164.83	1,164.83
01/15/2023	Paydown	448977AD0	1,350,000.00	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	0.00	2,497.50	2,497.50
01/15/2023	Paydown	44933LAC7	1,340,000.00	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	70,365.97	379.79	70,745.76
01/15/2023	Paydown	44935FAD6	730,000.00	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	0.00	450.17	450.17
01/15/2023	Paydown	47787NAC3	367,818.27	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	22,948.13	127.09	23,075.22

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
01/15/2023	Paydown	47789QAC4	1,290,000.00	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	0.00	559.00	559.00
01/15/2023	Paydown	65479JAD5	481,146.87	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	21,502.57	670.56	22,173.13
01/15/2023	Paydown	89240BAC2	2,387,521.41	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 5/15/2025	132,403.05	431.29	132,834.34
01/15/2023	Paydown	44891VAC5	1,900,000.00	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	0.00	522.50	522.50
01/15/2023	Paydown	47787JAC2	1,010,000.00	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	0.00	1,952.67	1,952.67
01/15/2023	Paydown	43815BAC4	1,650,000.00	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	0.00	2,585.00	2,585.00
01/15/2023	Paydown	477870AC3	57,130.34	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	3,776.97	84.43	3,861.40
01/15/2023	Paydown	58769EAC2	493,392.53	Mercedes-Benz Auto Lease Trust 2020-B A3 0.4% Due 11/15/2023	121,603.81	40.53	121,644.34
01/15/2023	Paydown	89238JAC9	955,000.00	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	0.00	565.04	565.04
01/16/2023	Interest	57629WDE7	2,272,000.00	Mass Mutual Global funding Note 1.2% Due 7/16/2026	0.00	13,632.00	13,632.00
01/16/2023	Paydown	362554AC1	780,000.00	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	0.00	442.00	442.00
01/16/2023	Paydown	380146AC4	660,000.00	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	0.00	693.00	693.00
01/17/2023	Interest	24422EVN6	2,140,000.00	John Deere Capital Corp Note 0.45% Due 1/17/2024	0.00	4,815.00	4,815.00
01/18/2023	Paydown	43813KAC6	1,071,619.58	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	76,461.65	259.73	76,721.38
01/20/2023	Paydown	92348KAV5	1,150,000.00	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	0.00	3,565.00	3,565.00
01/20/2023	Paydown	36262XAC8	2,145,000.00	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	0.00	697.13	697.13
01/20/2023	Paydown	36265MAC9	2,105,000.00	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	0.00	3,332.92	3,332.92

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
01/20/2023	Paydown	92290BAA9	1,988,658.86	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	68,279.32	698.73	68,978.05
01/20/2023	Paydown	89238LAC4	2,565,000.00	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	0.00	4,189.50	4,189.50
01/20/2023	Paydown	92348AAA3	235,209.80	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	11,588.96	324.30	11,913.26
01/21/2023	Interest	90331HPL1	4,145,000.00	US Bank NA Callable Note Cont 12/21/2024 2.05% Due 1/21/2025	0.00	42,486.25	42,486.25
01/21/2023	Interest	3137EAEU9	6,300,000.00	FHLMC Note 0.375% Due 7/21/2025	0.00	11,812.50	11,812.50
01/21/2023	Paydown	43815GAC3	1,025,000.00	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	0.00	751.67	751.67
01/21/2023	Paydown	43813GAC5	671,191.40	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	37,238.86	125.89	37,364.75
01/25/2023	Interest	3137BYPQ7	2,768,302.12	FHLMC K726 A2 2.905% Due 4/25/2024	0.00	6,701.60	6,701.60
01/25/2023	Interest	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	0.00	11,328.63	11,328.63
01/25/2023	Interest	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	0.00	11,015.77	11,015.77
01/25/2023	Paydown	05601XAC3	1,000,000.00	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	0.00	916.67	916.67
01/25/2023	Paydown	3137B4WB8	3,350,000.00	FHLMC K033 A2 3.06% Due 7/25/2023	0.00	8,542.50	8,542.50
01/25/2023	Paydown	3137BSRE5	3,000,000.00	FHLMC K059 A2 3.12% Due 9/25/2026	0.00	7,800.00	7,800.00
01/25/2023	Paydown	05602RAD3	1,065,000.00	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	0.00	2,848.88	2,848.88
01/25/2023	Paydown	09690AAC7	950,000.00	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	79,061.50	261.25	79,322.75
01/25/2023	Paydown	3137BSP72	1,500,000.00	FHLMC K058 A2 2.653% Due 8/25/2026	0.00	3,316.25	3,316.25
01/31/2023	Interest	91282CAB7	6,000,000.00	US Treasury Note 0.25% Due 7/31/2025	0.00	7,500.00	7,500.00

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01/31/2023	Interest	91282CFB2	1,300,000.00	US Treasury Note 2.75% Due 7/31/2027	0.00	17,875.00	17,875.00
JAN 2023					805,692.00	360,345.29	1,166,037.29
02/01/2023	Paydown	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	8,430.84	4.95	8,435.79
02/12/2023	Interest	3137EAEP0	6,575,000.00	FHLMC Note 1.5% Due 2/12/2025	0.00	49,312.50	49,312.50
02/14/2023	Maturity	78012U3M5	500,000.00	Royal Bank of Canada Yankee CD 1.35% Due 2/14/2023	500,000.00	6,843.75	506,843.75
02/15/2023	Interest	912828D56	5,000,000.00	US Treasury Note 2.375% Due 8/15/2024	0.00	59,375.00	59,375.00
02/15/2023	Interest	69371RQ25	715,000.00	Paccar Financial Corp Note 2.15% Due 8/15/2024	0.00	7,686.25	7,686.25
02/15/2023	Interest	912828B66	5,000,000.00	US Treasury Note 2.75% Due 2/15/2024	0.00	68,750.00	68,750.00
02/15/2023	Paydown	43815BAC4	1,650,000.00	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	0.00	2,585.00	2,585.00
02/15/2023	Paydown	477870AC3	57,130.34	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	3,784.83	77.48	3,862.31
02/15/2023	Paydown	89238JAC9	955,000.00	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	0.00	565.04	565.04
02/15/2023	Paydown	89240BAC2	2,387,521.41	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 5/15/2025	132,446.08	402.60	132,848.68
02/15/2023	Paydown	02582JIT8	2,765,000.00	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	0.00	7,811.13	7,811.13
02/15/2023	Paydown	44891VAC5	1,900,000.00	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	237,423.81	522.50	237,946.31
02/15/2023	Paydown	47787NAC3	367,818.27	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	22,957.12	117.33	23,074.45
02/15/2023	Paydown	47789QAC4	1,290,000.00	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	0.00	559.00	559.00
02/15/2023	Paydown	44891RAC4	1,308,412.48	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	76,852.54	317.07	77,169.61

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02/15/2023	Paydown	44933LAC7	1,340,000.00	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	70,388.83	357.51	70,746.34
02/15/2023	Paydown	65479JAD5	481,146.87	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	21,550.95	635.98	22,186.93
02/15/2023	Paydown	43813DAC2	433,958.18	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	19,637.80	242.95	19,880.75
02/15/2023	Paydown	44891WAC3	1,205,000.00	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	0.00	1,164.83	1,164.83
02/15/2023	Paydown	448977AD0	1,350,000.00	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	0.00	2,497.50	2,497.50
02/15/2023	Paydown	44935FAD6	730,000.00	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	0.00	450.17	450.17
02/15/2023	Paydown	47787JAC2	1,010,000.00	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	0.00	1,952.67	1,952.67
02/15/2023	Paydown	47789KAC7	743,797.80	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	31,718.04	566.31	32,284.35
02/15/2023	Paydown	89236XAC0	817,171.58	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	30,205.91	202.82	30,408.73
02/16/2023	Paydown	362554AC1	780,000.00	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	0.00	442.00	442.00
02/16/2023	Paydown	380146AC4	660,000.00	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	0.00	693.00	693.00
02/18/2023	Paydown	43813KAC6	1,071,619.58	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	76,485.22	236.16	76,721.38
02/20/2023	Paydown	92348KAV5	1,150,000.00	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	0.00	3,565.00	3,565.00
02/20/2023	Paydown	89238LAC4	2,565,000.00	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	0.00	4,189.50	4,189.50
02/20/2023	Paydown	92348AAA3	235,209.80	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	11,615.03	305.57	11,920.60
02/20/2023	Paydown	36262XAC8	2,145,000.00	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	0.00	697.13	697.13
02/20/2023	Paydown	36265MAC9	2,105,000.00	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	0.00	3,332.92	3,332.92

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
02/20/2023	Paydown	92290BAA9	1,988,658.86	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	68,306.07	671.98	68,978.05
02/21/2023	Paydown	43813GAC5	671,191.40	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	37,247.85	117.52	37,365.37
02/21/2023	Paydown	43815GAC3	1,025,000.00	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	0.00	751.67	751.67
02/25/2023	Interest	3135G05X7	6,285,000.00	FNMA Note 0.375% Due 8/25/2025	0.00	11,784.38	11,784.38
02/25/2023	Interest	3137B7M29	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	0.00	10,990.99	10,990.99
02/25/2023	Interest	3137BY PQ7	2,768,302.12	FHLMC K726 A2 2.905% Due 4/25/2024	0.00	6,701.60	6,701.60
02/25/2023	Interest	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	0.00	11,328.63	11,328.63
02/25/2023	Paydown	3137BSRE5	3,000,000.00	FHLMC K059 A2 3.12% Due 9/25/2026	0.00	7,800.00	7,800.00
02/25/2023	Paydown	05601XAC3	1,000,000.00	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	0.00	916.67	916.67
02/25/2023	Paydown	09690AAC7	950,000.00	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	79,080.60	239.51	79,320.11
02/25/2023	Paydown	05602RAD3	1,065,000.00	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	0.00	2,848.88	2,848.88
02/25/2023	Paydown	3137B4WB8	3,350,000.00	FHLMC K033 A2 3.06% Due 7/25/2023	554,066.91	8,542.50	562,609.41
02/25/2023	Paydown	3137BSP72	1,500,000.00	FHLMC K058 A2 2.653% Due 8/25/2026	0.00	3,316.25	3,316.25
02/28/2023	Interest	91282CFH9	3,450,000.00	US Treasury Note 3.125% Due 8/31/2027	0.00	53,906.25	53,906.25
02/28/2023	Interest	912828ZC7	7,000,000.00	US Treasury Note 1.125% Due 2/28/2025	0.00	39,375.00	39,375.00
02/28/2023	Interest	91282CCW9	1,570,000.00	US Treasury Note 0.75% Due 8/31/2026	0.00	5,887.50	5,887.50
FEB 2023					1,982,198.43	391,640.95	2,373,839.38

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03/01/2023	Paydown	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	9,944.06	5.85	9,949.91
03/03/2023	Interest	808513BY0	1,300,000.00	Charles Schwab Corp Callable Note Cont 2/3/2027 2.45% Due 3/3/2027	0.00	15,925.00	15,925.00
03/08/2023	Interest	3130AB3H7	4,000,000.00	FHLB Note 2.375% Due 3/8/2024	0.00	47,500.00	47,500.00
03/10/2023	Interest	89114TZT2	1,900,000.00	Toronto-Dominion Bank Note 2.8% Due 3/10/2027	0.00	26,600.00	26,600.00
03/13/2023	Interest	3130A2UW4	4,000,000.00	FHLB Note 2.875% Due 9/13/2024	0.00	57,500.00	57,500.00
03/14/2023	Interest	58989V2D5	1,715,000.00	Met Tower Global Funding Note 1.25% Due 9/14/2026	0.00	10,718.75	10,718.75
03/15/2023	Interest	91282CBR1	2,900,000.00	US Treasury Note 0.25% Due 3/15/2024	0.00	3,625.00	3,625.00
03/15/2023	Interest	91282CED9	7,000,000.00	US Treasury Note 1.75% Due 3/15/2025	0.00	61,250.00	61,250.00
03/15/2023	Paydown	43813DAC2	433,958.18	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	19,651.22	229.53	19,880.75
03/15/2023	Paydown	44935FAD6	730,000.00	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	0.00	450.17	450.17
03/15/2023	Paydown	47787JAC2	1,010,000.00	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	0.00	1,952.67	1,952.67
03/15/2023	Paydown	47789KAC7	743,797.80	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	31,805.26	537.24	32,342.50
03/15/2023	Paydown	89236XAC0	817,171.58	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	30,106.71	194.01	30,300.72
03/15/2023	Paydown	44891WAC3	1,205,000.00	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	0.00	1,164.83	1,164.83
03/15/2023	Paydown	448977AD0	1,350,000.00	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	0.00	2,497.50	2,497.50
03/15/2023	Paydown	44933LAC7	1,340,000.00	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	70,411.71	335.22	70,746.93
03/15/2023	Paydown	65479JAD5	481,146.87	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	21,599.43	601.32	22,200.75

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03/15/2023	Paydown	89238JAC9	955,000.00	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	0.00	565.04	565.04
03/15/2023	Paydown	44891RAC4	1,308,412.48	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	76,880.71	292.74	77,173.45
03/15/2023	Paydown	44891VAC5	1,900,000.00	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	237,445.57	457.21	237,902.78
03/15/2023	Paydown	02582JIT8	2,765,000.00	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	0.00	7,811.13	7,811.13
03/15/2023	Paydown	43815BAC4	1,650,000.00	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	0.00	2,585.00	2,585.00
03/15/2023	Paydown	477870AC3	57,130.34	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	3,792.71	70.51	3,863.22
03/15/2023	Paydown	47787NAC3	367,818.27	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	22,966.11	107.58	23,073.69
03/15/2023	Paydown	47789QAC4	1,290,000.00	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	0.00	559.00	559.00
03/15/2023	Paydown	89240BAC2	2,387,521.41	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 5/15/2025	132,489.12	373.91	132,863.03
03/16/2023	Paydown	362554AC1	780,000.00	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	0.00	442.00	442.00
03/16/2023	Paydown	380146AC4	660,000.00	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	0.00	693.00	693.00
03/17/2023	Interest	931142ER0	785,000.00	Wal-Mart Stores Callable Note Cont 08/17/2026 1.05% Due 9/17/2026	0.00	4,121.25	4,121.25
03/18/2023	Interest	808513BN4	1,775,000.00	Charles Schwab Corp Callable Note Cont 2/18/2024 0.75% Due 3/18/2024	0.00	6,656.25	6,656.25
03/18/2023	Paydown	43813KAC6	1,071,619.58	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	76,508.81	212.57	76,721.38
03/19/2023	Paydown	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	152,200.67	358.28	152,558.95
03/20/2023	Paydown	92348KAV5	1,150,000.00	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	0.00	3,565.00	3,565.00
03/20/2023	Paydown	36262XAC8	2,145,000.00	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	194,805.07	697.13	195,502.20

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
03/20/2023	Paydown	36265MAC9	2,105,000.00	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	0.00	3,332.92	3,332.92
03/20/2023	Paydown	92290BAA9	1,988,658.86	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	68,332.82	645.23	68,978.05
03/20/2023	Paydown	92348AAA3	235,209.80	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	11,641.17	286.79	11,927.96
03/20/2023	Paydown	89238LAC4	2,565,000.00	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	0.00	4,189.50	4,189.50
03/21/2023	Paydown	43813GAC5	671,191.40	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	37,256.86	109.13	37,365.99
03/21/2023	Paydown	43815GAC3	1,025,000.00	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	0.00	751.67	751.67
03/23/2023	Interest	3137EAEX3	6,295,000.00	FHLMC Note 0.375% Due 9/23/2025	0.00	11,803.13	11,803.13
03/25/2023	Interest	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	0.00	10,961.76	10,961.76
03/25/2023	Interest	3137BYPQ7	2,768,302.12	FHLMC K726 A2 2.905% Due 4/25/2024	0.00	6,701.60	6,701.60
03/25/2023	Interest	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	0.00	10,880.77	10,880.77
03/25/2023	Paydown	09690AAC7	950,000.00	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	79,099.71	217.76	79,317.47
03/25/2023	Paydown	3137B4WB8	3,350,000.00	FHLMC K033 A2 3.06% Due 7/25/2023	555,766.51	7,129.63	562,896.14
03/25/2023	Paydown	3137BSRE5	3,000,000.00	FHLMC K059 A2 3.12% Due 9/25/2026	0.00	7,800.00	7,800.00
03/25/2023	Paydown	05601XAC3	1,000,000.00	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	0.00	916.67	916.67
03/25/2023	Paydown	3137BSP72	1,500,000.00	FHLMC K058 A2 2.653% Due 8/25/2026	0.00	3,316.25	3,316.25
03/25/2023	Paydown	05602RAD3	1,065,000.00	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	0.00	2,848.88	2,848.88
03/31/2023	Interest	91282CAM3	3,200,000.00	US Treasury Note 0.25% Due 9/30/2025	0.00	4,000.00	4,000.00

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03/31/2023	Interest	91282CCZ2	3,130,000.00	US Treasury Note 0.875% Due 9/30/2026	0.00	13,693.75	13,693.75
MAR 2023					1,832,704.23	350,240.13	2,182,944.36
04/01/2023	Interest	13063DRK6	3,385,000.00	California State Taxable GO 2.4% Due 10/1/2024	0.00	40,620.00	40,620.00
04/01/2023	Paydown	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	27,423.72	16.12	27,439.84
04/07/2023	Interest	69371RR73	2,970,000.00	Paccar Financial Corp Note 2.85% Due 4/7/2025	0.00	42,322.50	42,322.50
04/14/2023	Interest	78016EZ59	1,270,000.00	Royal Bank of Canada Note 3.375% Due 4/14/2025	0.00	21,431.25	21,431.25
04/15/2023	Interest	3135G0W66	3,500,000.00	FNMA Note 1.625% Due 10/15/2024	0.00	28,437.50	28,437.50
04/15/2023	Paydown	44891RAC4	1,308,412.48	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	76,908.91	268.39	77,177.30
04/15/2023	Paydown	44891VAC5	1,900,000.00	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	237,467.34	391.91	237,859.25
04/15/2023	Paydown	44933LAC7	1,340,000.00	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	70,434.60	312.92	70,747.52
04/15/2023	Paydown	47787NAC3	367,818.27	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	22,975.10	97.82	23,072.92
04/15/2023	Paydown	47789QAC4	1,290,000.00	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	0.00	559.00	559.00
04/15/2023	Paydown	65479JAD5	481,146.87	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	21,648.03	566.58	22,214.61
04/15/2023	Paydown	89240BAC2	2,387,521.41	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 5/15/2025	132,532.18	345.20	132,877.38
04/15/2023	Paydown	02582JIT8	2,765,000.00	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	0.00	7,811.13	7,811.13
04/15/2023	Paydown	43813DAC2	433,958.18	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	19,664.64	216.11	19,880.75
04/15/2023	Paydown	43815BAC4	1,650,000.00	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	0.00	2,585.00	2,585.00

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04/15/2023	Paydown	477870AC3	57,130.34	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	3,800.62	63.52	3,864.14
04/15/2023	Paydown	47789KAC7	743,797.80	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	31,892.72	508.08	32,400.80
04/15/2023	Paydown	89236XAC0	817,171.58	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	30,006.48	185.23	30,191.71
04/15/2023	Paydown	44891WAC3	1,205,000.00	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	0.00	1,164.83	1,164.83
04/15/2023	Paydown	448977AD0	1,350,000.00	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	0.00	2,497.50	2,497.50
04/15/2023	Paydown	44935FAD6	730,000.00	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	0.00	450.17	450.17
04/15/2023	Paydown	47787JAC2	1,010,000.00	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	0.00	1,952.67	1,952.67
04/15/2023	Paydown	89238JAC9	955,000.00	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	0.00	565.04	565.04
04/16/2023	Paydown	362554AC1	780,000.00	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	0.00	442.00	442.00
04/16/2023	Paydown	380146AC4	660,000.00	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	0.00	693.00	693.00
04/18/2023	Paydown	43813KAC6	1,071,619.58	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	76,532.40	188.98	76,721.38
04/19/2023	Paydown	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	9,114.10	21.45	9,135.55
04/20/2023	Interest	4581X0DV7	6,390,000.00	Inter-American Dev Bank Note 0.875% Due 4/20/2026	0.00	27,956.25	27,956.25
04/20/2023	Paydown	89238LAC4	2,565,000.00	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	0.00	4,189.50	4,189.50
04/20/2023	Paydown	92348AAA3	235,209.80	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	11,667.36	267.97	11,935.33
04/20/2023	Paydown	92348KAV5	1,150,000.00	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	0.00	3,565.00	3,565.00
04/20/2023	Paydown	36262XAC8	2,145,000.00	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	194,844.04	633.81	195,477.85

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04/20/2023	Paydown	36265MAC9	2,105,000.00	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	0.00	3,332.92	3,332.92
04/20/2023	Paydown	92290BAA9	1,988,658.86	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	68,359.58	618.47	68,978.05
04/21/2023	Paydown	43815GAC3	1,025,000.00	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	0.00	751.67	751.67
04/21/2023	Paydown	43813GAC5	671,191.40	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	37,265.86	100.75	37,366.61
04/22/2023	Interest	3135G03U5	5,270,000.00	FNMA Note 0.625% Due 4/22/2025	0.00	16,468.75	16,468.75
04/22/2023	Interest	46647PBK1	1,000,000.00	JP Morgan Chase & Co Callable Note Cont 4/22/2025 2.083% Due 4/22/2026	0.00	10,415.00	10,415.00
04/23/2023	Interest	06051GHT9	3,000,000.00	Bank of America Corp Callable Note 1X 4/23/2026 3.559% Due 4/23/2027	0.00	53,385.01	53,385.01
04/25/2023	Interest	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	0.00	10,853.96	10,853.96
04/25/2023	Interest	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	0.00	10,881.16	10,881.16
04/25/2023	Paydown	3137BSRE5	3,000,000.00	FHLMC K059 A2 3.12% Due 9/25/2026	0.00	7,800.00	7,800.00
04/25/2023	Paydown	3137BYPQ7	2,768,302.12	FHLMC K726 A2 2.905% Due 4/25/2024	1,795.05	6,701.60	8,496.65
04/25/2023	Paydown	05602RAD3	1,065,000.00	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	0.00	2,848.88	2,848.88
04/25/2023	Paydown	3137B4WB8	3,350,000.00	FHLMC K033 A2 3.06% Due 7/25/2023	557,471.33	5,712.42	563,183.75
04/25/2023	Paydown	3137BSP72	1,500,000.00	FHLMC K058 A2 2.653% Due 8/25/2026	0.00	3,316.25	3,316.25
04/25/2023	Paydown	05601XAC3	1,000,000.00	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	0.00	916.67	916.67
04/25/2023	Paydown	09690AAC7	950,000.00	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	79,118.83	196.01	79,314.84
04/28/2023	Interest	6174468Q5	1,600,000.00	Morgan Stanley Callable Note Cont 4/28/2025 2.188% Due 4/28/2026	0.00	17,504.00	17,504.00

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04/28/2023	Interest	459058JL8	6,300,000.00	Intl. Bank Recon & Development Note 0.5% Due 10/28/2025	0.00	15,750.00	15,750.00
04/30/2023	Interest	9128283D0	4,000,000.00	US Treasury Note 2.25% Due 10/31/2024	0.00	45,000.00	45,000.00
04/30/2023	Interest	91282CDG3	3,120,000.00	US Treasury Note 1.125% Due 10/31/2026	0.00	17,550.00	17,550.00
04/30/2023	Interest	912828X70	4,800,000.00	US Treasury Note 2% Due 4/30/2024	0.00	48,000.00	48,000.00
04/30/2023	Interest	91282CAT8	6,000,000.00	US Treasury Note 0.25% Due 10/31/2025	0.00	7,500.00	7,500.00
APR 2023					1,710,922.89	476,929.95	2,187,852.84
05/01/2023	Interest	78015K7C2	3,600,000.00	Royal Bank of Canada Note 2.25% Due 11/1/2024	0.00	40,500.00	40,500.00
05/01/2023	Interest	06367WB85	2,761,000.00	Bank of Montreal Note 1.85% Due 5/1/2025	0.00	25,539.25	25,539.25
05/01/2023	Paydown	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	55,808.72	32.81	55,841.53
05/07/2023	Interest	3135G06G3	6,300,000.00	FNMA Note 0.5% Due 11/7/2025	0.00	15,750.00	15,750.00
05/08/2023	Interest	14913Q3B3	2,593,000.00	Caterpillar Finl Service Note 2.15% Due 11/8/2024	0.00	27,874.75	27,874.75
05/10/2023	Interest	665859AW4	1,345,000.00	Northern Trust Company Callable Note Cont 4/10/2027 4% Due 5/10/2027	0.00	26,900.00	26,900.00
05/12/2023	Interest	023135BX3	4,865,000.00	Amazon.com Inc Callable Note Cont 4/12/2026 1% Due 5/12/2026	0.00	24,325.00	24,325.00
05/13/2023	Interest	14913R2V8	1,460,000.00	Caterpillar Financial Service Note 3.4% Due 5/13/2025	0.00	24,820.00	24,820.00
05/15/2023	Interest	91324PEG3	1,365,000.00	United Health Group Inc Callable Note Cont 4/15/2027 3.7% Due 5/15/2027	0.00	25,252.50	25,252.50
05/15/2023	Interest	91324PEC2	805,000.00	United Health Group Inc Callable Note Cont 4/15/2026 1.15% Due 5/15/2026	0.00	4,628.75	4,628.75

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05/15/2023	Paydown	44891VAC5	1,900,000.00	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	237,489.11	326.61	237,815.72
05/15/2023	Paydown	44935FAD6	730,000.00	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	0.00	450.17	450.17
05/15/2023	Paydown	47787JAC2	1,010,000.00	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	0.00	1,952.67	1,952.67
05/15/2023	Paydown	43815BAC4	1,650,000.00	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	0.00	2,585.00	2,585.00
05/15/2023	Paydown	477870AC3	57,130.34	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	3,808.54	56.52	3,865.06
05/15/2023	Paydown	89238JAC9	955,000.00	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	43,140.03	565.04	43,705.07
05/15/2023	Paydown	02582JIT8	2,765,000.00	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	0.00	7,811.13	7,811.13
05/15/2023	Paydown	44891WAC3	1,205,000.00	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	0.00	1,164.83	1,164.83
05/15/2023	Paydown	448977AD0	1,350,000.00	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	0.00	2,497.50	2,497.50
05/15/2023	Paydown	44933LAC7	1,340,000.00	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	70,457.48	290.62	70,748.10
05/15/2023	Paydown	47787NAC3	367,818.27	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	22,984.11	88.05	23,072.16
05/15/2023	Paydown	47789QAC4	1,290,000.00	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	56,030.42	559.00	56,589.42
05/15/2023	Paydown	65479JAD5	481,146.87	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	21,696.75	531.76	22,228.51
05/15/2023	Paydown	89240BAC2	2,387,521.41	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 5/15/2025	132,575.26	316.48	132,891.74
05/15/2023	Paydown	43813DAC2	433,958.18	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	19,678.08	202.67	19,880.75
05/15/2023	Paydown	44891RAC4	1,308,412.48	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	76,937.10	244.04	77,181.14
05/15/2023	Paydown	47789KAC7	743,797.80	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	31,980.44	478.84	32,459.28

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05/15/2023	Paydown	89236XAC0	817,171.58	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	29,905.20	176.48	30,081.68
05/16/2023	Paydown	362554AC1	780,000.00	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	0.00	442.00	442.00
05/16/2023	Paydown	380146AC4	660,000.00	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	0.00	693.00	693.00
05/18/2023	Interest	22160KAM7	2,500,000.00	Costco Wholesale Corp Callable Note Cont 2/18/2027 3% Due 5/18/2027	0.00	37,500.00	37,500.00
05/18/2023	Paydown	43813KAC6	1,071,619.58	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	76,555.99	165.39	76,721.38
05/19/2023	Paydown	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	669,494.27	1,575.99	671,070.26
05/20/2023	Paydown	89238LAC4	2,565,000.00	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	0.00	4,189.50	4,189.50
05/20/2023	Paydown	36262XAC8	2,145,000.00	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	194,883.01	570.49	195,453.50
05/20/2023	Paydown	36265MAC9	2,105,000.00	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	0.00	3,332.92	3,332.92
05/20/2023	Paydown	92348AAA3	235,209.80	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	11,693.61	249.11	11,942.72
05/20/2023	Paydown	92348KAV5	1,150,000.00	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	0.00	3,565.00	3,565.00
05/20/2023	Paydown	92290BAA9	1,988,658.86	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	68,386.36	591.69	68,978.05
05/21/2023	Paydown	43815GAC3	1,025,000.00	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	46,476.86	751.67	47,228.53
05/21/2023	Paydown	43813GAC5	671,191.40	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	37,274.87	92.37	37,367.24
05/25/2023	Interest	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	0.00	8,883.97	8,883.97
05/25/2023	Interest	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	0.00	10,717.13	10,717.13

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
05/25/2023	Paydown	3137BSRE5	3,000,000.00	FHLMC K059 A2 3.12% Due 9/25/2026	0.00	7,800.00	7,800.00
05/25/2023	Paydown	3137BYPQ7	2,768,302.12	FHLMC K726 A2 2.905% Due 4/25/2024	3,305.12	6,697.25	10,002.37
05/25/2023	Paydown	05601XAC3	1,000,000.00	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	90,444.13	916.67	91,360.80
05/25/2023	Paydown	3137B4WB8	3,350,000.00	FHLMC K033 A2 3.06% Due 7/25/2023	559,181.37	4,290.87	563,472.24
05/25/2023	Paydown	05602RAD3	1,065,000.00	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	0.00	2,848.88	2,848.88
05/25/2023	Paydown	09690AAC7	950,000.00	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	79,137.95	174.25	79,312.20
05/25/2023	Paydown	3137BSP72	1,500,000.00	FHLMC K058 A2 2.653% Due 8/25/2026	0.00	3,316.25	3,316.25
05/31/2023	Interest	91282CAZ4	3,800,000.00	US Treasury Note 0.375% Due 11/30/2025	0.00	7,125.00	7,125.00
05/31/2023	Interest	91282CET4	2,400,000.00	US Treasury Note 2.625% Due 5/31/2027	0.00	31,500.00	31,500.00
MAY 2023					2,639,324.78	373,909.87	3,013,234.65
06/01/2023	Interest	46647PCH7	3,295,000.00	JP Morgan Chase & Co Callable Note Cont 6/1/2024 0.824% Due 6/1/2025	0.00	13,575.40	13,575.40
06/01/2023	Paydown	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	210,721.53	123.87	210,845.40
06/06/2023	Interest	74153WCQ0	1,975,000.00	Pricoa Global Funding Note 1.15% Due 12/6/2024	0.00	11,356.25	11,356.25
06/08/2023	Interest	89115A2C5	1,400,000.00	Toronto-Dominion Bank Note 4.108% Due 6/8/2027	0.00	28,756.00	28,756.00
06/10/2023	Interest	40139LBC6	3,000,000.00	Guardian Life Glob Fun Note 0.875% Due 12/10/2025	0.00	13,125.00	13,125.00
06/14/2023	Interest	3130A1XJ2	5,500,000.00	FHLB Note 2.875% Due 6/14/2024	0.00	79,062.51	79,062.51
06/15/2023	Interest	63743HFE7	940,000.00	National Rural Utilities Note 3.45% Due 6/15/2025	0.00	16,215.00	16,215.00

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06/15/2023	Paydown	89240BAC2	2,387,521.41	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 5/15/2025	132,618.34	287.76	132,906.10
06/15/2023	Paydown	02582JIT8	2,765,000.00	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	0.00	7,811.13	7,811.13
06/15/2023	Paydown	44891VAC5	1,900,000.00	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	237,510.88	261.30	237,772.18
06/15/2023	Paydown	47787NAC3	367,818.27	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	22,993.11	78.28	23,071.39
06/15/2023	Paydown	47789QAC4	1,290,000.00	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	56,035.56	534.72	56,570.28
06/15/2023	Paydown	43815BAC4	1,650,000.00	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	0.00	2,585.00	2,585.00
06/15/2023	Paydown	477870AC3	57,130.34	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	3,816.47	49.51	3,865.98
06/15/2023	Paydown	89238JAC9	955,000.00	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	43,165.55	539.52	43,705.07
06/15/2023	Paydown	43813DAC2	433,958.18	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	19,691.53	189.22	19,880.75
06/15/2023	Paydown	44891WAC3	1,205,000.00	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	0.00	1,164.83	1,164.83
06/15/2023	Paydown	448977AD0	1,350,000.00	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	0.00	2,497.50	2,497.50
06/15/2023	Paydown	44935FAD6	730,000.00	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	36,442.24	450.17	36,892.41
06/15/2023	Paydown	47787JAC2	1,010,000.00	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	0.00	1,952.67	1,952.67
06/15/2023	Paydown	47789KAC7	743,797.80	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	32,068.38	449.53	32,517.91
06/15/2023	Paydown	89236XAC0	817,171.58	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	29,802.87	167.75	29,970.62
06/15/2023	Paydown	44891RAC4	1,308,412.48	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	76,965.32	219.67	77,184.99
06/15/2023	Paydown	44933LAC7	1,340,000.00	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	70,480.39	268.30	70,748.69

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06/15/2023	Paydown	65479JAD5	481,146.87	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	21,745.57	496.86	22,242.43
06/16/2023	Paydown	362554AC1	780,000.00	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	0.00	442.00	442.00
06/16/2023	Paydown	380146AC4	660,000.00	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	0.00	693.00	693.00
06/17/2023	Interest	3135G04Z3	6,200,000.00	FNMA Note 0.5% Due 6/17/2025	0.00	15,500.00	15,500.00
06/18/2023	Interest	89236TJK2	3,325,000.00	Toyota Motor Credit Corp Note 1.125% Due 6/18/2026	0.00	18,703.13	18,703.13
06/18/2023	Paydown	43813KAC6	1,071,619.58	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	76,579.60	141.78	76,721.38
06/19/2023	Interest	06051GJD2	3,000,000.00	Bank of America Corp Callable Note Cont 6/19/2025 1.319% Due 6/19/2026	0.00	19,785.00	19,785.00
06/19/2023	Paydown	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	6,871.48	16.18	6,887.66
06/20/2023	Interest	3130AQF40	4,300,000.00	FHLB Note 1% Due 12/20/2024	0.00	21,500.00	21,500.00
06/20/2023	Paydown	89238LAC4	2,565,000.00	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	0.00	4,189.50	4,189.50
06/20/2023	Paydown	92348AAA3	235,209.80	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	11,719.93	230.20	11,950.13
06/20/2023	Paydown	36262XAC8	2,145,000.00	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	194,921.99	507.15	195,429.14
06/20/2023	Paydown	36265MAC9	2,105,000.00	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	0.00	3,332.92	3,332.92
06/20/2023	Paydown	92290BAA9	1,988,658.86	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	68,413.14	564.91	68,978.05
06/20/2023	Paydown	92348KAV5	1,150,000.00	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	0.00	3,565.00	3,565.00
06/21/2023	Paydown	43815GAC3	1,025,000.00	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	46,487.71	717.58	47,205.29
06/21/2023	Paydown	43813GAC5	671,191.40	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	37,283.88	83.98	37,367.86

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06/23/2023	Interest	46647PCK0	1,565,000.00	JP Morgan Chase & Co Callable Note Cont 6/23/2024 0.969% Due 6/23/2025	0.00	7,582.43	7,582.43
06/25/2023	Interest	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	0.00	8,863.75	8,863.75
06/25/2023	Interest	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	0.00	10,097.78	10,097.78
06/25/2023	Paydown	3137BYPQ7	2,768,302.12	FHLMC K726 A2 2.905% Due 4/25/2024	3,089.67	6,689.25	9,778.92
06/25/2023	Paydown	3137BSRE5	3,000,000.00	FHLMC K059 A2 3.12% Due 9/25/2026	0.00	7,800.00	7,800.00
06/25/2023	Paydown	05601XAC3	1,000,000.00	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	90,536.84	833.76	91,370.60
06/25/2023	Paydown	09690AAC7	950,000.00	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	79,157.07	152.49	79,309.56
06/25/2023	Paydown	05602RAD3	1,065,000.00	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	0.00	2,848.88	2,848.88
06/25/2023	Paydown	3137B4WB8	3,350,000.00	FHLMC K033 A2 3.06% Due 7/25/2023	560,896.66	2,864.96	563,761.62
06/25/2023	Paydown	3137BSP72	1,500,000.00	FHLMC K058 A2 2.653% Due 8/25/2026	0.00	3,316.25	3,316.25
06/30/2023	Interest	912828V23	4,500,000.00	US Treasury Note 2.25% Due 12/31/2023	0.00	50,625.00	50,625.00
06/30/2023	Interest	91282CEW7	6,650,000.00	US Treasury Note 3.25% Due 6/30/2027	0.00	108,062.50	108,062.50
06/30/2023	Interest	912828XX3	4,900,000.00	US Treasury Note 2% Due 6/30/2024	0.00	49,000.00	49,000.00
JUN 2023					2,170,015.71	530,927.13	2,700,942.84
07/01/2023	Interest	66815L2J7	2,350,000.00	Northwestern Mutual Gbl Note 4% Due 7/1/2025	0.00	47,000.00	47,000.00
07/01/2023	Paydown	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	263,474.72	154.88	263,629.60
07/07/2023	Interest	3135G0X24	4,220,000.00	FNMA Note 1.625% Due 1/7/2025	0.00	34,287.50	34,287.50

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07/09/2023	Interest	06367TQW3	1,500,000.00	Bank of Montreal Note 0.625% Due 7/9/2024	0.00	4,687.50	4,687.50
07/11/2023	Interest	59217GER6	2,485,000.00	Metlife Note 1.875% Due 1/11/2027	0.00	23,296.88	23,296.88
07/13/2023	Interest	89236TJT3	2,700,000.00	Toyota Motor Credit Corp Note 1.45% Due 1/13/2025	0.00	19,575.00	19,575.00
07/14/2023	Interest	64952WEK5	3,745,000.00	New York Life Global Note 1.45% Due 1/14/2025	0.00	27,151.25	27,151.25
07/14/2023	Interest	66815L2A6	1,870,000.00	Northwestern Mutual Gbl Note 0.8% Due 1/14/2026	0.00	7,480.00	7,480.00
07/15/2023	Interest	79466LAG9	3,100,000.00	Salesforce.com Inc Callable Note Cont 7/15/2022 0.625% Due 7/15/2024	0.00	9,687.51	9,687.51
07/15/2023	Paydown	89236XAC0	817,171.58	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	29,699.47	159.06	29,858.53
07/15/2023	Paydown	43813DAC2	433,958.18	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	19,704.98	175.77	19,880.75
07/15/2023	Paydown	44935FAD6	730,000.00	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	36,448.32	427.69	36,876.01
07/15/2023	Paydown	47787JAC2	1,010,000.00	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	0.00	1,952.67	1,952.67
07/15/2023	Paydown	47789KAC7	743,797.80	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	32,156.56	420.14	32,576.70
07/15/2023	Paydown	44891WAC3	1,205,000.00	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	0.00	1,164.83	1,164.83
07/15/2023	Paydown	448977AD0	1,350,000.00	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	0.00	2,497.50	2,497.50
07/15/2023	Paydown	44933LAC7	1,340,000.00	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	70,503.29	245.99	70,749.28
07/15/2023	Paydown	65479JAD5	481,146.87	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	21,794.49	461.89	22,256.38
07/15/2023	Paydown	89238JAC9	955,000.00	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	43,191.09	513.98	43,705.07
07/15/2023	Paydown	44891RAC4	1,308,412.48	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	76,993.54	195.30	77,188.84

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07/15/2023	Paydown	44891VAC5	1,900,000.00	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	237,532.65	195.98	237,728.63
07/15/2023	Paydown	02582JIT8	2,765,000.00	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	0.00	7,811.13	7,811.13
07/15/2023	Paydown	43815BAC4	1,650,000.00	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	0.00	2,585.00	2,585.00
07/15/2023	Paydown	477870AC3	57,130.34	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	3,824.42	42.48	3,866.90
07/15/2023	Paydown	47787NAC3	367,818.27	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	23,002.11	68.51	23,070.62
07/15/2023	Paydown	47789QAC4	1,290,000.00	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	56,040.69	510.44	56,551.13
07/15/2023	Paydown	89240BAC2	2,387,521.41	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 5/15/2025	132,661.44	259.03	132,920.47
07/16/2023	Interest	57629WDE7	2,272,000.00	Mass Mutual Global funding Note 1.2% Due 7/16/2026	0.00	13,632.00	13,632.00
07/16/2023	Paydown	362554AC1	780,000.00	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	37,056.26	442.00	37,498.26
07/16/2023	Paydown	380146AC4	660,000.00	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	0.00	693.00	693.00
07/17/2023	Interest	24422EVN6	2,140,000.00	John Deere Capital Corp Note 0.45% Due 1/17/2024	0.00	4,815.00	4,815.00
07/18/2023	Paydown	43813KAC6	1,071,619.58	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	76,603.21	118.17	76,721.38
07/19/2023	Paydown	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	1,351,013.40	3,180.29	1,354,193.69
07/20/2023	Paydown	92348KAV5	1,150,000.00	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	0.00	3,565.00	3,565.00
07/20/2023	Paydown	36262XAC8	2,145,000.00	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	194,960.97	443.80	195,404.77
07/20/2023	Paydown	36265MAC9	2,105,000.00	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	0.00	3,332.92	3,332.92
07/20/2023	Paydown	92348AAA3	235,209.80	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	11,746.30	211.25	11,957.55

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07/20/2023	Paydown	89238LAC4	2,565,000.00	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	0.00	4,189.50	4,189.50
07/20/2023	Paydown	92290BAA9	1,988,658.86	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	68,439.94	538.11	68,978.05
07/21/2023	Interest	3137EAEU9	6,300,000.00	FHLMC Note 0.375% Due 7/21/2025	0.00	11,812.50	11,812.50
07/21/2023	Interest	90331HPL1	4,145,000.00	US Bank NA Callable Note Cont 12/21/2024 2.05% Due 1/21/2025	0.00	42,486.25	42,486.25
07/21/2023	Paydown	43815GAC3	1,025,000.00	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	46,498.56	683.49	47,182.05
07/21/2023	Paydown	43813GAC5	671,191.40	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	37,292.89	75.59	37,368.48
07/25/2023	Interest	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	0.00	4,888.39	4,888.39
07/25/2023	Interest	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	0.00	9,323.38	9,323.38
07/25/2023	Paydown	3137BSP72	1,500,000.00	FHLMC K058 A2 2.653% Due 8/25/2026	0.00	3,316.25	3,316.25
07/25/2023	Paydown	3137BYPQ7	2,768,302.12	FHLMC K726 A2 2.905% Due 4/25/2024	3,327.87	6,681.77	10,009.64
07/25/2023	Paydown	05602RAD3	1,065,000.00	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	0.00	2,848.88	2,848.88
07/25/2023	Paydown	05601XAC3	1,000,000.00	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	90,629.64	750.77	91,380.41
07/25/2023	Paydown	3137BSRE5	3,000,000.00	FHLMC K059 A2 3.12% Due 9/25/2026	0.00	7,800.00	7,800.00
07/25/2023	Paydown	09690AAC7	950,000.00	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	79,176.20	130.72	79,306.92
07/25/2023	Paydown	3137B4WB8	3,350,000.00	FHLMC K033 A2 3.06% Due 7/25/2023	562,617.21	1,434.67	564,051.88
07/31/2023	Interest	91282CAB7	6,000,000.00	US Treasury Note 0.25% Due 7/31/2025	0.00	7,500.00	7,500.00
07/31/2023	Interest	91282CFB2	1,300,000.00	US Treasury Note 2.75% Due 7/31/2027	0.00	17,875.00	17,875.00

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JUL 2023					3,606,390.22	345,776.61	3,952,166.83
08/01/2023	Paydown	3137B7M29	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	916,673.48	538.85	917,212.33
08/12/2023	Interest	3137EAEP0	6,575,000.00	FHLMC Note 1.5% Due 2/12/2025	0.00	49,312.50	49,312.50
08/15/2023	Interest	69371RQ25	715,000.00	Paccar Financial Corp Note 2.15% Due 8/15/2024	0.00	7,686.25	7,686.25
08/15/2023	Interest	912828B66	5,000,000.00	US Treasury Note 2.75% Due 2/15/2024	0.00	68,750.00	68,750.00
08/15/2023	Interest	912828D56	5,000,000.00	US Treasury Note 2.375% Due 8/15/2024	0.00	59,375.00	59,375.00
08/15/2023	Paydown	02582JIT8	2,765,000.00	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	0.00	7,811.13	7,811.13
08/15/2023	Paydown	44891RAC4	1,308,412.48	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	77,021.77	170.92	77,192.69
08/15/2023	Paydown	44891VAC5	1,900,000.00	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	237,554.43	130.66	237,685.09
08/15/2023	Paydown	44933LAC7	1,340,000.00	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	70,526.20	223.66	70,749.86
08/15/2023	Paydown	47787NAC3	367,818.27	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	23,011.12	58.74	23,069.86
08/15/2023	Paydown	47789QAC4	1,290,000.00	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	56,045.84	486.15	56,531.99
08/15/2023	Paydown	89240BAC2	2,387,521.41	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 5/15/2025	132,704.56	230.28	132,934.84
08/15/2023	Paydown	43813DAC2	433,958.18	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	19,718.45	162.30	19,880.75
08/15/2023	Paydown	43815BAC4	1,650,000.00	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	0.00	2,585.00	2,585.00
08/15/2023	Paydown	477870AC3	57,130.34	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	3,832.39	35.44	3,867.83
08/15/2023	Paydown	47789KAC7	743,797.80	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	32,245.00	390.65	32,635.65

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08/15/2023	Paydown	89236XAC0	817,171.58	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	29,595.00	150.40	29,745.40
08/15/2023	Paydown	44891WAC3	1,205,000.00	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	133,203.07	1,164.83	134,367.90
08/15/2023	Paydown	448977AD0	1,350,000.00	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	0.00	2,497.50	2,497.50
08/15/2023	Paydown	44935FAD6	730,000.00	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	36,454.39	405.22	36,859.61
08/15/2023	Paydown	47787JAC2	1,010,000.00	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	0.00	1,952.67	1,952.67
08/15/2023	Paydown	65479JAD5	481,146.87	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	21,843.53	426.84	22,270.37
08/15/2023	Paydown	89238JAC9	955,000.00	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	43,216.65	488.42	43,705.07
08/16/2023	Paydown	362554AC1	780,000.00	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	37,064.91	421.00	37,485.91
08/16/2023	Paydown	380146AC4	660,000.00	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	0.00	693.00	693.00
08/18/2023	Paydown	43813KAC6	1,071,619.58	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	76,626.83	94.55	76,721.38
08/19/2023	Paydown	3137B5JM6	3,850,000.00	FHLMC K034 A2 3.531% Due 7/25/2023	1,661,306.08	3,910.71	1,665,216.79
08/20/2023	Paydown	92348KAV5	1,150,000.00	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	0.00	3,565.00	3,565.00
08/20/2023	Paydown	89238LAC4	2,565,000.00	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	0.00	4,189.50	4,189.50
08/20/2023	Paydown	92348AAA3	235,209.80	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	11,772.73	192.26	11,964.99
08/20/2023	Paydown	36262XAC8	2,145,000.00	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	194,999.96	380.44	195,380.40
08/20/2023	Paydown	36265MAC9	2,105,000.00	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	0.00	3,332.92	3,332.92
08/20/2023	Paydown	92290BAA9	1,988,658.86	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	68,466.74	511.31	68,978.05

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
08/21/2023	Paydown	43815GAC3	1,025,000.00	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	46,509.41	649.39	47,158.80
08/21/2023	Paydown	43813GAC5	671,191.40	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	37,301.90	67.20	37,369.10
08/25/2023	Interest	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	0.00	6,629.13	6,629.13
08/25/2023	Interest	3135G05X7	6,285,000.00	FNMA Note 0.375% Due 8/25/2025	0.00	11,784.38	11,784.38
08/25/2023	Paydown	3137BSRE5	3,000,000.00	FHLMC K059 A2 3.12% Due 9/25/2026	0.00	7,800.00	7,800.00
08/25/2023	Paydown	3137BYPQ7	2,768,302.12	FHLMC K726 A2 2.905% Due 4/25/2024	78,202.41	6,673.72	84,876.13
08/25/2023	Paydown	05602RAD3	1,065,000.00	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	0.00	2,848.88	2,848.88
08/25/2023	Paydown	3137BSP72	1,500,000.00	FHLMC K058 A2 2.653% Due 8/25/2026	0.00	3,316.25	3,316.25
08/25/2023	Paydown	05601XAC3	1,000,000.00	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	90,722.54	667.69	91,390.23
08/25/2023	Paydown	09690AAC7	950,000.00	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	79,195.34	108.95	79,304.29
08/31/2023	Interest	91282CCW9	1,570,000.00	US Treasury Note 0.75% Due 8/31/2026	0.00	5,887.50	5,887.50
08/31/2023	Interest	91282CFH9	3,450,000.00	US Treasury Note 3.125% Due 8/31/2027	0.00	53,906.25	53,906.25
08/31/2023	Interest	912828ZC7	7,000,000.00	US Treasury Note 1.125% Due 2/28/2025	0.00	39,375.00	39,375.00
AUG 2023					4,215,814.73	362,038.44	4,577,853.17
09/01/2023	Paydown	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	1,885,816.03	1,108.54	1,886,924.57
09/03/2023	Interest	808513BY0	1,300,000.00	Charles Schwab Corp Callable Note Cont 2/3/2027 2.45% Due 3/3/2027	0.00	15,925.00	15,925.00
09/08/2023	Interest	3130AB3H7	4,000,000.00	FHLB Note 2.375% Due 3/8/2024	0.00	47,500.00	47,500.00

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09/10/2023	Interest	89114TZT2	1,900,000.00	Toronto-Dominion Bank Note 2.8% Due 3/10/2027	0.00	26,600.00	26,600.00
09/13/2023	Interest	3130A2UW4	4,000,000.00	FHLB Note 2.875% Due 9/13/2024	0.00	57,500.00	57,500.00
09/14/2023	Interest	58989V2D5	1,715,000.00	Met Tower Global Funding Note 1.25% Due 9/14/2026	0.00	10,718.75	10,718.75
09/15/2023	Interest	91282CBR1	2,900,000.00	US Treasury Note 0.25% Due 3/15/2024	0.00	3,625.00	3,625.00
09/15/2023	Interest	91282CED9	7,000,000.00	US Treasury Note 1.75% Due 3/15/2025	0.00	61,250.00	61,250.00
09/15/2023	Paydown	43815BAC4	1,650,000.00	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	0.00	2,585.00	2,585.00
09/15/2023	Paydown	477870AC3	57,130.34	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	3,840.37	28.38	3,868.75
09/15/2023	Paydown	89238JAC9	955,000.00	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	43,242.22	462.85	43,705.07
09/15/2023	Paydown	44891VAC5	1,900,000.00	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	237,576.20	65.33	237,641.53
09/15/2023	Paydown	44935FAD6	730,000.00	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	36,460.46	382.74	36,843.20
09/15/2023	Paydown	47787JAC2	1,010,000.00	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	0.00	1,952.67	1,952.67
09/15/2023	Paydown	02582JIT8	2,765,000.00	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	0.00	7,811.13	7,811.13
09/15/2023	Paydown	44891WAC3	1,205,000.00	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	133,374.01	1,036.07	134,410.08
09/15/2023	Paydown	448977AD0	1,350,000.00	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	0.00	2,497.50	2,497.50
09/15/2023	Paydown	44933LAC7	1,340,000.00	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	70,549.12	201.33	70,750.45
09/15/2023	Paydown	47787NAC3	367,818.27	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	23,020.13	48.96	23,069.09
09/15/2023	Paydown	47789QAC4	1,290,000.00	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	56,050.97	461.87	56,512.84

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
09/15/2023	Paydown	65479JAD5	481,146.87	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	21,892.68	391.70	22,284.38
09/15/2023	Paydown	89240BAC2	2,387,521.41	Toyota Auto Receivables Owners 2021-A A3 0.26% Due 5/15/2025	132,747.69	201.53	132,949.22
09/15/2023	Paydown	43813DAC2	433,958.18	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	19,731.92	148.83	19,880.75
09/15/2023	Paydown	44891RAC4	1,308,412.48	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	77,050.01	146.53	77,196.54
09/15/2023	Paydown	47789KAC7	743,797.80	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	32,333.67	361.10	32,694.77
09/15/2023	Paydown	89236XAC0	817,171.58	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	29,489.45	141.77	29,631.22
09/16/2023	Paydown	362554AC1	780,000.00	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	37,073.56	400.00	37,473.56
09/16/2023	Paydown	380146AC4	660,000.00	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	31,107.64	693.00	31,800.64
09/17/2023	Interest	931142ER0	785,000.00	Wal-Mart Stores Callable Note Cont 08/17/2026 1.05% Due 9/17/2026	0.00	4,121.25	4,121.25
09/18/2023	Interest	808513BN4	1,775,000.00	Charles Schwab Corp Callable Note Cont 2/18/2024 0.75% Due 3/18/2024	0.00	6,656.25	6,656.25
09/18/2023	Paydown	43813KAC6	1,071,619.58	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	76,650.46	70.92	76,721.38
09/20/2023	Paydown	92348AAA3	235,209.80	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	11,799.21	173.23	11,972.44
09/20/2023	Paydown	92348KAV5	1,150,000.00	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	0.00	3,565.00	3,565.00
09/20/2023	Paydown	92290BAA9	1,988,658.86	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	68,493.56	484.49	68,978.05
09/20/2023	Paydown	36262XAC8	2,145,000.00	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	195,038.96	317.07	195,356.03
09/20/2023	Paydown	36265MAC9	2,105,000.00	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	262,182.49	3,332.92	265,515.41
09/20/2023	Paydown	89238LAC4	2,565,000.00	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	0.00	4,189.50	4,189.50

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Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
09/21/2023	Paydown	43813GAC5	671,191.40	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	37,310.91	58.81	37,369.72
09/21/2023	Paydown	43815GAC3	1,025,000.00	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	46,520.25	615.29	47,135.54
09/23/2023	Interest	3137EAEX3	6,295,000.00	FHLMC Note 0.375% Due 9/23/2025	0.00	11,803.13	11,803.13
09/25/2023	Interest	3137B7MZ9	3,750,000.00	FHLMC K036 A2 3.527% Due 10/25/2023	0.00	1,086.40	1,086.40
09/25/2023	Paydown	3137BSRE5	3,000,000.00	FHLMC K059 A2 3.12% Due 9/25/2026	0.00	7,800.00	7,800.00
09/25/2023	Paydown	3137BYPQ7	2,768,302.12	FHLMC K726 A2 2.905% Due 4/25/2024	3,124.71	6,484.40	9,609.11
09/25/2023	Paydown	05601XAC3	1,000,000.00	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	90,815.53	584.53	91,400.06
09/25/2023	Paydown	05602RAD3	1,065,000.00	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	0.00	2,848.88	2,848.88
09/25/2023	Paydown	09690AAC7	950,000.00	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	79,214.48	87.17	79,301.65
09/25/2023	Paydown	3137BSP72	1,500,000.00	FHLMC K058 A2 2.653% Due 8/25/2026	0.00	3,316.25	3,316.25
09/30/2023	Interest	91282CAM3	3,200,000.00	US Treasury Note 0.25% Due 9/30/2025	0.00	4,000.00	4,000.00
09/30/2023	Interest	91282CCZ2	3,130,000.00	US Treasury Note 0.875% Due 9/30/2026	0.00	13,693.75	13,693.75
SEP 2023					3,742,506.69	319,534.82	4,062,041.51
TOTAL					24,922,263.28	5,266,104.30	30,188,367.58

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CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody S&P	Term (yrs) Duration
43815NAC8	Honda Auto Receivables Trust 2019-3 A3 1.78% Due 8/15/2023	137,895.36	08/20/2019 1.79%	137,894.22 137,894.22	99.89 3.58%	137,742.98 109.09	0.03% (151.24)	Aaa AAA	0.00 0.06
90LAIF\$00	Local Agency Investment Fund State Pool	114,295,864.70	Various 1.60%	114,295,864.70 114,295,864.70	1.00 1.60%	114,295,864.70 317,079.03	28.10% 0.00	NR NR	0.00 0.00
60934N807	Federated Investors Govt Oblig Fund Inst.	709,931.95	Various 2.58%	709,931.95 709,931.95	1.00 2.58%	709,931.95 0.00	0.17% 0.00	Aaa AAA	0.00 0.00
58769EAC2	Mercedes-Benz Auto Lease Trust 2020- B A3 0.4% Due 11/15/2023	493,392.53	09/15/2020 0.40%	493,367.51 493,367.51	99.48 3.67%	490,823.44 87.71	0.12% (2,544.07)	NR AAA	0.17 0.16
78012U3M5	Royal Bank of Canada Yankee CD 1.35% Due 2/14/2023	500,000.00	02/11/2022 1.35%	500,000.00 500,000.00	99.01 3.96%	495,044.00 4,293.75	0.12% (4,956.00)	P-1 A-1+	0.38 0.37
43813KAC6	Honda Auto Receivables Trust 2020-3 A3 0.37% Due 10/18/2024	1,071,619.58	09/22/2020 0.38%	1,071,462.16 1,071,462.16	97.82 4.54%	1,048,273.28 143.18	0.26% (23,188.88)	NR AAA	0.59 0.52
3137B4WB8	FHLMC K033 A2 3.06% Due 7/25/2023	3,350,000.00	07/23/2019 2.18%	3,458,875.00 3,458,875.00	98.97 4.34%	3,315,652.45 1,708.50	0.81% (143,222.55)	Aaa NR	0.61 0.65
477870AC3	John Deere Owner Trust 2019-B A3 2.21% Due 12/15/2023	57,130.34	07/16/2019 2.23%	57,118.22 57,118.22	99.88 3.61%	57,063.49 56.11	0.01% (54.73)	Aaa NR	0.62 0.08
44891VAC5	Hyundai Auto Lease Trust 2021-B A3 0.33% Due 6/17/2024	1,900,000.00	06/08/2021 0.34%	1,899,715.00 1,899,715.00	97.56 4.63%	1,853,678.00 278.67	0.45% (46,037.00)	Aaa AAA	0.66 0.57
47787NAC3	John Deere Owner Trust 2020-B A3 0.51% Due 11/15/2024	367,818.27	07/14/2020 0.52%	367,762.22 367,762.22	98.05 4.85%	360,651.33 83.37	0.09% (7,110.89)	Aaa NR	0.66 0.45
44891RAC4	Hyundai Auto Receivables Trust 2020-C A3 0.38% Due 5/15/2025	1,308,412.48	10/20/2020 0.39%	1,308,111.15 1,308,111.15	97.55 4.60%	1,276,324.97 220.98	0.31% (31,786.18)	NR AAA	0.71 0.58
89240BAC2	Toyota Auto Receivables Owners 2021- A A3 0.26% Due 5/15/2025	2,387,521.41	02/02/2021 0.27%	2,387,078.29 2,387,078.29	97.43 4.30%	2,326,243.29 275.89	0.57% (60,835.00)	Aaa NR	0.75 0.63
43813GAC5	Honda Auto Receivables Trust 2021-1 A3 0.27% Due 4/21/2025	671,191.40	02/17/2021 0.27%	671,179.12 671,179.12	97.08 4.95%	651,612.08 50.34	0.16% (19,567.04)	Aaa NR	0.76 0.62
09690AAC7	BMW Vehicle Lease Trust 2021-2 A3 0.33% Due 12/26/2024	950,000.00	09/08/2021 0.34%	949,901.96 949,901.96	97.15 4.51%	922,910.76 52.25	0.23% (26,991.20)	Aaa NR	0.78 0.68
3137B5JM6	FHLMC K034 A2 3.531% Due 7/25/2023	3,850,000.00	08/28/2018 3.03%	3,931,662.11 3,931,662.11	99.24 4.33%	3,820,582.15 11,328.63	0.94% (111,079.96)	NR NR	0.79 0.69

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CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody S&P	Term (yrs) Duration
92348AAA3	Verizon Owner Trust 2019-C A1A 1.94% Due 4/22/2024	235,209.80	10/01/2019 1.95%	235,191.66 235,191.66	99.77 3.38%	234,660.58 139.43	0.06% (531.08)	NR AAA	0.85 0.16
3137B7MZ9	FHLMC K036 A2 3.527% Due 10/25/2023	3,750,000.00	Various 2.97%	3,837,910.16 3,837,910.16	99.06 4.35%	3,714,873.75 2,204.38	0.91% (123,036.41)	Aaa NR	0.87 0.89
44933LAC7	Hyundai Auto Receivables Trust 2021-A A3 0.38% Due 9/15/2025	1,340,000.00	04/20/2021 0.38%	1,339,859.03 1,339,859.03	96.68 4.59%	1,295,466.44 226.31	0.32% (44,392.59)	NR AAA	0.87 0.79
36262XAC8	GM Financial Auto Lease Trust 2021-3 A2 0.39% Due 10/21/2024	2,145,000.00	08/10/2021 0.39%	2,144,970.83 2,144,970.83	96.64 4.56%	2,072,973.05 255.61	0.51% (71,997.78)	NR AAA	0.89 0.81
43813DAC2	Honda Auto Receivables 2020-2 A3 0.82% Due 7/15/2024	433,958.18	05/18/2020 0.83%	433,924.02 433,924.02	99.54 1.94%	431,951.98 158.15	0.11% (1,972.04)	Aaa AAA	0.92 0.41
65479JAD5	Nissan Auto Receivables Owner 2019-C A3 1.93% Due 7/15/2024	481,146.87	10/16/2019 1.94%	481,121.47 481,121.47	99.62 3.76%	479,325.73 412.72	0.12% (1,795.74)	Aaa AAA	0.93 0.21
47789KAC7	John Deere Owner Trust 2020-A A3 1.1% Due 8/15/2024	743,797.80	Various 1.00%	745,400.76 745,400.76	99.01 4.14%	736,419.32 363.64	0.18% (8,981.44)	Aaa NR	0.97 0.32
05601XAC3	BMW Vehicle Lease Trust 2022-1 A3 1.1% Due 3/25/2025	1,000,000.00	01/11/2022 1.11%	999,850.50 999,850.50	96.29 4.76%	962,865.00 183.33	0.24% (36,985.50)	NR AAA	1.07 1.02
89236XAC0	Toyota Auto Receivables 2020-D A3 0.35% Due 1/15/2025	817,171.58	10/06/2020 0.36%	817,019.34 817,019.34	98.07 4.58%	801,374.03 127.12	0.20% (15,645.31)	NR AAA	1.15 0.46
44891WAC3	Hyundai Auto Lease Trust 2022-A A3 1.16% Due 1/15/2025	1,205,000.00	01/11/2022 1.16%	1,204,973.37 1,204,973.37	96.28 4.51%	1,160,165.57 621.24	0.28% (44,807.80)	Aaa AAA	1.21 1.12
92290BAA9	Verizon Owner Trust 2020-B A 0.47% Due 2/20/2025	1,988,658.86	08/04/2020 0.48%	1,988,241.24 1,988,241.24	98.46 4.20%	1,958,079.25 285.59	0.48% (30,161.99)	Aaa NR	1.22 0.41
912828V23	US Treasury Note 2.25% Due 12/31/2023	4,500,000.00	06/21/2019 1.80%	4,588,417.97 4,588,417.97	97.56 4.27%	4,390,137.00 25,587.64	1.08% (198,280.97)	Aaa AA+	1.25 1.21
36265MAC9	GM Financial Auto Lease Trust 2022-1 A3 1.9% Due 3/20/2025	2,105,000.00	02/15/2022 1.91%	2,104,981.90 2,104,981.90	96.55 4.71%	2,032,413.29 1,222.07	0.50% (72,568.61)	Aaa NR	1.27 1.24
24422EVN6	John Deere Capital Corp Note 0.45% Due 1/17/2024	2,140,000.00	03/01/2021 0.47%	2,138,480.60 2,138,480.60	94.83 4.60%	2,029,402.66 1,979.50	0.50% (109,077.94)	A2 A	1.30 1.26
912828B66	US Treasury Note 2.75% Due 2/15/2024	5,000,000.00	Various 2.21%	5,121,796.88 5,121,796.88	97.88 4.35%	4,894,140.00 17,561.14	1.20% (227,656.88)	Aaa AA+	1.38 1.33

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CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody S&P	Term (yrs) Duration
3137BYPQ7	FHLMC K726 A2 2.905% Due 4/25/2024	2,768,302.12	04/22/2019 2.72%	2,788,091.16 2,788,091.16	97.71 4.50%	2,704,985.51 6,701.60	0.66% (83,105.65)	NR AAA	1.39 1.34
89238LAC4	Toyota Lease Owner Trust 2022-A A3 1.96% Due 2/20/2025	2,565,000.00	02/23/2022 1.98%	2,564,596.27 2,564,596.27	96.40 4.67%	2,472,665.13 1,536.15	0.61% (91,931.14)	NR AAA	1.43 1.35
3130AB3H7	FHLB Note 2.375% Due 3/8/2024	4,000,000.00	04/29/2019 2.37%	4,000,280.00 4,000,280.00	97.22 4.39%	3,888,996.00 6,069.44	0.96% (111,284.00)	Aaa AA+	1.44 1.39
91282CBR1	US Treasury Note 0.25% Due 3/15/2024	2,900,000.00	03/30/2021 0.33%	2,892,976.56 2,892,976.56	94.32 4.31%	2,735,288.70 320.44	0.67% (157,687.86)	Aaa AA+	1.46 1.43
808513BN4	Charles Schwab Corp Callable Note Cont 2/18/2024 0.75% Due 3/18/2024	1,775,000.00	03/16/2021 0.77%	1,774,112.50 1,774,112.50	94.59 4.60%	1,679,015.10 480.73	0.41% (95,097.40)	A2 A	1.47 1.43
44935FAD6	Hyundai Auto Receivables Trust 2021-C A3 0.74% Due 5/15/2026	730,000.00	11/09/2021 0.75%	729,837.06 729,837.06	94.36 4.93%	688,857.94 240.09	0.17% (40,979.12)	NR AAA	1.50 1.37
89238JAC9	Toyota Auto Receivables Trust 2021-D A3 0.71% Due 4/15/2026	955,000.00	11/09/2021 0.71%	954,979.66 954,979.66	94.72 4.62%	904,610.38 301.36	0.22% (50,369.28)	NR AAA	1.50 1.37
43815GAC3	Honda Auto Receivables Trust 2021-4 A3 0.88% Due 1/21/2026	1,025,000.00	11/16/2021 0.89%	1,024,783.93 1,024,783.93	94.61 4.70%	969,765.83 250.56	0.24% (55,018.10)	Aaa NR	1.52 1.43
05602RAD3	BMW Vehicle Owner Trust 2022-A A3 3.21% Due 8/25/2026	1,065,000.00	05/10/2022 3.23%	1,064,944.62 1,064,944.62	97.34 4.81%	1,036,689.11 569.78	0.25% (28,255.51)	Aaa AAA	1.53 1.70
47789QAC4	John Deere Owner Trust 2021-B A3 0.52% Due 3/16/2026	1,290,000.00	07/13/2021 0.52%	1,289,884.93 1,289,884.93	94.50 4.71%	1,219,083.54 298.13	0.30% (70,801.39)	Aaa NR	1.54 1.33
912828X70	US Treasury Note 2% Due 4/30/2024	4,800,000.00	Various 1.84%	4,833,281.25 4,833,281.25	96.48 4.32%	4,631,064.00 40,173.92	1.15% (202,217.25)	Aaa AA+	1.58 1.52
362554AC1	GM Financial Securitized Term 2021-4 A3 0.68% Due 9/16/2026	780,000.00	10/13/2021 0.68%	779,980.11 779,980.11	94.24 5.04%	735,082.14 221.00	0.18% (44,897.97)	Aaa AAA	1.63 1.34
3130A1XJ2	FHLB Note 2.875% Due 6/14/2024	5,500,000.00	Various 1.95%	5,740,000.40 5,740,000.40	97.52 4.40%	5,363,352.51 46,998.26	1.33% (376,647.89)	Aaa AA+	1.71 1.63
912828XX3	US Treasury Note 2% Due 6/30/2024	4,900,000.00	Various 1.81%	4,942,253.91 4,942,253.91	96.18 4.29%	4,712,805.30 24,766.30	1.16% (229,448.61)	Aaa AA+	1.75 1.68
06367TQW3	Bank of Montreal Note 0.625% Due 7/9/2024	1,500,000.00	02/09/2022 1.89%	1,455,540.00 1,455,540.00	92.61 5.03%	1,389,168.00 2,135.42	0.34% (66,372.00)	A2 A-	1.78 1.72

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79466LAG9	Salesforce.com Inc Callable Note Cont 7/15/2022 0.625% Due 7/15/2024	3,100,000.00	Various 0.92%	3,076,192.60 3,076,192.60	93.24 4.60%	2,890,291.20 4,090.28	0.71% (185,901.40)	A2 A+	1.79 1.74
380146AC4	GM Financial Auto Receivables 2022-1 A3 1.26% Due 11/16/2026	660,000.00	01/11/2022 1.27%	659,942.65 659,942.65	95.13 4.79%	627,882.43 346.50	0.15% (32,060.22)	NR AAA	1.80 1.40
43815BAC4	Honda Auto Receivables Trust 2022-1 A3 1.88% Due 5/15/2026	1,650,000.00	02/15/2022 1.89%	1,649,751.84 1,649,751.84	95.03 4.81%	1,568,004.90 1,378.67	0.38% (81,746.94)	Aaa AAA	1.84 1.73
69371RQ25	Paccar Financial Corp Note 2.15% Due 8/15/2024	715,000.00	08/08/2019 2.20%	713,419.85 713,419.85	95.45 4.71%	682,467.50 1,964.26	0.17% (30,952.35)	A1 A+	1.88 1.80
912828D56	US Treasury Note 2.375% Due 8/15/2024	5,000,000.00	12/12/2019 1.75%	5,140,234.38 5,140,234.38	96.60 4.28%	4,829,885.00 15,166.44	1.19% (310,349.38)	Aaa AA+	1.88 1.80
448977AD0	Hyundai Auto Receivables Trust 2022-A A3 2.22% Due 10/15/2026	1,350,000.00	03/09/2022 2.23%	1,349,948.03 1,349,948.03	95.93 4.62%	1,295,036.10 1,332.00	0.32% (54,911.93)	NR AAA	1.92 1.72
3130A2UW4	FHLB Note 2.875% Due 9/13/2024	4,000,000.00	09/13/2019 1.79%	4,206,760.00 4,206,760.00	97.26 4.35%	3,890,300.00 5,750.00	0.96% (316,460.00)	Aaa AA+	1.96 1.87
92348KAV5	Verizon Master Trust 2022-5 A1A 3.72% Due 7/20/2027	1,150,000.00	08/02/2022 3.75%	1,149,949.40 1,149,949.40	99.05 4.51%	1,139,029.00 1,307.17	0.28% (10,920.40)	NR AAA	1.98 1.79
13063DRK6	California State Taxable GO 2.4% Due 10/1/2024	3,385,000.00	10/16/2019 1.91%	3,462,753.45 3,462,753.45	96.10 4.46%	3,253,086.55 40,620.00	0.81% (209,666.90)	Aa2 AA-	2.01 1.90
47787JAC2	John Deere Owner Trust 2022-A A3 2.32% Due 9/16/2026	1,010,000.00	03/10/2022 2.34%	1,009,776.59 1,009,776.59	95.59 5.00%	965,507.48 1,041.42	0.24% (44,269.11)	Aaa NR	2.01 1.67
3135G0W66	FNMA Note 1.625% Due 10/15/2024	3,500,000.00	Various 1.21%	3,564,275.00 3,564,275.00	94.91 4.25%	3,321,927.00 26,225.69	0.82% (242,348.00)	Aaa AA+	2.04 1.96
9128283D0	US Treasury Note 2.25% Due 10/31/2024	4,000,000.00	11/07/2019 1.77%	4,090,468.75 4,090,468.75	96.06 4.24%	3,842,500.00 37,663.04	0.95% (247,968.75)	Aaa AA+	2.09 1.99
78015K7C2	Royal Bank of Canada Note 2.25% Due 11/1/2024	3,600,000.00	12/05/2019 2.26%	3,598,128.00 3,598,128.00	94.66 4.97%	3,407,839.20 33,750.00	0.84% (190,288.80)	A1 A	2.09 1.98
14913Q3B3	Caterpillar Finl Service Note 2.15% Due 11/8/2024	2,593,000.00	Various 1.88%	2,624,484.21 2,624,484.21	95.13 4.60%	2,466,798.69 22,144.94	0.61% (157,685.52)	A2 A	2.11 2.00
74153WCQ0	Prcoa Global Funding Note 1.15% Due 12/6/2024	1,975,000.00	12/01/2021 1.19%	1,972,965.75 1,972,965.75	92.28 4.92%	1,822,451.00 7,255.38	0.45% (150,514.75)	Aa3 AA-	2.19 2.10

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3130AQF40	FHLB Note 1% Due 12/20/2024	4,300,000.00	12/21/2021 1.02%	4,297,205.00 4,297,205.00	92.98 4.35%	3,997,968.00 12,063.89	0.98% (299,237.00)	Aaa AA+	2.22 2.15
3135G0X24	FNMA Note 1.625% Due 1/7/2025	4,220,000.00	Various 1.30%	4,282,878.20 4,282,878.20	94.36 4.26%	3,981,894.94 16,000.83	0.98% (300,983.26)	Aaa AA+	2.27 2.18
89236TJT3	Toyota Motor Credit Corp Note 1.45% Due 1/13/2025	2,700,000.00	01/10/2022 1.50%	2,696,382.00 2,696,382.00	92.73 4.85%	2,503,723.50 8,482.50	0.62% (192,658.50)	A1 A+	2.29 2.20
64952WEK5	New York Life Global Note 1.45% Due 1/14/2025	3,745,000.00	01/11/2022 1.49%	3,740,955.40 3,740,955.40	92.51 4.95%	3,464,443.33 11,614.70	0.85% (276,512.07)	Aaa AA+	2.29 2.20
90331HPL1	US Bank NA Callable Note Cont 12/21/2024 2.05% Due 1/21/2025	4,145,000.00	01/16/2020 2.10%	4,136,171.15 4,136,171.15	94.06 4.80%	3,898,853.32 16,522.43	0.96% (237,317.83)	A1 AA-	2.31 2.20
3137EAEP0	FHLMC Note 1.5% Due 2/12/2025	6,575,000.00	02/13/2020 1.52%	6,569,937.25 6,569,937.25	93.94 4.22%	6,176,311.73 13,423.96	1.52% (393,625.52)	Aaa AA+	2.37 2.28
912828ZC7	US Treasury Note 1.125% Due 2/28/2025	7,000,000.00	03/18/2020 0.81%	7,108,007.81 7,108,007.81	92.89 4.25%	6,502,615.00 6,743.78	1.60% (605,392.81)	Aaa AA+	2.42 2.34
91282CED9	US Treasury Note 1.75% Due 3/15/2025	7,000,000.00	04/05/2022 2.65%	6,823,085.94 6,823,085.94	94.18 4.27%	6,592,579.00 5,414.36	1.62% (230,506.94)	Aaa AA+	2.46 2.36
69371RR73	Paccar Financial Corp Note 2.85% Due 4/7/2025	2,970,000.00	03/31/2022 2.86%	2,969,227.80 2,969,227.80	95.62 4.72%	2,839,795.20 40,911.75	0.71% (129,432.60)	A1 A+	2.52 2.36
78016EZ59	Royal Bank of Canada Note 3.375% Due 4/14/2025	1,270,000.00	04/07/2022 3.39%	1,269,530.10 1,269,530.10	96.11 5.02%	1,220,617.32 19,883.44	0.30% (48,912.78)	A1 A	2.54 2.35
3135G03U5	FNMA Note 0.625% Due 4/22/2025	5,270,000.00	04/22/2020 0.67%	5,259,143.80 5,259,143.80	91.14 4.32%	4,803,109.62 14,547.40	1.18% (456,034.18)	Aaa AA+	2.56 2.48
06367WB85	Bank of Montreal Note 1.85% Due 5/1/2025	2,761,000.00	07/23/2021 0.85%	2,862,660.02 2,862,660.02	92.02 5.19%	2,540,536.91 21,282.71	0.63% (322,123.11)	A2 A-	2.59 2.45
14913R2V8	Caterpillar Financial Service Note 3.4% Due 5/13/2025	1,460,000.00	05/10/2022 3.44%	1,458,145.80 1,458,145.80	96.71 4.75%	1,412,034.62 19,028.67	0.35% (46,111.18)	A2 A	2.62 2.44
02582JIT8	American Express Credit Trust 2022-2 A 3.39% Due 5/17/2027	2,765,000.00	05/17/2022 3.42%	2,764,388.38 2,764,388.38	96.77 4.75%	2,675,690.50 4,165.93	0.66% (88,697.88)	NR AAA	2.62 2.44
46647PCH7	JP Morgan Chase & Co Callable Note Cont 6/1/2024 0.824% Due 6/1/2025	3,295,000.00	05/24/2021 1.46%	3,299,268.65 3,299,268.65	92.60 4.81%	3,051,146.94 9,050.27	0.75% (248,121.71)	A1 A-	2.67 2.56
63743HFE7	National Rural Utilities Note 3.45% Due 6/15/2025	940,000.00	04/27/2022 3.46%	939,746.20 939,746.20	96.49 4.85%	906,984.38 13,242.25	0.23% (32,761.82)	A2 A-	2.71 2.51

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3135G04Z3	FNMA Note 0.5% Due 6/17/2025	6,200,000.00	Various 0.51%	6,196,731.90 6,196,731.90	90.39 4.29%	5,604,446.60 8,955.55	1.38% (592,285.30)	Aaa AA+	2.72 2.64
46647PCK0	JP Morgan Chase & Co Callable Note Cont 6/23/2024 0.969% Due 6/23/2025	1,565,000.00	Various 1.60%	1,565,968.20 1,565,968.20	92.52 4.86%	1,447,956.78 4,128.21	0.36% (118,011.42)	A1 A-	2.73 2.62
66815L2J7	Northwestern Mutual Gbl Note 4% Due 7/1/2025	2,350,000.00	06/27/2022 4.01%	2,349,201.00 2,349,201.00	97.42 5.01%	2,289,283.05 23,500.00	0.57% (59,917.95)	Aaa AA+	2.75 2.54
3137EAEU9	FHLMC Note 0.375% Due 7/21/2025	6,300,000.00	Various 0.45%	6,277,899.60 6,277,899.60	89.73 4.30%	5,652,945.90 4,593.75	1.39% (624,953.70)	Aaa AA+	2.81 2.73
91282CAB7	US Treasury Note 0.25% Due 7/31/2025	6,000,000.00	03/12/2021 0.72%	5,879,062.50 5,879,062.50	89.41 4.26%	5,364,612.00 2,527.17	1.32% (514,450.50)	Aaa AA+	2.84 2.77
3135G05X7	FNMA Note 0.375% Due 8/25/2025	6,285,000.00	Various 0.46%	6,260,439.20 6,260,439.20	89.43 4.29%	5,620,650.36 2,356.88	1.38% (639,788.84)	Aaa AA+	2.90 2.83
3137EAEX3	FHLMC Note 0.375% Due 9/23/2025	6,295,000.00	Various 0.44%	6,276,346.05 6,276,346.05	89.25 4.25%	5,618,419.70 524.59	1.38% (657,926.35)	Aaa AA+	2.98 2.90
91282CAM3	US Treasury Note 0.25% Due 9/30/2025	3,200,000.00	03/29/2021 0.74%	3,130,375.00 3,130,375.00	88.89 4.23%	2,844,374.40 21.98	0.70% (286,000.60)	Aaa AA+	3.00 2.93
459058JL8	Intl. Bank Recon & Development Note 0.5% Due 10/28/2025	6,300,000.00	Various 0.59%	6,272,360.85 6,272,360.85	88.98 4.37%	5,605,431.31 13,387.51	1.38% (666,929.54)	Aaa AAA	3.08 2.98
91282CAT8	US Treasury Note 0.25% Due 10/31/2025	6,000,000.00	02/19/2021 0.53%	5,923,125.00 5,923,125.00	88.57 4.24%	5,314,452.00 6,277.17	1.30% (608,673.00)	Aaa AA+	3.09 3.01
3135G06G3	FNMA Note 0.5% Due 11/7/2025	6,300,000.00	Various 0.57%	6,279,895.00 6,279,895.00	89.07 4.30%	5,611,347.00 12,600.00	1.38% (668,548.00)	Aaa AA+	3.11 3.01
91282CAZ4	US Treasury Note 0.375% Due 11/30/2025	3,800,000.00	03/26/2021 0.77%	3,731,867.19 3,731,867.19	88.68 4.23%	3,369,680.40 4,788.93	0.83% (362,186.79)	Aaa AA+	3.17 3.08
40139LBC6	Guardian Life Glob Fun Note 0.875% Due 12/10/2025	3,000,000.00	Various 1.12%	2,969,700.00 2,969,700.00	87.37 5.22%	2,621,100.00 8,093.76	0.64% (348,600.00)	Aa1 AA+	3.20 3.06
66815L2A6	Northwestern Mutual Gbl Note 0.8% Due 1/14/2026	1,870,000.00	12/06/2021 1.47%	1,820,388.90 1,820,388.90	87.62 4.92%	1,638,568.80 3,199.78	0.40% (181,820.10)	Aaa AA+	3.29 3.17
3137BSRE5	FHLMC K059 A2 3.12% Due 9/25/2026	3,000,000.00	02/18/2022 1.98%	3,128,437.50 3,128,437.50	94.75 4.58%	2,842,551.00 7,800.00	0.70% (285,886.50)	NR AAA	3.49 3.57
4581X0DV7	Inter-American Dev Bank Note 0.875% Due 4/20/2026	6,390,000.00	04/13/2021 0.97%	6,360,733.80 6,360,733.80	88.72 4.33%	5,669,144.10 25,005.31	1.40% (691,589.70)	Aaa AAA	3.56 3.42

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46647PBK1	JP Morgan Chase & Co Callable Note Cont 4/22/2025 2.083% Due 4/22/2026	1,000,000.00	05/20/2021 1.84%	1,037,330.00 1,037,330.00	91.12 5.61%	911,216.00 9,199.92	0.23% (126,114.00)	A1 A-	3.56 3.31
6174468Q5	Morgan Stanley Callable Note Cont 4/28/2025 2.188% Due 4/28/2026	1,600,000.00	05/18/2022 4.42%	1,511,376.00 1,511,376.00	91.74 5.51%	1,467,848.00 14,878.40	0.36% (43,528.00)	A1 A-	3.58 3.32
023135BX3	Amazon.com Inc Callable Note Cont 4/12/2026 1% Due 5/12/2026	4,865,000.00	05/10/2021 1.09%	4,843,983.20 4,843,983.20	87.88 4.68%	4,275,279.30 18,784.31	1.05% (568,703.90)	A1 AA	3.62 3.46
91324PEC2	United Health Group Inc Callable Note Cont 4/15/2026 1.15% Due 5/15/2026	805,000.00	Various 1.08%	807,605.05 807,605.05	88.53 4.62%	712,677.77 3,497.28	0.18% (94,927.28)	A3 A+	3.62 3.46
89236TJK2	Toyota Motor Credit Corp Note 1.125% Due 6/18/2026	3,325,000.00	06/15/2021 1.13%	3,323,537.00 3,323,537.00	87.51 4.84%	2,909,654.30 10,702.34	0.72% (413,882.70)	A1 A+	3.72 3.55
06051GJD2	Bank of America Corp Callable Note Cont 6/19/2025 1.319% Due 6/19/2026	3,000,000.00	Various 1.82%	3,007,920.00 3,007,920.00	88.77 5.41%	2,663,190.00 11,211.50	0.66% (344,730.00)	A2 A-	3.72 3.52
57629WDE7	Mass Mutual Global funding Note 1.2% Due 7/16/2026	2,272,000.00	08/10/2021 1.21%	2,271,369.92 2,271,369.92	86.88 5.04%	1,974,011.30 5,680.00	0.49% (297,358.62)	Aa3 AA+	3.79 3.61
3137BSP72	FHLMC K058 A2 2.653% Due 8/25/2026	1,500,000.00	11/12/2021 1.35%	1,586,425.78 1,586,425.78	93.16 4.59%	1,397,350.50 3,316.25	0.34% (189,075.28)	NR NR	3.82 3.57
91282CCW9	US Treasury Note 0.75% Due 8/31/2026	1,570,000.00	09/23/2021 0.90%	1,558,899.61 1,558,899.61	87.73 4.18%	1,377,430.08 1,008.36	0.34% (181,469.53)	Aaa AA+	3.92 3.78
58989V2D5	Met Tower Global Funding Note 1.25% Due 9/14/2026	1,715,000.00	09/07/2021 1.27%	1,713,422.20 1,713,422.20	86.05 5.20%	1,475,683.76 1,012.33	0.36% (237,738.44)	Aa3 AA-	3.96 3.76
931142ER0	Wal-Mart Stores Callable Note Cont 08/17/2026 1.05% Due 9/17/2026	785,000.00	09/08/2021 1.09%	783,516.35 783,516.35	87.29 4.59%	685,234.35 320.54	0.17% (98,282.00)	Aa2 AA	3.97 3.80
91282CCZ2	US Treasury Note 0.875% Due 9/30/2026	3,130,000.00	10/18/2021 1.19%	3,083,172.27 3,083,172.27	88.01 4.16%	2,754,766.21 75.24	0.68% (328,406.06)	Aaa AA+	4.00 3.85
91282CDG3	US Treasury Note 1.125% Due 10/31/2026	3,120,000.00	11/15/2021 1.25%	3,100,987.50 3,100,987.50	88.71 4.16%	2,767,658.40 14,688.59	0.68% (333,329.10)	Aaa AA+	4.09 3.90
59217GER6	Metlife Note 1.875% Due 1/11/2027	2,485,000.00	01/03/2022 1.90%	2,482,167.10 2,482,167.10	87.50 5.17%	2,174,325.30 10,354.17	0.54% (307,841.80)	Aa3 AA-	4.28 4.00

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808513BY0	Charles Schwab Corp Callable Note Cont 2/3/2027 2.45% Due 3/3/2027	1,300,000.00	03/09/2022 2.73%	1,282,866.00 1,282,866.00	89.78 5.06%	1,167,142.60 2,477.22	0.29% (115,723.40)	A2 A	4.42 4.09
89114TZT2	Toronto-Dominion Bank Note 2.8% Due 3/10/2027	1,900,000.00	03/09/2022 2.97%	1,884,933.00 1,884,933.00	90.18 5.31%	1,713,359.20 3,103.33	0.42% (171,573.80)	A1 A	4.44 4.08
06051GHT9	Bank of America Corp Callable Note 1X 4/23/2026 3.559% Due 4/23/2027	3,000,000.00	Various 4.55%	2,906,255.64 2,906,255.64	92.35 5.74%	2,770,509.00 46,860.17	0.69% (135,746.64)	A2 A-	4.56 4.05
665859AW4	Northern Trust Company Callable Note Cont 4/10/2027 4% Due 5/10/2027	1,345,000.00	05/05/2022 4.04%	1,342,821.10 1,342,821.10	96.47 4.86%	1,297,534.95 21,071.67	0.32% (45,286.15)	A2 A+	4.61 4.08
91324PEG3	United Health Group Inc Callable Note Cont 4/15/2027 3.7% Due 5/15/2027	1,365,000.00	05/17/2022 3.69%	1,365,638.40 1,365,638.40	95.18 4.88%	1,299,183.80 18,378.21	0.32% (66,454.60)	A3 A+	4.62 4.12
22160KAM7	Costco Wholesale Corp Callable Note Cont 2/18/2027 3% Due 5/18/2027	2,500,000.00	07/15/2022 3.53%	2,441,975.00 2,441,975.00	93.56 4.56%	2,338,940.00 27,708.33	0.58% (103,035.00)	Aa3 A+	4.63 4.20
91282CET4	US Treasury Note 2.625% Due 5/31/2027	2,400,000.00	06/09/2022 3.07%	2,351,156.25 2,351,156.25	93.93 4.07%	2,254,219.20 21,172.13	0.56% (96,937.05)	Aaa AA+	4.67 4.29
89115A2C5	Toronto-Dominion Bank Note 4.108% Due 6/8/2027	1,400,000.00	08/26/2022 4.18%	1,395,310.00 1,395,310.00	94.33 5.49%	1,320,604.60 18,052.38	0.33% (74,705.40)	A1 A	4.69 4.13
91282CEW7	US Treasury Note 3.25% Due 6/30/2027	6,650,000.00	Various 3.12%	6,690,380.86 6,690,380.86	96.43 4.08%	6,412,834.40 54,618.55	1.59% (277,546.46)	Aaa AA+	4.75 4.31
91282CFB2	US Treasury Note 2.75% Due 7/31/2027	1,300,000.00	08/22/2022 3.12%	1,277,960.94 1,277,960.94	94.21 4.08%	1,224,741.70 6,023.10	0.30% (53,219.24)	Aaa AA+	4.84 4.44
91282CFH9	US Treasury Note 3.125% Due 8/31/2027	3,450,000.00	Various 3.45%	3,399,517.58 3,399,517.58	95.97 4.04%	3,310,923.60 9,232.57	0.81% (88,593.98)	Aaa AA+	4.92 4.49
TOTAL PORTFOLIO		427,230,023.23	1.60%	427,876,448.14	3.68%	406,430,667.79 1,411,760.69	100.00% (21,445,780.35)	Aa1 AA	1.81 1.71
TOTAL MARKET VALUE PLUS ACCRUED						407,842,428.48			

City of Corona Consolidated

Account #10003

Issuer Report

As of September 30, 2022



Issue Name	Par	Cost	Market Value	MVACC	% Portfolio
Local Agency Investment Fund	\$114,295,864.70	\$114,295,864.70	\$114,295,864.70	\$114,612,943.73	28.10%
Government of United States	\$85,720,000.00	\$85,667,028.15	\$80,126,706.39	\$80,420,537.24	19.72%
Federal Home Loan Mortgage Corp	\$37,388,302.12	\$37,855,584.61	\$35,243,672.69	\$35,295,274.35	8.65%
Federal National Mortgage Association	\$31,775,000.00	\$31,843,363.10	\$28,943,375.52	\$29,024,061.87	7.12%
Federal Home Loan Bank	\$17,800,000.00	\$18,244,245.40	\$17,140,616.51	\$17,211,498.10	4.22%
Inter-American Dev Bank	\$6,390,000.00	\$6,360,733.80	\$5,669,144.10	\$5,694,149.41	1.40%
Intl Bank Recon and Development	\$6,300,000.00	\$6,272,360.85	\$5,605,431.31	\$5,618,818.82	1.38%
Bank of America Corp	\$6,000,000.00	\$5,914,175.64	\$5,433,699.00	\$5,491,770.67	1.35%
JP Morgan Chase & Co	\$5,860,000.00	\$5,902,566.85	\$5,410,319.72	\$5,432,698.12	1.33%
Toyota Motor Corp	\$6,025,000.00	\$6,019,919.00	\$5,413,377.80	\$5,432,562.64	1.33%
Royal Bank of Canada	\$5,370,000.00	\$5,367,658.10	\$5,123,500.52	\$5,181,427.71	1.27%
Honda ABS	\$4,989,664.52	\$4,988,995.29	\$4,807,351.05	\$4,809,441.04	1.18%
Hyundai Auto Receivables	\$4,728,412.48	\$4,727,755.27	\$4,555,685.45	\$4,557,704.83	1.12%
Amazon.com Inc	\$4,865,000.00	\$4,843,983.20	\$4,275,279.30	\$4,294,063.61	1.05%
GM Financial Automobile Leasing Trust	\$4,250,000.00	\$4,249,952.73	\$4,105,386.34	\$4,106,864.02	1.01%
Toyota ABS	\$4,159,692.99	\$4,159,077.29	\$4,032,227.70	\$4,032,932.07	0.99%
Northwestern Mutual Gbl	\$4,220,000.00	\$4,169,589.90	\$3,927,851.85	\$3,954,551.63	0.97%
Bank of Montreal Chicago	\$4,261,000.00	\$4,318,200.02	\$3,929,704.91	\$3,953,123.04	0.97%
Caterpillar Inc	\$4,053,000.00	\$4,082,630.01	\$3,878,833.31	\$3,920,006.92	0.96%
US Bancorp	\$4,145,000.00	\$4,136,171.15	\$3,898,853.32	\$3,915,375.75	0.96%
Metlife Inc	\$4,200,000.00	\$4,195,589.30	\$3,650,009.06	\$3,661,375.56	0.90%
Paccar Financial	\$3,685,000.00	\$3,682,647.65	\$3,522,262.70	\$3,565,138.71	0.87%
New York Life Global Funding	\$3,745,000.00	\$3,740,955.40	\$3,464,443.33	\$3,476,058.03	0.85%
John Deere ABS	\$3,468,746.41	\$3,469,942.72	\$3,338,725.16	\$3,340,567.83	0.82%
State of California	\$3,385,000.00	\$3,462,753.45	\$3,253,086.55	\$3,293,706.55	0.81%
Toronto Dominion Holdings	\$3,300,000.00	\$3,280,243.00	\$3,033,963.80	\$3,055,119.51	0.75%
Hyundai Auto Lease Securitization	\$3,105,000.00	\$3,104,688.37	\$3,013,843.57	\$3,014,743.48	0.74%
Salesforce.com Inc	\$3,100,000.00	\$3,076,192.60	\$2,890,291.20	\$2,894,381.48	0.71%
Charles Schwab Corp/The	\$3,075,000.00	\$3,056,978.50	\$2,846,157.70	\$2,849,115.65	0.70%
American Express ABS	\$2,765,000.00	\$2,764,388.38	\$2,675,690.50	\$2,679,856.43	0.66%

City of Corona Consolidated

Account #10003

Issuer Report

As of September 30, 2022



Issue Name	Par	Cost	Market Value	MVACC	% Portfolio
Guardian Life Global Funding	\$3,000,000.00	\$2,969,700.00	\$2,621,100.00	\$2,629,193.76	0.64%
Toyota Lease Owner Trust	\$2,565,000.00	\$2,564,596.27	\$2,472,665.13	\$2,474,201.28	0.61%
Costco Wholesale Corporation	\$2,500,000.00	\$2,441,975.00	\$2,338,940.00	\$2,366,648.33	0.58%
Verizon Owner Trust	\$2,223,868.66	\$2,223,432.90	\$2,192,739.83	\$2,193,164.85	0.54%
United Health Group Inc	\$2,170,000.00	\$2,173,243.45	\$2,011,861.57	\$2,033,737.06	0.50%
Deere & Company	\$2,140,000.00	\$2,138,480.60	\$2,029,402.66	\$2,031,382.16	0.50%
Mass Mutual Insurance	\$2,272,000.00	\$2,271,369.92	\$1,974,011.30	\$1,979,691.30	0.49%
BMW Vehicle Lease Trust	\$1,950,000.00	\$1,949,752.46	\$1,885,775.76	\$1,886,011.34	0.46%
Prudential Financial Inc	\$1,975,000.00	\$1,972,965.75	\$1,822,451.00	\$1,829,706.38	0.45%
Morgan Stanley	\$1,600,000.00	\$1,511,376.00	\$1,467,848.00	\$1,482,726.40	0.36%
GM Financial Securitized Term Auto Trust	\$1,440,000.00	\$1,439,922.76	\$1,362,964.57	\$1,363,532.07	0.33%
Northern Trust Corp	\$1,345,000.00	\$1,342,821.10	\$1,297,534.95	\$1,318,606.62	0.32%
Verizon Master Trust	\$1,150,000.00	\$1,149,949.40	\$1,139,029.00	\$1,140,336.17	0.28%
BMW ABS	\$1,065,000.00	\$1,064,944.62	\$1,036,689.11	\$1,037,258.89	0.25%
National Rural Utilities	\$940,000.00	\$939,746.20	\$906,984.38	\$920,226.63	0.23%
Federated Govt Obligation Money Market Fund	\$709,931.95	\$709,931.95	\$709,931.95	\$709,931.95	0.17%
Wal-Mart Stores	\$785,000.00	\$783,516.35	\$685,234.35	\$685,554.89	0.17%
Mercedes-Benz Auto Lease Trust	\$493,392.53	\$493,367.51	\$490,823.44	\$490,911.15	0.12%
Nissan ABS	\$481,146.87	\$481,121.47	\$479,325.73	\$479,738.45	0.12%
TOTAL	\$427,230,023.23	\$427,876,448.14	\$406,430,667.79	\$407,842,428.48	100.00%



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Custody: Your qualified custodian bank maintains control of all assets reflected in this statement and we urge you to compare this statement to the one you receive from your qualified custodian. Chandler does not have any authority to withdraw or deposit funds from/to the custodian account.

Valuation: Prices are provided by IDC, an independent pricing source. In the event IDC does not provide a price or if the price provided is not reflective of fair market value, Chandler will obtain pricing from an alternative approved third party pricing source in accordance with our written valuation policy and procedures. Our valuation procedures are also disclosed in Item 5 of our Form ADV Part 2A.

Performance: Performance results are presented gross-of-advisory fees and represent the client's Total Return. The deduction of advisory fees lowers performance results. These results include the reinvestment of dividends and other earnings. Past performance may not be indicative of future results. Therefore, clients should not assume that future performance of any specific investment or investment strategy will be profitable or equal to past performance levels. All investment strategies have the potential for profit or loss. Economic factors, market conditions or changes in investment strategies, contributions or withdrawals may materially alter the performance and results of your portfolio.

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Ratings: Ratings information have been provided by Moody's, S&P and Fitch through data feeds we believe to be reliable as of the date of this statement, however we cannot guarantee its accuracy.

Security level ratings for U.S. Agency issued mortgage-backed securities ("MBS") reflect the issuer rating because the securities themselves are not rated. The issuing U.S. Agency guarantees the full and timely payment of both principal and interest and carries a AA+/Aaa/AAA by S&P, Moody's and Fitch respectively.



Benchmark Index	Disclosure
ICE BofA 1-5 Yr US Treasury & Agency Index	The ICE BofA 1-5 Year US Treasury & Agency Index tracks the performance of US dollar denominated US Treasury and nonsubordinated US agency debt issued in the US domestic market. Qualifying securities must have an investment grade rating (based on an average of Moody's, S&P and Fitch). Qualifying securities must have at least one year remaining term to final maturity and less than five years remaining term to final maturity, at least 18 months to maturity at time of issuance, a fixed coupon schedule, and a minimum amount outstanding of \$1 billion for sovereigns and \$250 million for agencies.

Portfolio Performance

September 30, 2022

Date	City of Corona	City of Corona Internal Account	City of Corona Consolidated Account
7/31/2006			
8/31/2006	0.744%	0.530%	0.633%
9/30/2006	0.559%	0.506%	0.533%
10/31/2006	0.585%	0.445%	0.517%
10/31/2006	0.585%	0.445%	0.517%
11/30/2006	0.655%	0.488%	0.573%
12/31/2006	-0.102%	0.203%	0.044%
1/31/2007	0.159%	0.350%	0.250%
2/28/2007	1.021%	0.604%	0.798%
3/31/2007	0.334%	0.407%	0.372%
4/30/2007	0.403%	0.415%	0.409%
5/31/2007	-0.330%	0.247%	-0.031%
6/30/2007	0.360%	0.413%	0.390%
7/31/2007	0.984%	0.429%	0.672%
8/31/2007	0.940%	0.464%	0.809%
9/30/2007	0.824%	0.415%	0.728%
10/31/2007	0.451%	0.410%	0.443%
11/30/2007	1.608%	0.401%	1.392%
12/31/2007	0.414%	0.404%	0.413%
1/31/2008	1.952%	0.388%	1.600%
2/29/2008	0.908%	0.329%	0.730%
3/31/2008	0.102%	0.321%	0.164%
4/30/2008	-0.683%	0.278%	-0.482%
5/31/2008	-0.519%	0.263%	-0.340%
6/30/2008	0.310%	0.237%	0.288%
7/31/2008	0.468%	0.237%	0.406%
8/31/2008	0.494%	0.232%	0.431%
9/30/2008	-0.920%	0.227%	-0.704%
10/31/2008	0.620%	0.231%	0.549%
11/30/2008	2.483%	0.208%	2.067%
12/31/2008	2.145%	0.206%	1.875%
1/31/2009	-0.248%	0.175%	-0.192%
2/28/2009	0.166%	0.141%	0.160%
3/31/2009	0.639%	0.153%	0.555%
4/30/2009	0.500%	0.132%	0.454%
5/31/2009	0.334%	0.134%	0.307%
6/30/2009	-0.121%	0.114%	-0.067%
7/31/2009	0.518%	0.089%	0.428%
8/31/2009	0.662%	0.074%	0.544%
9/30/2009	0.353%	0.062%	0.301%
10/31/2009	0.444%	0.054%	0.386%
11/30/2009	0.866%	0.050%	0.775%
12/31/2009	-1.061%	0.049%	-0.960%
1/31/2010	0.957%	0.048%	0.855%
2/28/2010	0.398%	0.041%	0.322%
3/31/2010	-0.270%	0.046%	-0.218%
4/30/2010	0.514%	0.048%	0.446%
5/31/2010	0.464%	0.047%	0.419%
6/30/2010	0.895%	0.042%	0.743%
7/31/2010	0.670%	0.049%	0.548%
8/31/2010	0.389%	0.043%	0.329%
9/30/2010	0.322%	0.041%	0.285%
10/31/2010	0.490%	0.041%	0.444%
11/30/2010	-0.447%	0.037%	-0.400%
12/31/2010	-0.424%	0.038%	-0.381%
1/31/2011	0.246%	0.038%	0.227%
2/28/2011	-0.060%	0.034%	-0.044%
3/31/2011	0.030%	0.037%	0.031%
4/30/2011	0.678%	0.050%	0.599%
5/31/2011	0.519%	0.036%	0.459%
6/30/2011	-0.059%	0.032%	-0.040%
7/31/2011	0.658%	0.046%	0.536%
8/31/2011	0.423%	0.031%	0.354%
9/30/2011	-0.178%	0.031%	-0.143%
10/31/2011	0.293%	0.035%	0.254%
11/30/2011	-0.053%	0.031%	-0.038%
12/31/2011	0.307%	0.030%	0.264%
1/31/2012	0.542%	0.035%	0.466%
2/29/2012	-0.011%	0.030%	-0.002%

Date	City of Corona	City of Corona Internal Account	City of Corona Consolidated Account
3/31/2012	-0.125%	0.032%	-0.095%
4/30/2012	0.449%	0.029%	0.372%
5/31/2012	0.072%	0.031%	0.064%
6/30/2012	0.107%	0.030%	0.089%
7/31/2012	0.431%	0.029%	0.332%
8/31/2012	0.181%	0.030%	0.151%
9/30/2012	0.046%	0.028%	0.042%
10/31/2012	-0.035%	0.028%	-0.024%
11/30/2012	0.243%	0.026%	0.210%
12/31/2012	-0.043%	0.028%	-0.034%
1/31/2013	-0.100%	0.023%	-0.084%
2/28/2013	0.218%	0.022%	0.185%
3/31/2013	0.056%	0.024%	0.052%
4/30/2013	0.225%	0.020%	0.213%
5/31/2013	-0.474%	0.022%	-0.442%
6/30/2013	-0.505%	0.020%	-0.424%
7/31/2013	0.280%	0.022%	0.240%
8/31/2013	-0.238%	0.023%	-0.200%
9/30/2013	0.493%	0.021%	0.438%
10/31/2013	0.339%	0.021%	0.305%
11/30/2013	0.150%	0.022%	0.137%
12/31/2013	-0.423%	0.025%	-0.379%
1/31/2014	0.483%	0.018%	0.434%
2/28/2014	0.175%	0.018%	0.148%
3/31/2014	-0.271%	0.020%	-0.228%
4/30/2014	0.274%	0.017%	0.239%
5/31/2014	0.380%	0.020%	0.338%
6/30/2014	-0.058%	0.019%	-0.047%
7/31/2014	-0.200%	0.019%	-0.157%
8/31/2014	0.289%	0.021%	0.242%
9/30/2014	-0.151%	0.020%	-0.124%
10/31/2014	0.392%	0.020%	0.333%
11/30/2014	0.320%	0.021%	0.273%
12/31/2014	-0.210%	0.023%	-0.175%
1/31/2015	0.961%	0.023%	0.800%
2/28/2015	-0.419%	0.020%	-0.297%
3/31/2015	0.404%	0.024%	0.325%
4/30/2015	0.035%	0.021%	0.032%
5/31/2015	0.082%	0.025%	0.071%
6/30/2015	-0.143%	0.024%	-0.105%
7/31/2015	0.166%	0.026%	0.131%
8/31/2015	-0.009%	0.028%	0.000%
9/30/2015	0.490%	0.027%	0.401%
10/31/2015	-0.089%	0.027%	-0.069%
11/30/2015	-0.240%	0.030%	-0.201%
12/31/2015	-0.085%	0.034%	-0.070%
1/31/2016	0.917%	0.034%	0.836%
2/29/2016	0.206%	0.036%	0.180%
3/31/2016	0.383%	0.043%	0.333%
4/30/2016	0.044%	0.041%	0.043%
5/31/2016	-0.121%	0.073%	-0.097%
6/30/2016	0.796%	0.048%	0.683%
7/31/2016	0.045%	0.020%	0.040%
8/31/2016	-0.215%	0.052%	-0.185%
9/30/2016	0.105%	0.053%	0.099%
10/31/2016	-0.128%	0.054%	-0.099%

Date	City of Corona	City of Corona Internal Account	City of Corona Consolidated Account
11/30/2016	-0.814%	0.055%	-0.696%
12/31/2016	0.063%	0.074%	0.064%
1/31/2017	0.177%	0.065%	0.163%
2/28/2017	0.203%	0.059%	0.175%
3/31/2017	0.092%	0.062%	0.086%
4/30/2017	0.330%	0.071%	0.282%
5/31/2017	0.236%	0.079%	0.205%
6/30/2017	-0.062%	0.081%	-0.036%
7/31/2017	0.305%	0.086%	0.259%
8/31/2017	0.304%	0.092%	0.269%
9/30/2017	-0.233%	0.092%	-0.181%
10/31/2017	-0.032%	0.094%	-0.007%
11/30/2017	-0.269%	0.096%	-0.213%
12/31/2017	0.026%	0.105%	0.036%
1/31/2018	-0.471%	0.123%	-0.382%
2/28/2018	-0.167%	0.108%	-0.108%
3/31/2018	0.219%	0.129%	0.201%
4/30/2018	-0.200%	0.154%	-0.132%
5/31/2018	0.467%	0.151%	0.405%
6/30/2018	-0.007%	0.151%	0.030%
7/31/2018	-0.005%	0.218%	0.043%
8/31/2018	0.458%	0.169%	0.419%
9/30/2018	-0.167%	0.168%	-0.123%
10/31/2018	0.039%	0.232%	0.062%
11/30/2018	0.384%	0.180%	0.357%
12/31/2018	0.968%	0.196%	0.882%
1/31/2019	0.514%	0.241%	0.477%
2/28/2019	0.166%	0.185%	0.169%
3/31/2019	0.774%	0.206%	0.670%
4/30/2019	0.192%	0.233%	0.200%
5/31/2019	0.822%	0.208%	0.704%
6/30/2019	0.687%	0.201%	0.612%
7/31/2019	-0.046%	0.235%	0.008%
8/31/2019	1.074%	0.199%	0.993%
9/30/2019	-0.144%	0.186%	-0.113%
10/31/2019	0.331%	0.218%	0.320%
11/30/2019	-0.005%	0.169%	0.008%
12/31/2019	0.194%	0.177%	0.193%
1/31/2020	0.845%	0.202%	0.804%
2/29/2020	1.016%	0.150%	0.911%
3/31/2020	0.494%	0.151%	0.461%
4/30/2020	0.757%	0.172%	0.707%
5/31/2020	0.513%	0.115%	0.480%
6/30/2020	0.284%	0.102%	0.272%
7/31/2020	0.259%	0.098%	0.238%
8/31/2020	0.049%	0.066%	0.051%
9/30/2020	0.012%	0.056%	0.016%
10/31/2020	-0.041%	0.060%	-0.034%
11/30/2020	0.137%	0.048%	0.133%
12/31/2020	0.164%	0.047%	0.159%
1/31/2021	-0.022%	0.049%	-0.018%
2/28/2021	-0.335%	0.031%	-0.299%
3/31/2021	-0.129%	0.031%	-0.117%
4/30/2021	0.212%	0.035%	0.195%
5/31/2021	0.228%	0.027%	0.213%
6/30/2021	-0.209%	0.022%	-0.181%
7/31/2021	0.329%	0.024%	0.283%
8/31/2021	-0.040%	0.019%	-0.029%
9/30/2021	-0.253%	0.017%	-0.208%
10/31/2021	-0.464%	0.026%	-0.378%
11/30/2021	-0.053%	0.017%	-0.041%
12/31/2021	-0.152%	0.018%	-0.120%
1/31/2022	-0.932%	0.025%	-0.739%
2/28/2022	-0.504%	0.021%	-0.372%
3/31/2022	-1.740%	0.031%	-1.247%
4/30/2022	-0.885%	0.048%	-0.635%
5/31/2022	0.580%	0.059%	0.460%
6/30/2022	-0.619%	0.070%	-0.430%
7/31/2022	0.761%	0.111%	0.607%
8/31/2022	-1.094%	0.109%	-0.816%
9/30/2022	-1.623%	0.124%	-1.178%

City of Corona Consolidated

Account #10003

Corona Supplemental

As of September 30, 2022



Investments	Par Value	Market Value	Book Value	% of Portfolio	Term	Days to Maturity	YTM
ABS	\$38,834,924.46	\$37,588,922.34	\$38,831,887.44	9.08%			
Agency	\$68,745,000.00	\$63,531,669.36	\$69,211,791.40	16.18%	1,559	1,011	3.761
CMO	\$18,218,302.12	\$17,795,995.36	\$18,731,401.71	4.38%			
Corporate	\$84,131,000.00	\$77,358,871.73	\$83,832,694.69	19.59%			
LAIF	\$114,295,864.70	\$114,295,864.70	\$114,295,864.70	26.71%	1	1	0.680
Money Market Fund	\$709,931.95	\$709,931.95	\$709,931.95	0.17%			
Municipal Bonds	\$3,385,000.00	\$3,253,086.55	\$3,462,753.45	0.81%			
Negotiable CD	\$500,000.00	\$495,044.00	\$500,000.00	0.12%	203	113	0.250
Supranational	\$12,690,000.00	\$11,274,575.41	\$12,633,094.65	2.95%			
US Treasury	\$85,720,000.00	\$80,126,706.39	\$85,667,028.15	20.02%	1,699	864	4.337
TOTAL PORTFOLIO	\$427,230,023.23	\$406,430,667.79	\$427,876,448.14	100.00%	1208	734	1.447
AVERAGE DAILY BALANCE			\$415,526,579.00				



City of Corona Pension Stabilization Trust - Account #10952

MONTHLY ACCOUNT STATEMENT

SEPTEMBER 1, 2022 THROUGH SEPTEMBER 30, 2022

Chandler Team:

For questions about your account, please call (800) 317-4747,
or contact operations@chandlerasset.com

Custodian

Charles Schwab & Co.
Schwab Prime Broker
(877) 518-5226

CHANDLER ASSET MANAGEMENT
chandlerasset.com

Information contained herein is confidential. We urge you to compare this statement to the one you receive from your qualified custodian. Please see Important Disclosures.

City of Corona Pension Stabilization Trust

Account #10952

Portfolio Summary

As of September 30, 2022



PORTFOLIO CHARACTERISTICS

Average Modified Duration	0.00
Average Coupon	0.00%
Average Purchase YTM	0.91%
Average Market YTM	0.00%
Average S&P/Moody Rating	NR/NR
Average Final Maturity	0.00 yrs
Average Life	0.00 yrs

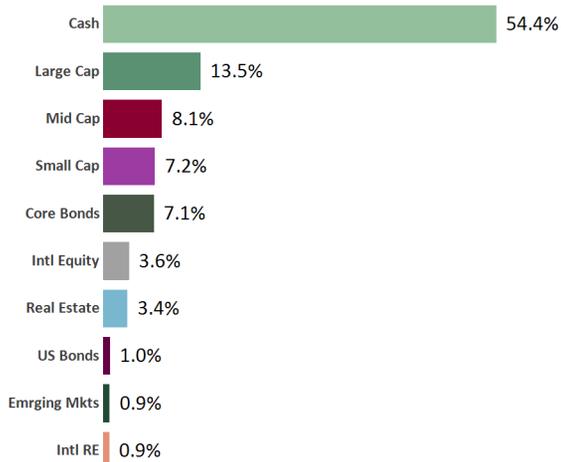
ACCOUNT SUMMARY

	Beg. Values as of 8/31/22	End Values as of 9/30/22
Market Value	29,725,810	28,465,134
Accrued Interest	0	0
Total Market Value	29,725,810	28,465,134
Income Earned	6,496	72,964
Cont/WD		0
Par	15,534,548	15,607,512
Book Value	30,008,314	30,081,278
Cost Value	30,008,314	30,081,278

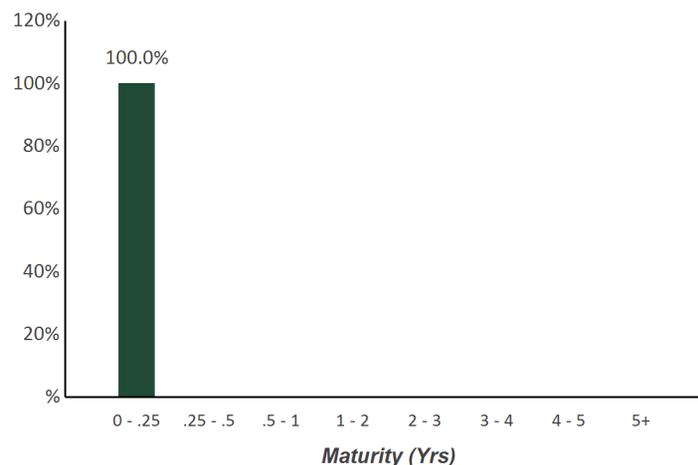
TOP ISSUERS

Bank Cash Account	54.4%
iShares Core S&P 500 ETF	13.5%
iShares Core S&P Mid-Cap ETF	8.1%
Vanguard Small-Cap ETF	7.2%
Vanguard Total Bond Market	7.1%
Vanguard FTSE Developed Markets	3.6%
Vanguard Real Estate ETF	3.4%
SPDR Barclays Capital High Yield	1.0%
Total	98.2%

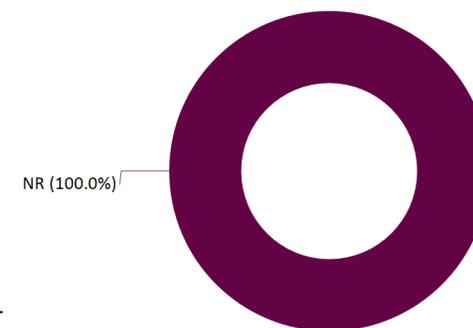
SECTOR ALLOCATION



MATURITY DISTRIBUTION



CREDIT QUALITY (S&P)



PERFORMANCE REVIEW

TOTAL RATE OF RETURN	Annualized									
	1M	3M	YTD	1YR	2YRS	3YRS	5YRS	10YRS	7/31/2022	
City of Corona Pension Stabilization Trust	-4.35%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Multi Asset Class Index*	-6.86%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*35% S&P 500, 15% MSCI EAFE (Europe, Australasia, Israel and the Far East), 50% ICE BofA US Corporate, Government & Mortgage Index

Statement of Compliance

As of September 30, 2022



City of Corona Pension Stabilization Trust

Assets managed by Chandler Asset Management are in full compliance with state law and the Client's investment policy.

Category	Standard	Comment
Fixed Income	10%-30% acceptable range (combined Cash & Fixed Income); Excluding Treasury, Agency obligations, Exchange Traded Funds (ETFs), and Mutual Fund holdings, no individual security holding shall exceed 5% of the portfolio at time of purchase; The allocation of Trust assets shall be maintained within the acceptable range and the policy mix; Individually purchased fixed income securities must, at the time of purchase, have a credit rating of at least "Investment Grade" by one of more NRSRO; Permitted: Fixed-income securities of U.S. and non-U.S. issuers including governments, quasi-government entities, and corporations; Mortgage-backed securities, Asset-backed securities, Money Market Instruments	<i>Does not comply*</i>
Global Equities	50%-80% acceptable range; The allocation of Trust assets shall be maintained within the acceptable range and the policy mix; Permitted: Equity securities of U.S. and non-U.S. issuers	<i>Does not comply*</i>
Commodities (not direct investment)	0%-5% acceptable range; The allocation of Trust assets shall be maintained within the acceptable range and the policy mix	<i>Complies</i>
Real Estate Investment Trusts (REITs)	0%-15% acceptable range; The allocation of Trust assets shall be maintained within the acceptable range and the policy mix; Publicly traded Real Estate Investment Trusts (REITs)	<i>Complies</i>
Commingled Funds	Funds that are consistent with the policy's investment objectives	<i>Complies</i>
Mutual Funds	Mutual Funds that invest in securities permitted by the Investment Policy	<i>Complies</i>
Exchange Traded Funds (ETFs)	ETFs that invest in securities permitted by the Investment Policy	<i>Complies</i>
Cash	10%-30% acceptable range (combined Cash & Fixed Income); The allocation of Trust assets shall be maintained within the acceptable range and the policy mix	<i>Complies</i>
Credit Rating	Individually purchased fixed income securities must, at the time of purchase, have a credit rating of at least "Investment Grade" by one of more NRSRO	<i>Complies</i>
Max per Security Holding	Excluding Treasury, Agency obligations, Exchange Traded Funds (ETFs), and Mutual Fund holdings, no individual security holding shall exceed 5% of the portfolio at time of purchase	<i>Complies</i>

*New account is being invested to desired allocation.

City of Corona Pension Stabilization Trust

Account #10952

Reconciliation Summary

As of September 30, 2022



BOOK VALUE RECONCILIATION		
BEGINNING BOOK VALUE		\$30,008,313.86
Acquisition		
+ Security Purchases	\$0.00	
+ Money Market Fund Purchases	\$72,964.15	
+ Money Market Contributions	\$0.00	
+ Security Contributions	\$0.00	
+ Security Transfers	\$0.00	
Total Acquisitions		\$72,964.15
Dispositions		
- Security Sales	\$0.00	
- Money Market Fund Sales	\$0.00	
- MMF Withdrawals	\$0.00	
- Security Withdrawals	\$0.00	
- Security Transfers	\$0.00	
- Other Dispositions	\$0.00	
- Maturities	\$0.00	
- Calls	\$0.00	
- Principal Paydowns	\$0.00	
Total Dispositions		\$0.00
Amortization/Accretion		
+/- Net Accretion	\$0.00	
		\$0.00
Gain/Loss on Dispositions		
+/- Realized Gain/Loss	\$0.00	
		\$0.00
ENDING BOOK VALUE		\$30,081,278.01

CASH TRANSACTION SUMMARY		
BEGINNING BALANCE		\$15,409,613.15
Acquisition		
Contributions	\$0.00	
Security Sale Proceeds	\$0.00	
Accrued Interest Received	\$0.00	
Interest Received	\$0.00	
Dividend Received	\$72,964.15	
Principal on Maturities	\$0.00	
Interest on Maturities	\$0.00	
Calls/Redemption (Principal)	\$0.00	
Interest from Calls/Redemption	\$0.00	
Principal Paydown	\$0.00	
Total Acquisitions	\$72,964.15	
Dispositions		
Withdrawals	\$0.00	
Security Purchase	\$0.00	
Accrued Interest Paid	\$0.00	
Total Dispositions	\$0.00	
ENDING BOOK VALUE		\$15,482,577.30

City of Corona Pension Stabilization Trust

Account #10952

Holdings Report

As of September 30, 2022



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
CASH									
90CASH\$00	Cash Custodial Cash Account	15,482,577.30	Various 0.00%	15,482,577.30 15,482,577.30	1.00 0.00%	15,482,577.30 0.00	54.39% 0.00	NR / NR NR	0.00 0.00
Total Cash		15,482,577.30	N/A	15,482,577.30	0.00%	15,482,577.30	54.39%	NR / NR	0.00
EMERGING MARKET EQUITY									
922042858	Vanguard FTSE Emerging Markets ETF Due 9/30/2022	7,250.00	Various 3.32%	303,455.48 303,455.48	36.49 0.00%	264,552.50 0.00	0.93% (38,902.98)	NR / NR NR	0.00 0.00
Total Emerging Market Equity		7,250.00	3.32%	303,455.48	0.00%	264,552.50	0.93%	NR / NR	0.00
INTERNATIONAL EQUITY									
921943858	Vanguard ETF FTSE Developed Mkts ETF Due 9/30/2022	28,300.00	Various 3.79%	1,181,070.21 1,181,070.21	36.36 0.00%	1,028,988.00 0.00	3.61% (152,082.21)	NR / NR NR	0.00 0.00
Total International Equity		28,300.00	3.79%	1,181,070.21	0.00%	1,028,988.00	3.61%	NR / NR	0.00
INTERNATIONAL REAL ESTATE									
464288489	ISHARES Intl Developed Real Estate ETF Due 9/30/2022	12,825.00	Various 3.82%	294,507.85 294,507.85	19.04 0.00%	244,188.00 0.00	0.86% (50,319.85)	NR / NR NR	0.00 0.00
Total International Real Estate		12,825.00	3.82%	294,507.85	0.00%	244,188.00	0.86%	NR / NR	0.00
LARGE CAP US EQUITY									
464287200	ISHARES S&P 500 Index ETF	10,690.00	Various N/A	4,355,523.45 4,355,523.45	358.65 N/A	3,833,968.50 0.00	13.47% (521,554.95)	NR / NR NR	0.00 0.00
Total Large Cap US Equity		10,690.00	N/A	4,355,523.45	N/A	3,833,968.50	13.47%	NR / NR	0.00

City of Corona Pension Stabilization Trust

Account #10952

Holdings Report

As of September 30, 2022



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
MID CAP US EQUITY									
464287507	ISHARES S&P Midcap ETF Due 9/30/2022	10,575.00	Various 1.46%	2,586,506.26 2,586,506.26	219.26 0.00%	2,318,674.50 0.00	8.15% (267,831.76)	NR / NR NR	0.00 0.00
Total Mid Cap US Equity		10,575.00	1.46%	2,586,506.26 2,586,506.26	0.00%	2,318,674.50 0.00	8.15% (267,831.76)	NR / NR NR	0.00 0.00
REAL ESTATE									
922908553	Vanguard ETF REIT Due 9/30/2022	12,035.00	Various 2.96%	1,162,421.45 1,162,421.45	80.17 0.00%	964,845.95 0.00	3.39% (197,575.50)	NR / NR NR	0.00 0.00
Total Real Estate		12,035.00	2.96%	1,162,421.45 1,162,421.45	0.00%	964,845.95 0.00	3.39% (197,575.50)	NR / NR NR	0.00 0.00
SMALL CAP US EQUITY									
922908751	Vanguard ETF Small Cap Due 9/30/2022	11,945.00	Various 1.47%	2,286,254.06 2,286,254.06	170.91 0.00%	2,041,519.95 0.00	7.17% (244,734.11)	NR / NR NR	0.00 0.00
Total Small Cap US Equity		11,945.00	1.47%	2,286,254.06 2,286,254.06	0.00%	2,041,519.95 0.00	7.17% (244,734.11)	NR / NR NR	0.00 0.00
US CORE BONDS									
921937835	Vanguard ETF Total Bond Index Due 9/30/2022	28,160.00	Various 2.19%	2,132,941.51 2,132,941.51	71.33 0.00%	2,008,652.80 0.00	7.06% (124,288.71)	NR / NR NR	0.00 0.00
Total US Core Bonds		28,160.00	2.19%	2,132,941.51 2,132,941.51	0.00%	2,008,652.80 0.00	7.06% (124,288.71)	NR / NR NR	0.00 0.00

City of Corona Pension Stabilization Trust

Account #10952

Holdings Report

As of September 30, 2022



CUSIP	Security Description	Par Value/Units	Purchase Date Book Yield	Cost Value Book Value	Mkt Price Mkt YTM	Market Value Accrued Int.	% of Port. Gain/Loss	Moody/S&P Fitch	Maturity Duration
US HIGH YIELD BONDS									
78468R622	SPDR Bloomberg High Yield Bond ETF Due 9/30/2022	3,155.00	Various 5.11%	296,020.44 296,020.44	87.85 0.00%	277,166.75 0.00	0.97% (18,853.69)	NR / NR NR	0.00 0.00
Total US High Yield Bonds		3,155.00	5.11%	296,020.44 296,020.44	0.00%	277,166.75 0.00	0.97% (18,853.69)	NR / NR NR	0.00 0.00
TOTAL PORTFOLIO		15,607,512.30	0.91%	30,081,278.01 30,081,278.01	0.00%	28,465,134.25 0.00	100.00% (1,616,143.76)	NR / NR NR	0.00 0.00
TOTAL MARKET VALUE PLUS ACCRUED						28,465,134.25			

City of Corona Pension Stabilization Trust

Account #10952

Transaction Ledger

As of September 30, 2022



Transaction Type	Settlement Date	CUSIP	Quantity	Security Description	Price	Acq/Disp Yield	Amount	Interest Pur/Sold	Total Amount	Gain/Loss
ACQUISITIONS										
Purchase	09/07/2022	90CASH\$00	4,406.76	Cash Custodial Cash Account	1.000		4,406.76	0.00	4,406.76	0.00
Purchase	09/08/2022	90CASH\$00	1,576.70	Cash Custodial Cash Account	1.000		1,576.70	0.00	1,576.70	0.00
Purchase	09/15/2022	90CASH\$00	3,563.08	Cash Custodial Cash Account	1.000		3,563.08	0.00	3,563.08	0.00
Purchase	09/22/2022	90CASH\$00	7,222.83	Cash Custodial Cash Account	1.000		7,222.83	0.00	7,222.83	0.00
Purchase	09/28/2022	90CASH\$00	18,977.07	Cash Custodial Cash Account	1.000		18,977.07	0.00	18,977.07	0.00
Purchase	09/30/2022	90CASH\$00	37,217.71	Cash Custodial Cash Account	1.000		37,217.71	0.00	37,217.71	0.00
Subtotal			72,964.15				72,964.15	0.00	72,964.15	0.00
TOTAL ACQUISITIONS			72,964.15				72,964.15	0.00	72,964.15	0.00
OTHER TRANSACTIONS										
Dividend	09/07/2022	921937835	28,160.00	Vanguard ETF Total Bond Index	0.000		4,406.76	0.00	4,406.76	0.00
Dividend	09/08/2022	78468R622	3,155.00	SPDR Bloomberg High Yield Bond ETF	0.000		1,576.70	0.00	1,576.70	0.00
Dividend	09/15/2022	90CASH\$00	15,415,596.61	Cash Custodial Cash Account	0.000		3,563.08	0.00	3,563.08	0.00
Dividend	09/22/2022	921943858	28,300.00	Vanguard ETF FTSE Developed Mkts ETF	0.000		3,384.68	0.00	3,384.68	0.00
Dividend	09/22/2022	922042858	7,250.00	Vanguard FTSE Emerging Markets ETF	0.000		3,838.15	0.00	3,838.15	0.00
Dividend	09/28/2022	922908553	12,035.00	Vanguard ETF REIT	0.000		11,028.87	0.00	11,028.87	0.00
Dividend	09/28/2022	922908751	11,945.00	Vanguard ETF Small Cap	0.000		7,948.20	0.00	7,948.20	0.00
Dividend	09/30/2022	464287200	10,690.00	ISHARES S&P 500 Index ETF	0.000		20,373.75	0.00	20,373.75	0.00
Dividend	09/30/2022	464287507	10,575.00	ISHARES S&P Midcap ETF	0.000		14,280.13	0.00	14,280.13	0.00
Dividend	09/30/2022	464288489	12,825.00	ISHARES Intl Developed Real Estate ETF	0.000		2,563.83	0.00	2,563.83	0.00
Subtotal			15,540,531.61				72,964.15	0.00	72,964.15	0.00
TOTAL OTHER TRANSACTIONS			15,540,531.61				72,964.15	0.00	72,964.15	0.00

City of Corona Pension Stabilization Trust

Income Earned



Account #10952

As of September 30, 2022

CUSIP	Security Description	Trade Date Settle Date Units	Book Value: Begin Book Value: Acq Book Value: Disp Book Value: End	Prior Accrued Inc. Received Ending Accrued Total Interest	Accr. Of Discount Amort. Of Premium Net Accret/Amort Income Earned	Total Income
EQUITY						
464287200	ISHARES S&P 500 Index ETF	Various Various 10,690.00	4,355,523.45 0.00 0.00 4,355,523.45	0.00 20,373.75 0.00 20,373.75	0.00 0.00 0.00 20,373.75	20,373.75
464287507	ISHARES S&P Midcap ETF	Various Various 10,575.00	2,586,506.26 0.00 0.00 2,586,506.26	0.00 14,280.13 0.00 14,280.13	0.00 0.00 0.00 14,280.13	14,280.13
464288489	ISHARES Intl Developed Real Estate ETF	Various Various 12,825.00	294,507.85 0.00 0.00 294,507.85	0.00 2,563.83 0.00 2,563.83	0.00 0.00 0.00 2,563.83	2,563.83
78468R622	SPDR Bloomberg High Yield Bond ETF	Various Various 3,155.00	296,020.44 0.00 0.00 296,020.44	0.00 1,576.70 0.00 1,576.70	0.00 0.00 0.00 1,576.70	1,576.70
921937835	Vanguard ETF Total Bond Index	Various Various 28,160.00	2,132,941.51 0.00 0.00 2,132,941.51	0.00 4,406.76 0.00 4,406.76	0.00 0.00 0.00 4,406.76	4,406.76
921943858	Vanguard ETF FTSE Developed Mkts ETF	Various Various 28,300.00	1,181,070.21 0.00 0.00 1,181,070.21	0.00 3,384.68 0.00 3,384.68	0.00 0.00 0.00 3,384.68	3,384.68
922042858	Vanguard FTSE Emerging Markets ETF	Various Various 7,250.00	303,455.48 0.00 0.00 303,455.48	0.00 3,838.15 0.00 3,838.15	0.00 0.00 0.00 3,838.15	3,838.15
922908553	Vanguard ETF REIT	Various Various 12,035.00	1,162,421.45 0.00 0.00 1,162,421.45	0.00 11,028.87 0.00 11,028.87	0.00 0.00 0.00 11,028.87	11,028.87

City of Corona Pension Stabilization Trust

Account #10952

Income Earned

As of September 30, 2022



CUSIP	Security Description	Trade Date Settle Date Units	Book Value: Begin Book Value: Acq Book Value: Disp Book Value: End	Prior Accrued Inc. Received Ending Accrued Total Interest	Accr. Of Discount Amort. Of Premium Net Accret/Amort Income Earned	Total Income
922908751	Vanguard ETF Small Cap	Various Various 11,945.00	2,286,254.06 0.00 0.00 2,286,254.06	0.00 7,948.20 0.00 7,948.20	0.00 0.00 0.00 7,948.20	7,948.20
			14,598,700.71	0.00	0.00	
			0.00	69,401.07	0.00	
			0.00	0.00	0.00	
Total Equity		124,935.00	14,598,700.71	69,401.07	69,401.07	69,401.07
CASH & EQUIVALENT						
90CASH\$00	Cash Custodial Cash Account	Various Various 15,482,577.30	15,409,613.15 72,964.15 0.00 15,482,577.30	0.00 3,563.08 0.00 3,563.08	0.00 0.00 0.00 3,563.08	3,563.08
			15,409,613.15	0.00	0.00	
			72,964.15	3,563.08	0.00	
			0.00	0.00	0.00	
Total Cash & Equivalent		15,482,577.30	15,482,577.30	3,563.08	3,563.08	3,563.08
			30,008,313.86	0.00	0.00	
			72,964.15	72,964.15	0.00	
			0.00	0.00	0.00	
TOTAL PORTFOLIO		15,607,512.30	30,081,278.01	72,964.15	72,964.15	72,964.15

City of Corona Pension Stabilization Trust

Account #10952

Cash Flow Report

As of September 30, 2022



Payment Date	Transaction Type	CUSIP	Quantity	Security Description	Principal Amount	Income	Total Amount
10/03/2022	Purchase	464287200	6,960.00	ISHARES S&P 500 Index ETF	-2,528,289.60	0.00	-2,528,289.60
10/03/2022	Purchase	464288489	10,260.00	ISHARES Intl Developed Real Estate ETF	-191,142.45	0.00	-191,142.45
10/03/2022	Purchase	921943858	18,715.00	Vanguard ETF FTSE Developed Mkts ETF	-681,600.30	0.00	-681,600.30
10/03/2022	Purchase	464287507	6,910.00	ISHARES S&P Midcap ETF	-1,519,993.41	0.00	-1,519,993.41
10/03/2022	Purchase	78468R622	1,720.00	SPDR Bloomberg High Yield Bond ETF	-151,592.20	0.00	-151,592.20
10/03/2022	Purchase	922042858	4,475.00	Vanguard FTSE Emerging Markets ETF	-163,238.63	0.00	-163,238.63
10/03/2022	Purchase	922908751	8,015.00	Vanguard ETF Small Cap	-1,373,675.23	0.00	-1,373,675.23
10/03/2022	Purchase	921937835	13,760.00	Vanguard ETF Total Bond Index	-984,043.66	0.00	-984,043.66
10/03/2022	Purchase	922908553	9,530.00	Vanguard ETF REIT	-755,532.68	0.00	-755,532.68
10/03/2022	Sale	90CASH\$00	8,349,108.16	Cash Custodial Cash Account	8,349,108.16	0.00	8,349,108.16
OCT 2022					0.00	0.00	0.00
TOTAL					0.00	0.00	0.00



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Custody: Your qualified custodian bank maintains control of all assets reflected in this statement and we urge you to compare this statement to the one you receive from your qualified custodian. Chandler does not have any authority to withdraw or deposit funds from/to the custodian account.

Valuation: Prices are provided by IDC, an independent pricing source. In the event IDC does not provide a price or if the price provided is not reflective of fair market value, Chandler will obtain pricing from an alternative approved third party pricing source in accordance with our written valuation policy and procedures. Our valuation procedures are also disclosed in Item 5 of our Form ADV Part 2A.

Performance: Performance results are presented gross-of-advisory fees and represent the client's Total Return. The deduction of advisory fees lowers performance results. These results include the reinvestment of dividends and other earnings. Past performance may not be indicative of future results. Therefore, clients should not assume that future performance of any specific investment or investment strategy will be profitable or equal to past performance levels. All investment strategies have the potential for profit or loss. Economic factors, market conditions or changes in investment strategies, contributions or withdrawals may materially alter the performance and results of your portfolio.

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Ratings: Ratings information have been provided by Moody's, S&P and Fitch through data feeds we believe to be reliable as of the date of this statement, however we cannot guarantee its accuracy.

Security level ratings for U.S. Agency issued mortgage-backed securities ("MBS") reflect the issuer rating because the securities themselves are not rated. The issuing U.S. Agency guarantees the full and timely payment of both principal and interest and carries a AA+/Aaa/AAA by S&P, Moody's and Fitch respectively.



Benchmark Index	Disclosure
Multi Asset Class Index*	<p>The S&P 500 is a market value weighted index of 500 large-capitalization stocks. The 500 companies included in the index capture approximately 80% of available US market capitalization.</p> <p>The MSCI EAFE International Equity Index is a market capitalization weighted index that captures international equity performance of large- and mid-cap stocks in the developed stock markets of Europe, Australasia, and the Far East.</p> <p>The ICE BofA US Corporate, Government & Mortgage Index tracks the performance of US dollar denominated investment grade debt publicly issued in the US domestic market, including US Treasuries, quasi-governments, corporates, covered bonds and residential mortgage pass-throughs. Non-residential mortgage collateralized debt such as commercial mortgage backed securities and asset backed securities are excluded from this index, as are all collateralized mortgage obligations. Most qualifying securities must have an investment grade rating (based on an average of Moody's, S&P and Fitch). They must also have at least one year remaining term to final maturity, at least 18 months to final maturity at point of issuance and a fixed coupon schedule. Amounts outstanding for qualifying US Treasuries must be at least \$1 billion; US agencies, foreign governments, supranationals, corporates and covered bonds must have at least \$250 million outstanding. Qualifying residential mortgage pass-through securities include fixed rate securities publicly issued by US agencies. 30-year, 20-year and 15-year fixed rate mortgage pools must have at least one year remaining term to final maturity and a minimum amount outstanding of at least \$5 billion per generic coupon and \$250 million per production year within each generic coupon.</p>



Staff Report

File #: 22-0871

REQUEST FOR CITY COUNCIL ACTION

DATE: 11/16/2022

TO: Honorable Mayor and City Council Members

FROM: Fire Department

SUBJECT:

Expansion of the Wildland Protection Agreement between the City of Corona and the California Department of Forestry and Fire Protection.

EXECUTIVE SUMMARY:

This staff report asks City Council to approve expanding the Wildland Protection Agreement between the City of Corona and the California Department of Forestry and Fire Protection (CAL FIRE). The expansion increases the acreage covered by the agreement from 721 to 1,879. The additional 1,158 acres add a portion of Eagle Valley, which falls within the City of Corona's Direct Protection Area, commonly referred to as the Local Responsibility Area. The costs for additional firefighting resources (air and land) in the Local Responsibility Area fall on the authority having jurisdiction, in this case, the City of Corona. The Wildland Protection Agreement provides specialized resource requests at a predetermined amount, ensuring that there will be no additional or exorbitant costs absorbed by the City beyond the terms of the agreement during CAL FIRE assisted emergency response efforts.

RECOMMENDED ACTION:

That the City Council:

- a. Approve the expanded Wildland Protection Agreement for Automatic and Mutual Aid in Fire Emergency Services between the City of Corona and the California Department of Forestry and Fire Protection.
- b. Authorize the City Manager, or his/her designee, to execute the Wildland Protection Agreement for Automatic and Mutual Aid in Fire Emergency Services between the City of Corona and the California Department of Forestry and Fire Protection annually until such time either party cancels the agreement in its entirety.

BACKGROUND & HISTORY:

Several terms are applicable when identifying the responsible jurisdiction to provide firefighting resources. Direct Protection Area (DPA) is where a particular fire protection organization is primarily responsible for attacking an uncontrolled fire and directing the suppression action. Federal Responsibility Areas (FRA) are areas for which Federal Agencies are responsible for wildland fire protection under various federal laws. State Responsibility Area (SRA) is a legal term defining the area where the State has financial responsibility for wildland fire protection. Local Responsibility Areas (LRA) are lands on which neither the State nor the federal government has any legal responsibility for providing fire protection.

On October 20, 2021, the City Council approved a Wildland Protection Agreement between CAL FIRE and the City of Corona for 721 acres of LRA in the Prado Basin. The original agreement is being amended to add a second geographic area that is prone to wildland fires. The added Wildland Protection Agreement's area of focus is east of the 15-freeway known as Eagle Valley. Corona Fire has responded to 54 fires in the Eagle Valley LRA since July 2019. Though CAL FIRE often absorbs much of the costs due to the proximity to SRAs, the final incident costs can be significant. For example, the 2020 Airport Fire in the Prado Basin cost nearly \$4 million. Full containment of this wildland fire did not occur for 14 days, and the fire impacted businesses and flight operations at the City's airport. The recommended Wildland Protection Agreement eliminates specialty resource (aircraft, fire crews, and dozers) ordering delays and significantly reduces potential costs to the City of Corona.

Multiple municipalities in Southern California have Wildland Protection Agreements with CAL FIRE. Some examples of those cities include Anaheim, Beaumont, Calimesa, Chino, Colton, Jurupa Valley, Lake Elsinore, Loma Linda, Menifee, Murrieta, Rancho Cucamonga, Redlands, and Wildomar.

ANALYSIS:

This Wildland Protection Agreement is intended to establish a wildland fire response plan for areas within the City in coordination with CAL FIRE. Wildland fires are considered a significant natural disaster risk faced by the City. The City is in a wind-prone area, and it is not uncommon for fires to grow beyond the local capability of the resources assigned to protect the City. When a wildland fire extends beyond the ability and capacity of local resources, assistance requested from CAL FIRE provides help and resources. The Wildland Protection Agreement includes specialized wildland firefighting resources such as fixed and rotary-wing aircraft, dozers, and hand crews. Without a Wildland Protection Agreement, these resources may be charged at an hourly rate of assistance by hire when fighting a fire in the LRA. As a point of reference, a specialty resource request for a high wildland threat dispatch may be approximately \$50,000 for the first hour of the incident. All these expenses would be covered under the Wildland Protection Agreement and are designed to increase and improve interagency coordination and save the City on the cost to combat wildland fires.

FINANCIAL IMPACT:

The recommended action increases the City's Wildland Protection Agreement with CAL FIRE by \$39,941 annually. The current annual cost of the Wildland Protection Agreement is \$27,095. Beginning in Fiscal Year 2024, the Wildland Protection Agreement will be increased to \$67,036 annually. Recurring annual costs will be requested during the City's budget process.

ENVIRONMENTAL ANALYSIS:

This action is exempt according to Section 15061(b)(3) of the Guidelines for the California Environmental Quality Act (CEQA), which states that a project is exempt from CEQA if the activity is covered by the commonsense exemption that CEQA applies only to projects that have the potential for causing a significant effect on the environment. Where 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. This action merely approves an agreement, and there is no possibility that adopting this resolution will have a significant effect on the environment. Therefore, no environmental analysis is required, and staff will file a Notice of Exemption with the County of Riverside.

PREPARED BY: JUSTIN MCGOUGH, DEPUTY FIRE CHIEF

REVIEWED BY: BRIAN YOUNG, FIRE CHIEF

Attachments:

1. Exhibit 1 - LRA WPA Reimbursement Agreement
2. Exhibit 2 - Eagle Valley WPA Expansion Map

LOCAL RESPONSIBILITY AREA (LRA) WILDLAND PROTECTION REIMBURSEMENT AGREEMENT

Program Cost Account (PCA #) TBD

THIS IS THE BUDGET PLAN FOR THE LOCAL RESPONSIBILITY AREA (LRA)
WILDLAND FIRE PROTECTION REIMBURSEMENT AGREEMENT BETWEEN THE
STATE OF CALIFORNIA, DEPARTMENT OF FORESTRY & FIRE PROTECTION (CAL FIRE)
AND THE CITY/TOWN OF Corona A LOCAL AGENCY
FOR THE 2022/2023 FISCAL YEAR

AGREEMENT COST CALCULATIONS:

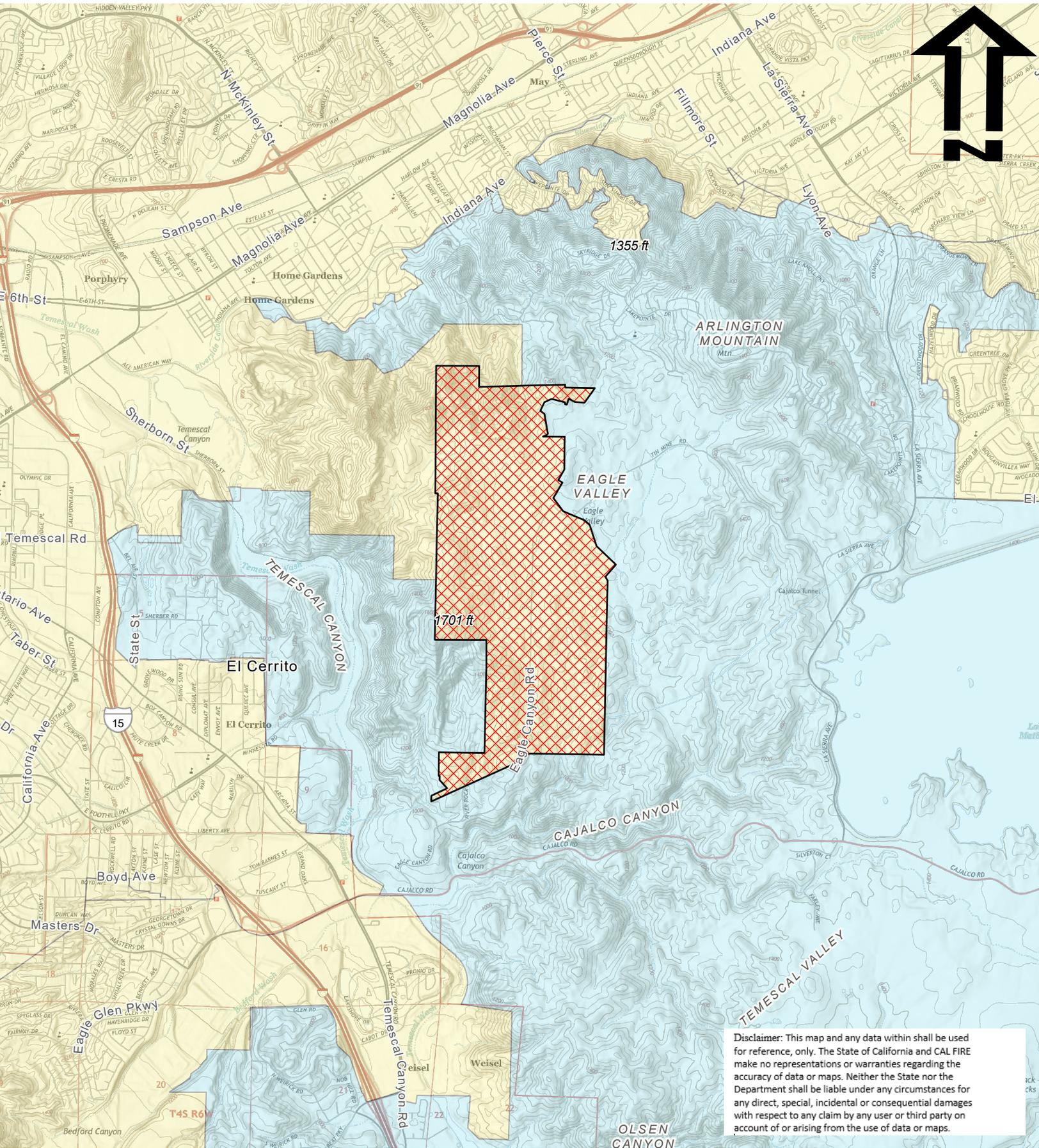
Number of Acres 1157

General Fund Reimbursement	\$ 12.97	\$ 15,006.29
Unit Budget	\$ 17.85	\$ 20,652.45
<hr/>		
Sub-Total		\$ 35,658.74
Admin Rate	12.01%	\$ 4,282.61
<hr/>		
Total Protection Cost		\$ 39,941.35

Comments Section:

Eagle Valley Proposed WPA Area

Acres: 1157.96



-  Proposed WPA Area
-  California Department of Forestry and Fire Protection
-  Local



Disclaimer: This map and any data within shall be used for reference, only. The State of California and CAL FIRE make no representations or warranties regarding the accuracy of data or maps. Neither the State nor the Department shall be liable under any circumstances for any direct, special, incidental or consequential damages with respect to any claim by any user or third party on account of or arising from the use of data or maps.





Staff Report

File #: 22-0880

**REQUEST FOR CITY COUNCIL AND
CORONA UTILITY AUTHORITY ACTION**

DATE: 11/16/2022

TO: Honorable Mayor and City Council Members
Honorable President and Board Members

FROM: Utilities Department

SUBJECT:

Issuance of a Purchase Order to Ovivo USA LLC for Water Reclamation Facility 1 Digester No. 2 Dome Cover Replacement.

EXECUTIVE SUMMARY:

This staff report asks the Council to authorize the issuance of a purchase order to Ovivo USA LLC (Ovivo) in the amount of \$293,341 for the purchase of an anaerobic digester steel dome cover for Water Reclamation Facility No. 1 (WRF1). WRF1 is located at 2205 Railroad Street and can treat up to 11.5 million gallons of raw sewage per day. The treatment process includes anaerobic digestion in three digesters and sludge dewatering before hauling to a composting site or processing in the dryer. Digester No. 2's traveling dome cover has reached the end of its useful life; therefore, Staff is recommending the dome cover be replaced.

RECOMMENDED ACTION:

That the:

- a. City Council authorize an appropriation for \$274,115 from the Sewer Utility Fund (572) to the Capital Improvement Project No. 77230, titled Water Reclamation Facility 1 Digester Dome Replacement Project.
- b. City Council authorize the Purchasing Manager to issue a purchase order for \$293,341 to Ovivo for purchase of Ovivo fixed steel dome cover equipment for Water Reclamation Facility 1 Digester Replacement Project No 77230.

- c. City Council authorize the City Manager, or his designee, to negotiate and execute non-substantive extensions, change orders and amendments up to 10% of total contract cost or \$29,334 as authorized by Corona Municipal Code [Section 3.08.060\(J\)](#).
- d. Corona Utility Authority review, ratify, and to the extent necessary, direct the City Council to take the above actions.

BACKGROUND & HISTORY:

Digesters are an essential part of the water reclamation process. The digestion process helps break down the organic matter and waste products in the sludge removed from the sewage treated at the plant. This process is accomplished by using naturally occurring microorganisms to break down organic materials into methane and carbon dioxide. The material left after the anaerobic digestion process is called "digestate." Digestate is a wet mixture that is usually separated into a solid and a liquid. Digestate is rich in nutrients and can be used as fertilizer.

The existing steel dome cover for Digester No. 2 was installed in 1999 as part of a repair and upgrade project. After 23 years of service, the existing steel dome cover due to age and corrosion over the years, is at the end of its useful life with no practical options for repair and is in need of replacement.

ANALYSIS:

A new dome cover for Digester No. 2 is needed to maintain WRF1's ability to treat sewage. Staff employed one of the City's contracted engineering firms, Webb & Associates (Webb), to evaluate the replacement of the existing dome cover. As part of the evaluation, a concrete dome cover design was explored to match the other two existing digesters. The concrete dome cover, however, would cause a major retrofit to the existing concrete tank due to the extra weight of a concrete dome cover. The existing steel dome cover weighs approximately 40,000 pounds. A new dome cover exceeding this weight will require a seismic retrofit to thicken the walls and tank floor and extend the wall's footing. These requirements are not viable based on the impact to the surrounding facilities and the existing digester walls and foundation.

Webb determined that a concrete dome cover is not viable; therefore, they suggested a fixed steel dome cover as the next best option. A steel dome cover is lighter than a concrete lid and will not require major seismic retrofits to the existing concrete tank and tank foundation. Currently, WRF1 is processing sludge in Digester Nos. 1 and 3; Digester No. 2 has been decommissioned due to corrosion that has compromised the structural integrity and due to a methane gas leak. These digesters process sludge from WRF1, WRF2 and WRF3. Having one digester out of service has impacts on sludge processing capacity. Staff notified the Santa Ana Regional Water Quality Control Board of impacted sludge processing. Webb/Aqua Engineering performed bidding services on behalf of the City, having the expertise to prepare the scope of work and assist the City with specialized services. The project was bid as a Request for Proposal (RFP) using following evaluation criteria: 1. Equipment Weight; 2. Installed Capital Cost; 3. Experience; 4. Lead Time, and 5. Warranties.

There are only three reputable digester dome equipment manufacturers and all three were solicited through a formal RFP process and asked to provide proposals for their fixed steel dome covers.

WesTech and Ovivo submitted their bids on time with their standard designs for fixed dome covers. OTI submitted their bid after the bid due date. Unfortunately, the standard fixed dome cover with steel skirt proposed by each manufacturer exceeded 40,000 pounds. According to Webb’s structural engineer, any dome design that exceeded Digester No. 2’s existing dome weight of 40,000 pounds would require seismic retrofit to the Digester’s walls. Knowing the challenging weight limitation, the original proposal from Ovivo included an optional bid for a membrane skirt design for a fixed steel dome cover weighing less than 40,000 pounds.

Manufacturer	Sealing Type	Submittal Duration	Fabrication Duration	Cover Weight	Cost/unit
WesTech	12' Skirt	6 to 8 Weeks	24 to 26 Weeks	51,300 lbs	\$361,784
Ovivo (Base)	12' Skirt	6 Weeks	24 Weeks	56,000 lbs	\$315,540
Ovivo (Alt Bid 1)	Membrane Seal	6 Weeks	22 Weeks	34,000 lbs	\$293,341
Ovivo (Alt Bid 2)	Membrane Seal	6 Weeks	20 Weeks	8,000 lbs	\$300,239
OTI	12' Skirt	3 to 5 Weeks	14 to 20 Weeks	52,000 lbs	\$224,670

Webb’s design engineers reviewed the proposed alternative bid option and found it to be most viable option. Webb has compared the pricing and operational capability with other proposals received from the manufacturers for their standard design. Their analysis shows the price is favorable compared to other steel dome cover designs.

The quote received from Ovivo includes the cost for equipment, freight, and technical support services that includes onsite startup, training and assistance in automation startup. The cost for submittals and manufacturer shop drawings is \$15,172. The cost for equipment is \$278,169. The manufacturer will provide a 36-month warranty.

Acquisition of the dome cover has a relatively long manufacturing and delivery lead time of 6 weeks for submittals to the engineer and 22 weeks for fabrication upon submittal approval.

Following City Council approval and issuance of the purchase order, Ovivo will start design and manufacturing of the steel dome cover. At the same time, work will begin on completing the installation bid documents while the steel dome cover is fabricated. Once the plans and specifications are complete, the project will be bid for installation of the equipment in accordance with the Corona Municipal Code (CMC) [Section 3.08.110](#). Staff and Webb will coordinate the bidding and construction efforts with Ovivo and the delivery schedule to complete the project on time. Award of the construction contract will be presented to the City Council for consideration of approval after completing the public project bidding process in accordance with CMC.

Staff is requesting an appropriation of \$274,115 from the Sewer Utility Fund (572) to the Capital Improvement Project No. 77230, titled Water Reclamation Facility 1 Digester Dome Replacement and authorize the Purchasing Manager to issue a purchase order for \$293,341 to Ovivo for purchase of Ovivo fixed steel dome cover equipment for the above mentioned project.

FINANCIAL IMPACT:

Partial funding for the recommended action is currently available in the Fiscal Year 2023 Capital Improvement Project No. 77230. UD requests an additional appropriation of \$274,115 from the Sewer Utility Fund (572) to the Water Reclamation Facility 1 Digester Dome Replacement Project (77230). There is sufficient working capital in the Sewer Utility Fund (572) for the recommended actions.

Current Project Budget

Design, plans and specification	\$201,440
Project management/administration	\$70,000
Estimated staff time	\$30,000
Fixed Steel Dome Cover/shipping/startup	\$293,341
Contingency	\$29,334
Total	\$624,115
Available Funds in CIP 77230	\$350,000
Requested Funds	\$274,115

The installation funding request will be presented to the City Council for approval at a future Council meeting.

ENVIRONMENTAL ANALYSIS:

This action is categorically exempt pursuant to Section 15301 of the Guidelines for the California Environmental Quality Act (CEQA), which states that operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that existing at the time of the CEQA determination, and is therefore exempt from CEQA. This action involves digester dome cover replacement within the existing water reclamation systems. Therefore, no environmental analysis is required.

PREPARED BY: AFTAB HUSSAIN, MAINTENANCE MANAGER

REVIEWED BY: TOM MOODY, DIRECTOR OF UTILITIES

Attachment:

1. Exhibit 1 - Ovivo Proposal

CORONA WRF

CORONA, CA

PREPARED FOR

AQUA Engineering, Inc
Justin Logan
Justin.logan@aquaeng.com

AREA REPRESENTATIVE

Coombs Hopkins Company (CHC)
James Goldhardt
james@chcwater.com

NOTE

Addendums No. 1 has been received and reviewed

Please note, Pricing is only valid through the Expiration Date listed in this proposal. Ovivo will not accept purchase orders for this proposal past that date without reviewing pricing and delivery of items proposed.

PREPARED BY

Sergio Gomez
Phone (801) 931-3000
Fax (801) 931-3080
Sergio.Gomez@ovivowater.com

Ovivo USA, LLC
4246 Riverboat Road – Suite 300
Salt Lake City, Utah 84123-2583



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DATE: September 20, 2022

TO: CORONA WRF
CORONA, CA

RFP DATE: SEPTEMBER 21, 2022

Ovivo USA, LLC is pleased to submit a proposal for the following equipment (the “Products”) on the project indicated above (the “Project”). This proposal, either in its original form or in its “as sold” format, constitutes Ovivo’s contractual offer of goods and services in connection with the Project. Please contact Ovivo’s sales representative in your area for any questions or comments you may have in connection with this proposal. The address is:

Coombs Hopkins Company (CHC)
8706 South 700 East
Suite 201
Sandy, UT 84070

Attention: James Goldhardt
Telephone: 801.674.2177
Office: 801.305.4231
Email: james@chcwater.com

BID CONFIGURATION SUMMARY

ITEM	SPECIFICATION SECTION	EQUIPMENT	QUANTITY	PRICE ¹
BASE BID	437000	Ovivo® Steel Covers (Model: 50 F1)	One (1)	See Included Cost Proposal
ALT I	437000	Ovivo® Steel Covers (Model: 50 U1)	One (1)	
ALT II	437000	Ultrastore™ Membrane Gasholders (Model: 2M-¼-TM-50)	One (1)	

¹ All prices in US Dollars. Price valid for 30 days only.

NOTE: Pricing is based on Ovivo’s T&C’s, note that Ovivo is willing to negotiate these T&Cs terms conditions to come to a mutual agreement if needed, however, modified terms may have an impact on the schedule.

PROPOSAL SUMMARY / EXPERIENCE

OVIVO (Formerly known as Eimco Water Technologies) has been providing digester covers for nearly 100 years (the first cover was provided back in 1929)! No other manufacturer in the industry has as much experience as Ovivo does on radial beam covers. Throughout the years, Ovivo has shipped over 1,000 covers within the US and many more globally. Furthermore, Ovivo has provided over 350 Membrane covers globally with about 50 of those in the US. Finally, Ovivo has provided 1,000s of externally mounted mixers (more on why this is importation under Alternate 2. There is probably no configuration that Ovivo has not looked at, let alone provided, regarding radial beam and membrane gasholder covers.

With Ovivo's extensive knowledge and experience with covers, Ovivo is proposing three options for consideration and evaluation for the Corona Water Reclamation Facility #1 on Digester #2. Knowing that the project is time sensitive and that the weight of the equipment is critical, the options presented take these parameters and others into consideration.

Base Bid: The first option presented reflects what is requested in the specifications (Please see the "Base Bid" section below for further details and scope of supply), which is a traditional fixed radial beam steel cover. It should be noted that the specifications require the skirt to be 1ft below the minimum liquid level, thus requiring the skirt to be 12 ft long. It is understood that the skirt should be at this elevation for sealing purposes; however, by doing so it increases the overall cover weight, adds to the fabrication time in addition to the construction time. For this reason, Ovivo is proposing two alternatives that meets the intent of the specifications but reduces the cover weight. Furthermore, the cover will be designed to allow for the listed gas scrubber to be mounted on top of the cover

Alternate 1: The first alternative is similar to the Base Bid, however, opposed to providing a long skirt, Ovivo is proposing its patent pending Ultraseal design (Please see the "Alternate 1" section below for further details and scope of supply). The Ultraseal design is superior to the Base Bid for this application in four main ways (among others); 1) the overall cover weight is nearly 20,000 lbs lighter. 2) The loading of the cover will be transferred to the supplied corbels, allowing for shear loading into the anchors and removing any lateral loading, 3) the cover is completely sealed around the perimeter preventing the release of any gases or odors and 4) because the cover has no skirt, installation and construction can be done easier and faster. Furthermore, the cover will be designed to allow for the listed gas scrubber to be mounted on top of the cover

Alternate 2: The second alternate is using a different approach but can be completed quicker in addition to offering cost savings (Please see the "Alternate 2" section below for further details and scope of supply). A membrane gasholder is being proposed to be evaluated. In order to allow for the scrubber to be installed, a platform that will mount to the top of the tank wall and hang over will be provided. This platform is the same platform

that Ovivo has provided on their EDT Mixers (with 1,000's of them being installed). A membrane gasholder can be fabricated in a shorter duration (with only the fans being the long lead items) and can be installed in a fraction of the time that it would take to install a steel cover. Furthermore, a membrane gasholder is a fraction of the weight of any steel cover configuration.

BID OPTIONS COMPARISON TABLE

Comparison including weights and lead times

Bid Type	Type	Sealing Type	Equipment Weight	Submittal Duration ¹	Fabrication Duration ²	Installation Duration ³
Base Bid 50 F1	Steel Cover	12' Skirt	56,000 lbs / 28 psf	6 Weeks	24 Weeks	~12-16 weeks
Alternate Bid 1 50 U1	Steel Cover	Membrane Seal	34,000 lbs / 16.8 psf	6 Weeks	22 Weeks	~12-16 weeks
Alternate Bid 2 2M-¼-TM-50	Membrane Cover	Membrane Seal	8,000 lbs / ⁴891 psf	6 Weeks	20 Weeks	~4-5 Weeks

¹ Based on Ovivo's terms and conditions for review and negotiation if required

² After approved submittals and based on Ovivo's terms and conditions.

³ Estimate only and based on our experience. Installation duration is greatly impacted by the experience of the contractor, size of crew and lay down area.

⁴ Loading is based on the psf applied to the seal ring around the parameter of the top of the tank wall, anchored in every 5-6 inches with mechanical anchors.

Ovivo has a great deal of experience with all options included above and is willing to provide the necessary support to help provide the smoothest and quickest installation possible. Ovivo highly recommends having direct communication with the engineer during the submittal process to minimize time (and is even willing to go to the Aqua office during the review period to help answer questions and minimize the back-and-forth submittals). Furthermore, Ovivo will offer pre-construction calls with the contractor to discuss details such as lift plans, and other conversations to help the construction schedule as well. ¼

DELIVERY

Ovivo will submit drawings and other information for approval within six (6) weeks after Purchaser's receipt of Ovivo's written acknowledgement of an approved purchase order. Purchaser shall approve all submittals and release for fabrication no more than four (4) weeks from Ovivo's initial submittal date. Ovivo intends to ship all Products based on the scheduled shown in the Comparison Table above.

It should be noted that If Purchaser submits a PO not conforming to this proposal in its entirety, Ovivo makes no guarantee that an executed contract can be completed by the durations shown. Ovivo's required terms are included in this proposal. Ovivo will begin to work on submittals/shop drawings only after a conforming purchase order is acknowledged or a contract is fully executed.

WARRANTY

Ovivo’s scope includes an extended warranty for the three proposed options, as follows: The warranty period included is thirty-six (36) months from startup of the equipment but not to exceed forty-two (42) months from shipment.

CONTRACT MANAGER

Name: Rusty Sirwaitis
 Title: Project Manager
 Office Address: 4246 S. Riverboat Road, Suite 300. Salt Lake City, UT 84123
 Office Phone Number: (801) 931-3026
 Mobile Phone Number: (801) 388-5622
 E-Mail Address: rusty.sirwaitis@ovivowater.com

DESIGN PARAMETERS

PARAMETER	DATA	SPECIFICATION/ DRAWING
Number of Digester	One (1) Digester No. 2	Section 1.1 A
Tank Diameter	50 ft	Section 1.3 A 1
Wall Thickness	17 in	Section 1.3 A 2
Top of Tank Elevation	35 ft 2 in	Section 1.3 A 3
Max. Liquid Level Elevation	28 ft	Section 1.3 A 4
Min. Liquid Level Elevation	24 ft	Section 1.3 A 5
Bottom of Skirt Plate	23 ft	Section 2.2 C
Bottom of Wall Elevation ¹	0 ft	N/A
Tank Height ¹	35 ft 2 in	N/A
Design Pressure ¹	18 in w.c	N/A
Operating Pressure	11.5 in w.c	Section 1.3 A 6
Relief Pressure	17 in w.c	Section 1.3 A 7
Live Load	40 psf	Section 1.3 A 8
Vacuum Load	2 in w.c	Section 1.3 A 9
Seismic	Zone D	Section 1.3 A 10
Wind Speed	CBC 2018 and applicable ASCE 7-16	Section 1.3 A 11

¹ This parameter was not listed, the data listed is an assumption, please confirm.

Please note that the cover design and price are based on the design parameters listed above. Any modification or change to elevation could constitute in a change order.

BASE BID – ANAEROBIC DIGESTER COVER – SPECIFICATION SECTION 437000

DESCRIPTION AND PERFORMANCE

Ovivo provides a variety of digester steel covers. Each digester steel cover is constructed as a dome-shaped segment of a sphere, offering maximum strength and structural integrity. The digester steel covers are radial beam designed to be erected quickly and efficiently, this is a simple, rigged structural design. The thrust ring is installed at the periphery of each cover to absorb all design loads without transmitting excessive forces to the concrete digester wall. During erection, the cover is supported by radial beams attached to a center ring and the thrust ring which add strength to the complete unit.



Figure 1: Ovivo® Fixed Steel Cover

TECHNICAL DATA

Ovivo proposes to furnish one (1) Ovivo® Fixed Steel Cover (50 F1) to be installed on Digester number 2. The design of the proposed mechanism is based upon Ovivo standard engineering practices and details which will meet the intent of the Engineer's Specifications. Enclosed drawing shows the approximate configuration of the proposed equipment.

Model	50 F1
Type	Ovivo® Fixed Steel Cover
Max Side Sheet Length	144 in (12 ft)
Appurtenances ¹ :	
Center Gas Dome	One (1) 102 in (Minimum)
Manholes	Two (2) 42 in Ø
Sample Ports	Three (3) 5 in Ø
Open nozzle for Gas Line	One (1) 4 in Ø
Open nozzle for Level transmitter	One (1) 2 in Ø
Flange for Sight Glasses	One (1) 3 ft x 1.8 ft
Open nozzle for Gas Seal	One (1) 12 in Ø
Open nozzle for Thermometer	One (1) 6 in Ø
Open nozzle for PRVB	One (1) 4 in Ø
Total Weight ²	56,000 lbs
Estimated Field Welding ²	1,500 ln ft
Standard Welding	1,000 ln ft
Overhead Welding	500 ln ft
Estimated Field Painting (Inside and Outside) ¹	6,000 sq ft

¹ Section 2.3 A and Addendum No.1

² The values are estimates only and will be updated with the final values after approved submittals.

Ovivo’s scope of supply does not include installation. The weight, welding and painting requirements are estimates only, the final values will be provided after approved submittals. The above field welding estimate is based on a single pass welding and the overall requirements on Figure 2.

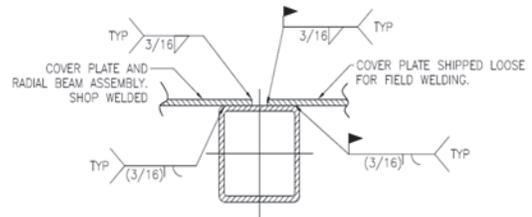


Figure 2: Typical Weld Detail for Radial Beam

SCOPE OF SUPPLY

Items Included
One (1) 102"Ø center ring with cover plate, flange bolts, nuts and gasket
Two (2) 42"Ø manholes with bolts and gaskets. Covers provided by others
Three (3) 5"Ø sample tubes. Covers provided by others
One (1) 4"Ø flanged open nozzle for gas piping. Piping provided by others
One (1) 2"Ø flanged open nozzle for level transmitter. Instruments provided by others
One (1) 3'x1.8' flanged open nozzle for sight glasses. Sight glasses provided by others
One (1) 12"Ø flanged open nozzle for gas seal. Piping provided by others
One (1) 6"Ø flanged open nozzle for thermometer. Instruments provided by others
One (1) 4"Ø flanged open nozzle for PRVB. Valves provided by others
Necessary Steel Cover Components such as: <ul style="list-style-type: none"> - Erection Beams - Cover Plates - Epoxy anchoring assemblies - Side Skirt Sections
Mild Steel construction except as noted
Ez Rect™ System
Operation and Maintenance manuals
Service as noted in the "Field Service" and "Additional Field Service" segments
FCA Factory, Freight allowed to the jobsite
Items Not Included (But Not Limited To The Following)
Gas handling equipment, unless included above
Valves, unless included above
Sample tube covers
Walkways, stairs, steps, ladders, unless included above
Handrails grates, platforms, grating, unless included above
Piping, fittings, tubing and pipe supports
Flange bolts, nuts and gaskets
Grout
Coating, prime paint, field touch up or finishing painting
Insulation or Roofing

Annular Seal Filler material
Modifications to digester tank or other equipment
Sight glasses
Installation, testing, testing materials and / or testing equipment
Conduit, wiring, or any other control or electrical items
Lightning protection items such as rods, terminals, cabling, supports, etc
Stainless steel passivation
Any items not specifically listed in the "Items Included" table

SURFACE PREPARATION AND PAINTING

Ovivo will ship all fabricated items bare for field painting by others.

FIELD SERVICE

This proposal includes the service of a qualified service engineer per Section 3.3 for the following:

No. of Trips	No. of Days	Description
One (1)	One (1)	Pre-Erection Training Services
One (1)	One (1)	Installation Inspection
One (1)	One (1)	Start-up /Testing Assistance /Training /Final acceptance checkout

Based on Section "Additional Field Service", any require/request additional service days and trips, will be charged accordingly.

CLARIFICATIONS AND EXCEPTIONS TO SPECIFICATION SECTION 437000

Insulation, Coating, Sealant – Sections 1.5 A 7, 2.1 D and E, 3.1 B and C and 3.6 A

To clarify, this proposal does not include grout, painting, coating or insulation. These items will be provided by others.

Warranty – Section 1.4

The warranty period included is thirty-six (36) months from startup of the equipment but not to exceed forty-two (42) months from shipment.

Structural Design – Section 2.1 F

Ovivo will provide standard radial beam type fixed cover to meet the intent of the specification’s Note that Ovivo’s fixed steel covers are designed such that radial beams are used for both erection and structural design of steel cover. Any change on design guideline will lead to change order.

Appurtenances – Section 2.3

For clarification, Ovivo’s scope of supply does not include any gas handling equipment, corbels, piping, fittings, tubing, and connections. Ovivo’s scope of supply does not include manhole or sample tube covers.

General

To clarify, Ovivo’s proposal does not include any gas handling equipment, valves, corbels, piping, fittings, tubing, and connections, piping, gas takeoff, ballasts, gas control connections, insulation, installation, or testing.

Ovivo’s scope of supply does not include any inspection or structural evaluation of the existing digesters’ condition. Ovivo has not conducted an inspection of the site or conditions and relies solely upon the information disclosed by the Owner when determining the scope, scheduling, site preparation, labor, materials, equipment, products, training, and service to be included in this Project. Owner shall be responsible for the accuracy and veracity of any data or other information it discloses to Ovivo in connection with the Project.

EZ-Rect™ System

The EZ-RECT™ cover erection system is a feature with the digester cover. Ovivo will provide the digester cover with cover plate/radial beam sections pre-assembled, and finish welded in the shop to facilitate the erection of the cover. Each assembly will consist of two (2) beams and one (1) cover plate.

Ovivo offers this option to reduce the amount of field welding required to erect a cover of this diameter. This will reduce the total amount of field welding for the digester steel cover. Furthermore, this will reduce the number of pieces to be handled during erection.

Ovivo suggests a careful consideration of the various offerings in regard to the amount of field welding disclosed by the cover manufacturers. The variance in the various estimates should be within a reasonable amount of the quantity expressed in this proposal. Ultimately, the Contractor is required to make their own estimate of welding requirements.

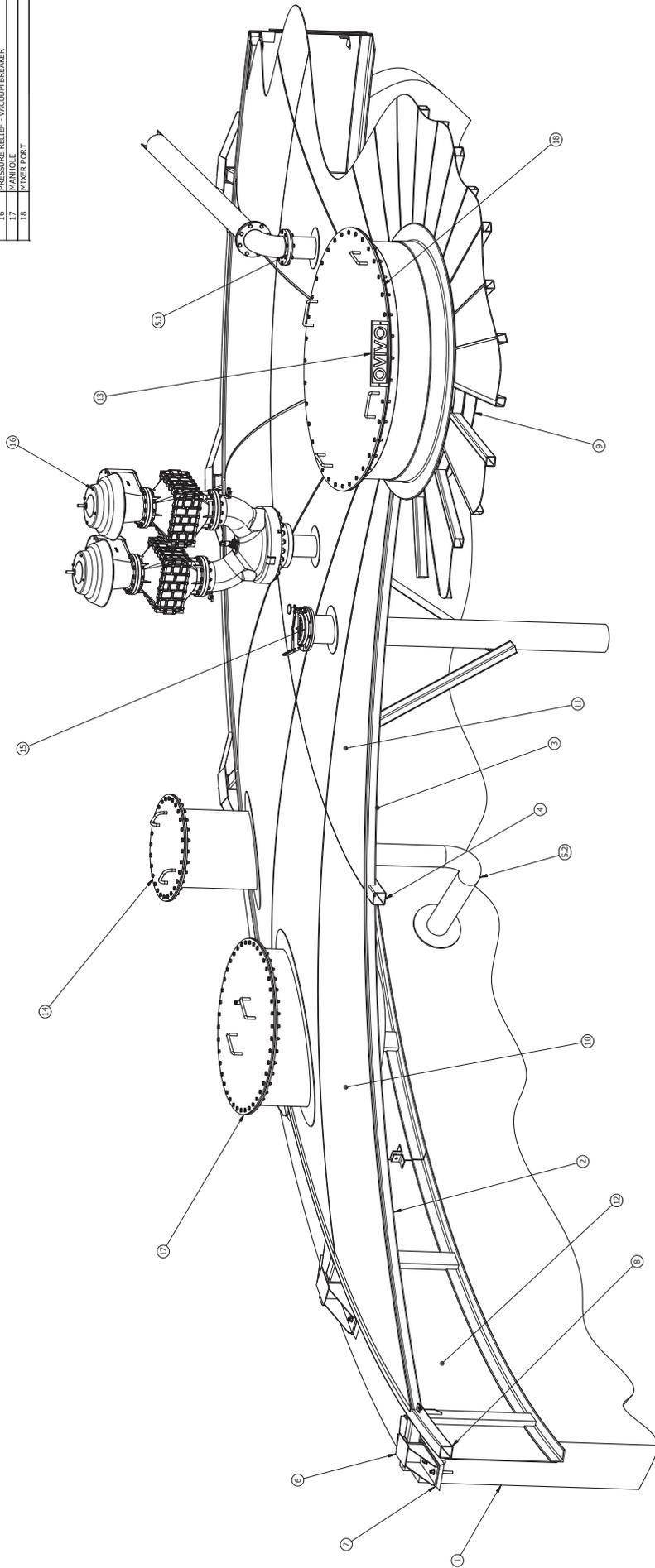
Painting: The cover side sheets are shipped unpainted, so all necessary cleaning, sandblasting and painting must be done progressively as the assembly proceeds. Be aware that the side sheets will be difficult to paint if they are installed inside the tank. Do not paint within 3 inches of all areas to be welded. It is also imperative that all welds are per the erection drawings and gas tight. Therefore, the erector must be able to certify that no leaks exist prior to painting. Cover erection is completed in five steps:

1. Side Sheet Assembly
2. Center Ring and Erection Beam Installation
3. EZ-Rect Cover Plate Assembly Installation
4. Remaining Cover Plate Installation
5. Manholes, Spools, Tubes, Etc., Installation

PREVENTATIVE MAINTENANCE SCHEDULE

MAINTENANCE PROCEDURE	FREQUENCY	LUBRICANT (if applicable)	COMMENTS/ REFERENCES
<p>A. Inspect the gas safety devices, such as the flame arrester, pressure relief/vacuum breaker valve, sample tubes and check valves.</p> <p>CAUTION: During cold weather the pressure relief/vacuum breaker valve can freeze shut allowing gas pressure under the cover to rise above the specified maximum pressure. Therefore, daily inspection for proper operation of the pressure relief/vacuum breaker valve is required during cold weather.</p>	<p>Monthly - See "CAUTION"</p>	<p>NA</p>	<p>Refer to the Manufacturer's Instructions in this manual for those devices furnished by Ovivo.</p>
<p>B. Inspect the tank-to-wall seal to make certain it has not deteriorated, shrunk or otherwise developed openings that will permit the escape of gas at the edges of the cover</p>	<p>Every 6 months</p>	<p>NA</p>	<p>Refer to the Ovivo Operation & Maintenance Instructions</p>
<p>C. Inspect the painted surfaces and touch-up or repaint, as necessary</p>	<p>Yearly</p>	<p>NA</p>	<p>Refer to the Ovivo Operation & Maintenance Instructions</p>

ITEM	DESCRIPTION
1	DIGESTER TANK WALL
2	INNER SECTION BEAM (OPTIONAL)
3	INTERMEDIATE THROUGH RINGS (OPTIONAL)
4	INTERMEDIATE THROUGH RINGS (OPTIONAL)
5.1	GAS TAKE-OFF PIPE (TOP-SIDE DESIGN)
5.2	GAS TAKE-OFF PIPE (UNDER-SIDE DESIGN)
6	COVER SUPPORT
7	BEARING PLATE
8	BEARING PLATE
9	CENTER COMPRESSION RING
10	OUTER COVER PLATE
11	INNER COVER PLATE
12	SLIDE SKIRT
13	WAKE PLATE
14	GAS DRAINER
15	BEARING PLATE
16	PRESSURE RELIEF - VACUUM BREAKER
17	MANHOLE
18	MIXER PORT



OVIVO
Bringing water to life

THIRD-ANGLE PROJECTION

D INITIAL RELEASE BY: [Signature]
DATE: 3/17/2014
DRAWN: J/LQ
CHECKED: E/BH

DO NOT SCALE PRINTS
DO NOT SCALE PRINTS
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REF. FROM: [Blank]
DATE: [Blank]
DRAWN: [Blank]
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ORIGINAL S.O. NO. [Blank]
REV. [Blank]

SHEET 1 OF 1

INITIAL RELEASE	REVISION DESCRIPTION	BY	DATE	REV

ALTERNATE I – ANAEROBIC DIGESTER COVER – SPECIFICATION SECTION 437000

DESCRIPTION AND PERFORMANCE

Ovivo provides a variety of digester steel covers. Each digester steel cover is constructed as a dome-shaped segment of a sphere, offering maximum strength and structural integrity. The digester steel covers are radial beam designed to be erected quickly and efficiently, this is a simple, rigged structural design. The thrust ring is installed at the periphery of each cover to absorb all design loads without transmitting excessive forces to the concrete digester wall. During erection, the cover is supported by radial beams attached to a center ring and the thrust ring which add strength to the complete unit.

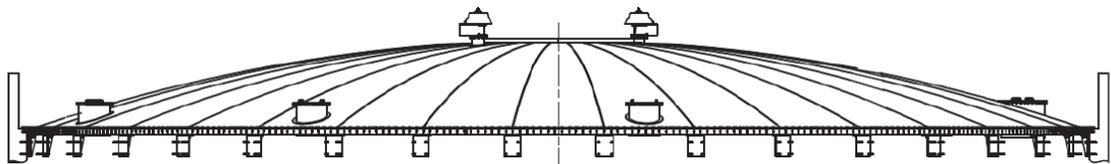


Figure 3: Ovivo Ultraseal Fixed Steel Cover (U1) Confidential – Patent Pending Design

TECHNICAL DATA

Ovivo proposes to furnish one (1) Ovivo® Ultraseal Fixed Cover Steel Cover (50 U1) to be installed. The design of the proposed mechanism is based upon Ovivo standard engineering practices and details which will meet the intent of the Engineer's Specifications. Enclosed drawing shows the approximate configuration of the proposed equipment.

Model	50 U1
Type	Ovivo® Ultraseal Fixed Steel Cover
Appurtenances ¹ :	
<i>Center Gas Dome</i>	One (1) 102 in (Minimum)
<i>Manholes</i>	Two (2) 42 in Ø
<i>Sample Ports</i>	Three (3) 5 in Ø
<i>Open nozzle for Gas Line</i>	One (1) 4 in Ø
<i>Open nozzle for Level transmitter</i>	One (1) 2 in Ø
<i>Flange for Sight Glasses</i>	One (1) 3 ft x 1.8 ft
<i>Open nozzle for Gas Seal</i>	One (1) 12 in Ø
<i>Open nozzle for Thermometer</i>	One (1) 6 in Ø
<i>Open nozzle for PRVB</i>	One (1) 4 in Ø
Total Weight ²	34,000 lbs
Estimated Field Weldin ²	1,300 ln ft
<i>Standard Welding</i>	900 ln ft
<i>Overhead Welding</i>	400 ln ft
Estimated Field Painting (Inside and Outside) ²	5,000 sq ft

¹ Section 2.3 A and Addendum No.1

² The values are estimates only and will be updated with the final values after approved submittals.

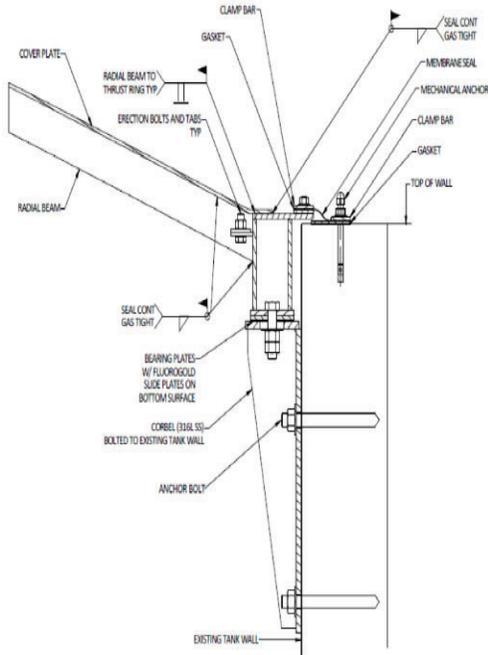


Figure 5: Ovivo's U1 Cover Mounting Section View
Confidential – Patent Pending

Ovivo's scope of supply does not include installation. The weight, welding and painting requirements are estimates only, the final values will be provided after approved submittals. The above field welding estimate is based on a single pass welding and the overall requirements on Figure 4.

As shown in Figure 5, a skirt is no longer used for this cover design. The cover is sealed using a membrane seal (similar to how we seal our membrane gasholder covers that hold gas in the same environment).

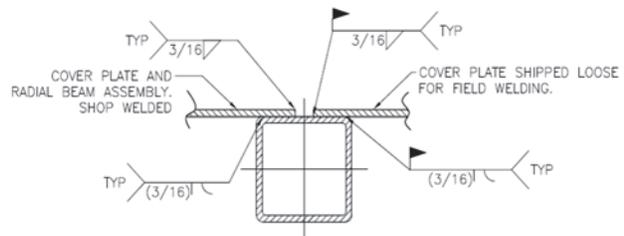


Figure 4: Typical Weld Detail for Radial Beam Connections

SCOPE OF SUPPLY

Items Included
One (1) 102"Ø center ring with cover plate, flange bolts, nuts and gasket
Two (2) 42"Ø manholes with bolts and gaskets. Covers provided by others
Three (3) 5"Ø sample tubes. Covers provided by others
One (1) 4"Ø flanged open nozzle for gas piping. Piping provided by others
One (1) 2"Ø flanged open nozzle for level transmitter. Instruments provided by others
One (1) 3'x1.8' flanged open nozzle for sight glasses. Sight glasses provided by others
One (1) 12"Ø flanged open nozzle for gas seal. Piping provided by others
One (1) 6"Ø flanged open nozzle for thermometer. Instruments provided by others
One (1) 4"Ø flanged open nozzle for PRVB. Valves provided by others
Necessary Steel Cover Components such as: <ul style="list-style-type: none"> - Erection Beams - Cover Plates - Epoxy anchoring assemblies - Membrane Perimeter Seal <ul style="list-style-type: none"> o Type III, PVDF, UV Protected o Mechanical anchor bolts o Flange, corbels, and clamps, 316 SS o Neoprene Gasket for tank wall
Mild Steel construction except as noted
EZ Rect™ System

Operation and Maintenance manuals
Service as noted in the "Field Service" and "Additional Field Service" segments
FCA Factory, Freight allowed to the jobsite
Items Not Included (But Not Limited To The Following)
Gas handling equipment, unless included above
Valves, unless included above
Sample tube covers
Walkways, stairs, steps, ladders, unless included above
Handrails grates, platforms, grating, unless included above
Passivation (any other unless specifically listed above)
Piping, fittings, tubing and pipe supports, unless included above
Flange bolts, nuts and gaskets
Coating, prime paint, field touch up or finishing painting
Grout, Insulation or Roofing
Modifications on digester tank or other equipment
Sight glasses
Installation, testing, testing materials and / or testing equipment
Conduit, wiring, or any other control or electrical items
Lightning protection items such as rods, terminals, cabling, supports, etc.
Any items not specifically listed in the "Items Included" table

SURFACE PREPARATION AND PAINTING

Ovivo will ship all fabricated items bare for field painting by others.

FIELD SERVICE

This proposal includes the service of a qualified service engineer per Section 3.3 for the following:

No. of Trips	No. of Days	Description
One (1)	One (1)	Pre-Erection Training Services
One (1)	One (1)	Installation Inspection
One (1)	One (1)	Start-up /Testing Assistance /Training /Final acceptance checkout

Based on Section "Additional Field Service", any require/request additional service days and trips, will be charged accordingly.

CLARIFICATIONS AND EXCEPTIONS TO SPECIFICATION SECTION 437000

Insulation, Coating, Sealant – Sections 1.5 A 7, 2.1 D and E, 3.1 B and C and 3.6 A

To clarify, this proposal does not include grout, painting, coating or insulation. These items will be provided by others.

Warranty – Section 1.4

The warranty period included is thirty-six (36) months from startup of the equipment but not to exceed forty-two (42) months from shipment.

Structural Design – Section 2.1 F

Ovivo will provide a standard radial beam type fixed cover to meet the intent of the specification's Note that Ovivo's fixed steel covers are designed such that radial beams are used for both erection and structural design of steel cover. Any change on design guideline will lead to change order.

Roof Wall Supports – Section 2.2 D

The weight of the cover shall be carried by wall supports; however, the supports will be on the supplied Corbels that are to be anchored into the wall. Allowing for better loading transfer in addition to the ability to seal the cover completely around the perimeter of the wall with Ovivo's patent pending Ultraseal design.

Roof Seal Plate and Seal – Section 2.2 F-G

This design will utilize Ovivo's patent pending Ultraseal design; therefore, no seal plate or digester seal will be required or used.

Appurtenances – Section 2.3

For clarification, Ovivo's scope of supply does not include any gas handling equipment, corbels, piping, fittings, tubing, and connections. Ovivo's scope of supply does not include aluminum or stainless-steel manhole or sample tube covers.

General

To clarify, Ovivo's proposal does not include any gas handling equipment, valves, corbels, piping, fittings, tubing, and connections, piping, gas takeoff, ballasts, gas control connections, insulation, installation, or testing.

Ovivo's scope of supply does not include any inspection or structural evaluation of the existing digesters' condition. Ovivo has not conducted an inspection of the site or conditions and relies solely upon the information disclosed by the Owner when determining the scope, scheduling, site preparation, labor, materials, equipment, products, training, and service to be included in this Project. Owner shall be responsible for the accuracy and veracity of any data or other information it discloses to Ovivo in connection with the Project.

EZ-Rect™ System

The EZ-RECT™ cover erection system is a feature with the digester cover. Ovivo will provide the digester cover with cover plate/radial beam sections pre-assembled, and finish welded in the shop to facilitate the erection of the cover. Each assembly will consist of two (2) beams and one (1) cover plate.

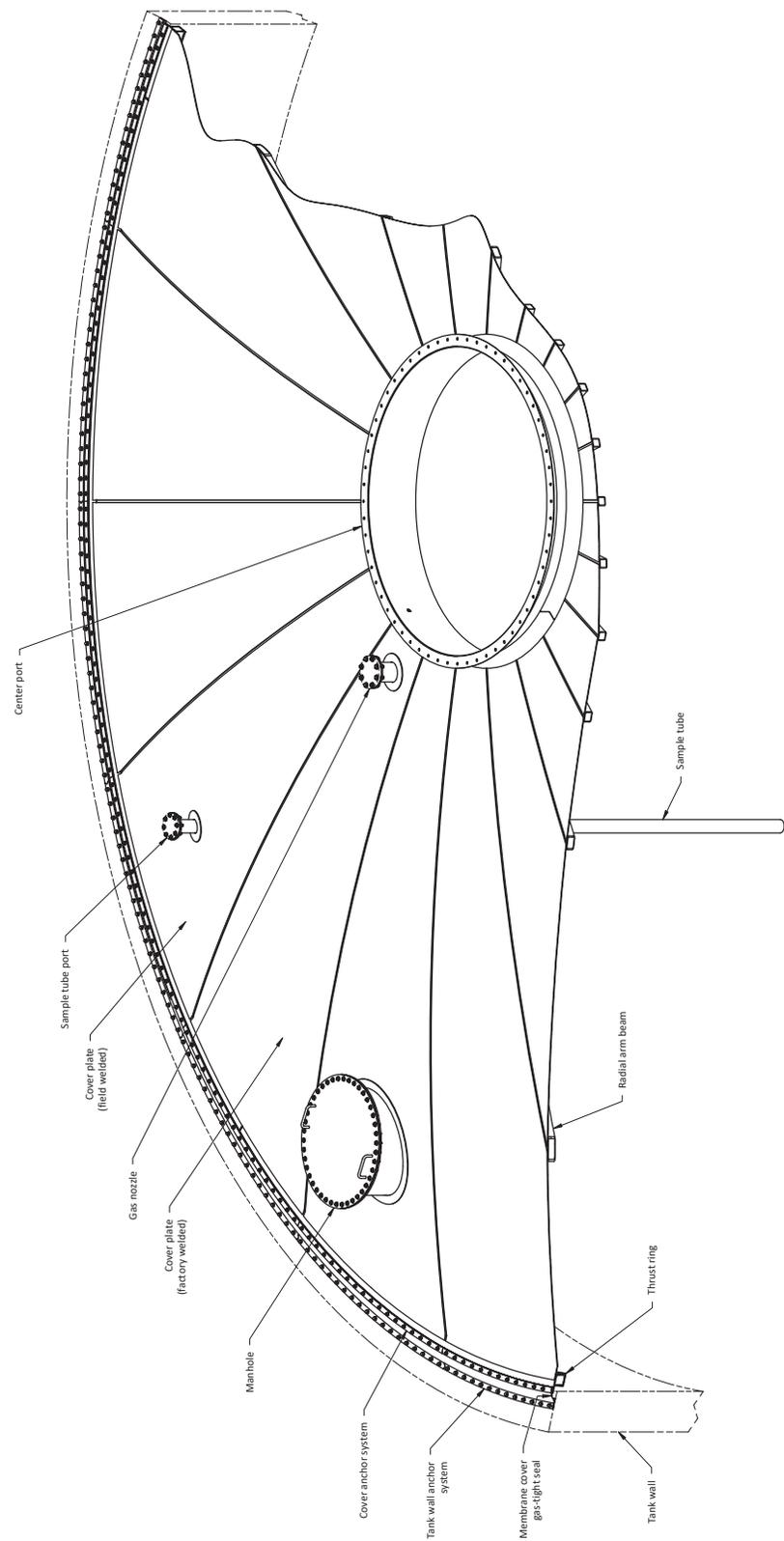
Ovivo offers this option to reduce the amount of field welding required to erect a cover of this diameter. This will reduce the total amount of field welding for the digester steel cover. Furthermore, this will reduce the number of pieces to be handled during erection. Ovivo suggests a careful consideration of the various offerings in regard to the amount of field welding disclosed by the cover manufacturers. The variance in the various estimates should be within a reasonable amount of the quantity expressed in this proposal. Ultimately, the Contractor is required to make their own estimate of welding requirements.

Painting: The cover side sheets are shipped unpainted, so all necessary cleaning, sandblasting and painting must be done progressively as the assembly proceeds. Be aware that the side sheets will be difficult to paint if they are installed inside the tank. Do not paint within 3 inches of all areas to be welded. It is also imperative that all welds are per the erection drawings and gas tight. Therefore, the erector must be able to certify that no leaks exist prior to painting. Cover erection is completed in four steps:

1. Center Ring and Erection Beam Installation
2. EZ-Rect Cover Plate Assembly Installation
3. Remaining Cover Plate Installation
4. Manholes, Spools, Tubes, Etc., Installation

PREVENTATIVE MAINTENANCE SCHEDULE

MAINTENANCE PROCEDURE	FREQUENCY	LUBRICANT (if applicable)	COMMENTS/ REFERENCES
<p>A. Inspect the gas safety devices, such as the flame arrester, pressure relief/vacuum breaker valve, sample tubes and check valves.</p> <p>CAUTION: During cold weather the pressure relief/vacuum breaker valve can freeze shut allowing gas pressure under the cover to rise above the specified maximum pressure. Therefore, daily inspection for proper operation of the pressure relief/vacuum breaker valve is required during cold weather.</p>	Monthly - See "CAUTION"	NA	Refer to the Manufacturer's Instructions in this manual for those devices furnished by Ovivo.
<p>B. Inspect the tank-to-wall seal to make certain it has not deteriorated, shrunk or otherwise developed openings that will permit the escape of gas at the edges of the cover</p>	Every 6 months	NA	Refer to the Ovivo Operation & Maintenance Instructions
<p>C. Inspect the painted surfaces and touch-up or repaint, as necessary</p>	Yearly	NA	Refer to the Ovivo Operation & Maintenance Instructions



	D <small>DRAMA (DIN) / OVI (OVI)</small>		TYPE U1 FKWD	OVIVO <small>OVIVO</small>
	<small>DRAWN BY</small> JRH	<small>DATE</small> 8/3/2007	<small>PROJECT</small> DISBESTER COVER	SHEET 1 OF 1
	<small>REF</small>	<small>NO</small>	U1_SALES	A <small>REVISED</small>
	<small>WWW.MASTER-TECHNICAL.COM</small>	<small>ALL RIGHTS RESERVED</small>	<small>NO</small>	<small>NO</small>

INITIAL RELEASE	REVISION DESCRIPTION	EN/ECO	BY	CHECKED	DATE	REV
						A

ALTERNATE II – ULTRASTORE™ MEMBRANE GASHOLDER COVER – SPECIFICATION SECTION 437000

DESCRIPTION AND PERFORMANCE

The Ultrastore™ Membrane Gasholders are an alternative method for high gas storage capacity covers. The Ultrastore™ Membrane Gasholders are dual membrane covers with a low-pressure internal chamber for biogas storage. The internal biogas membrane is independent of the external structural membrane. The external membrane supports the environmental loads (snow and wind) that the gasholder cover experiences throughout its operating life by providing constant blower pressure. The capacity of the internal biogas membrane varies according to the production and use of biogas by digestion



Figure 6: Ultrastore™ Membrane Gasholders (Tank Mounted) facilities while operating at a constant pressure (similar to that provided by the blower).

TECHNICAL DATA

Ovivo proposes to furnish one (1) Ultrastore™ Membrane Gasholder for installation by others. This design of the proposed mechanism is based upon Ovivo standard engineering practices and details, which meet the intent of the engineer’s specification. Enclosed drawing shows the approximate configuration of the proposed equipment.

Model	2M-¼-TM-50
Size	50'Ø
Type	Tank Mounted
Shape	¼ sphere
Operating Pressure	11.5 in w.c
Gas Storage ¹	14,000 ft ³
Gas Flow Rates ²	300 CFM
Cover Height	14.40 ft
Total Estimated Weight including platform	8,000 lb

¹ The gas storage capacity is based on the operating pressure and Membrane type.

² This parameter was not listed, the data listed is an assumption, please confirm.

Please note that the membrane gasholder design and price are based on the design parameters listed above. Any modification or change in design parameters could constitute in a change order.

SCOPE OF SUPPLY

Items Included
One (1) Inner (gas) membrane
One (1) Outer (air) membrane
Air Control system: <ul style="list-style-type: none"> - Two (2) fans (One for redundancy and in standby mode) <ul style="list-style-type: none"> - 2 hp, 3,500 RPM, 3 Phase, 60 Hz, 230/460 V - One (1) intake filter - Check valves - Flexible piping pipe (length ≤ 10 ft), to connect from rigid pipe (by others) to gasholder - Pressure regulating valves (fixed to each membrane cover)
One (1) Anchorage system of gaskets, stainless steel flanges and anchor bolts. System clamps the membranes on the tank <ul style="list-style-type: none"> - ¼" thick x 2" wide AISI 304 Stainless steel with 304 Stainless steel mechanical anchors
Two (2) Inspection windows with stainless steel flange 9 in Ø and acrylic glass panel
Flexible PVC air connection pipe (length ≤ 10 ft), to link the gasholder to the air line
One (1) Control panel for reading and monitoring instrumentation <ul style="list-style-type: none"> - NEMA 12 construction - Allen Bradley CompactLogix Processor - Allen Bradley CompactLogix IO - RedLion Display
Instrumentation: <ul style="list-style-type: none"> - One (1) One (1) laser level transmitter, Class 1, Division I - One (1) Air pressure transmitter - One (1) Gas pressure transmitter - One (1) Methane Detector
One (1) Membrane Catcher System: <ul style="list-style-type: none"> - Cable Wire, Stainless Steel 316, Per Section - Eye Bolt Anchors and Wall Brackets (If required), Stainless Steel 316, Per Section - Center Ring, Stainless Steel 316, Per Section
One (1) 8x8 ft External Platform for scrubber: <ul style="list-style-type: none"> - Structural members, Carbon Steel - Handrails and grating, Aluminum
Operation and Maintenance manuals
Service as noted in the "Field Service" and "Additional Field Service" segments
FCA Factory, Freight allowed to the jobsite

Items Not Included (But Not Limited To The Following)
Installation (Unless selected)
Any modifications, preparations, and/or adaptors needed for membrane flanges to tank wall
Tank wall reinforcing
Any piping (gas or air) unless specifically called out above
Spare parts
Preparation of tank wall to receive equipment
Design of concrete pad for blowers if required
Valves of any kind unless noted above
Embedded piping & pipe supports
Electrical work of any kind, VFDs, connecting of the control panel or sensors
Laboratory Testing, Testing materials or supplies
Gas safety equipment
Any items not specifically listed in the "Items Included" table

FIELD SERVICE

This proposal includes the service of a qualified service engineer for the following:

No. of Trips	No. of Days	Description
One (1)	Five (5)	Installation and Testing Observation
One (1)	Two (2)	Start-up observation, and training (Maintenance, troubleshooting, and repair of the equipment)
One (1)	One (1)	Service after Startup

Based on Section "Additional Field Service", any require/request additional service days and trips, will be charged accordingly.

CLARIFICATIONS AND EXCEPTIONS TO SPECIFICATION SECTION 437000

Warranty – Section 1.4

Ovivo’s scope of supply includes a warranty as specified in the bid documents, summarized as follows:

- Three (3) year warranty for the mechanical equipment.
 - o The mechanical warranty period shall be thirty-six (36) months from startup of the equipment but not to exceed forty two (42) months from shipment.
- Five (5) year warranty for the membrane fabric for material and/or workmanship defects.
 - o The membrane warranty period shall be sixty (60) months from startup of the equipment but not to exceed sixty-six (66) months from shipment.

This warranty shall supersede all other listed warranty durations in this document, definitions and terms still apply.

General

Ovivo’s scope of supply does not include any inspection or structural evaluation of the existing digesters’ condition. Ovivo has not conducted an inspection of the site or conditions and relies solely upon the information disclosed by the Owner when determining the scope, scheduling, site preparation, labor, materials, equipment, products, training, and service to be included in this Project. Owner shall be responsible for the accuracy and veracity of any data or other information it discloses to Ovivo in connection with the Project.

It is critical for a membrane gasholder that the proper preparations have been made prior to installation including but not limited to proper preparation of the top of the tank wall (smooth and within the level tolerance requirement), tank filled with water, control panel installed, power and wiring installed to instruments locations, etc... Ovivo will provide a check-list of necessary tasks required prior to arrival of our installation supervisor, should any items not be completed and require another trip, Ovivo shall be compensated for the additional time and travel.

PREVENTATIVE MAINTENANCE SCHEDULE

Maintenance Procedure	Frequency	Comments / References
Verify external air membrane is full and kept in constant tension	Monthly	External air membrane must be full and at specified pressure to ensure structural integrity of the gasholder.
Check for condensation in biogas valves and pipelines	Monthly	Water condensate can block gas flow.
Inspect the gas safety devices, such as the flame arrester, pressure relief/vacuum breaker valve, sample tubes and check valves. CAUTION: During cold weather, the pressure relief/vacuum breaker valve can freeze shut allowing gas pressure under the cover to rise above the specified maximum pressure. Therefore, daily inspection for proper operation of the pressure relief/vacuum breaker valve is required during cold weather.	Monthly	Refer to PRVB valve manufacturer’s instructions in the Accessories section for valve maintenance.
Check liquid in biogas valves	Monthly	
Check performance of air exhaust valves. There should be a slight airflow, even in a steady biogas flux.	Monthly	Unscrew the two cover mounting bolts and remove cover to observe airflow out of air fitting pipe
Check methane detector	Per manufacturer’s recommendations	
Check air/gas transmitter	Per manufacturer’s recommendations	
Check level transmitter	Per manufacturer’s recommendations	
Check control panel alarms and control panel programming operation	Daily	

PIPING SYMBOLS

IC1	BUTTERFLY VALVE	□	FLAME ARRESTOR
△	TWO-WAY VALVE	○	FIELD MOUNTED DEVICE
▽	THREE-WAY VALVE	○	CHECK VALVE
◇	VALVE	○	CHECK VALVE
⊠	PUMP	⊠	AIR FILTER
⊞	PRV		

PIPING DESIGNATION

(A)	AIR LINE
(B)	METHANE GAS LINE
(C)	
(D)	
(E)	
(F)	
(G)	
(H)	

LINE SYMBOLS

—	PROCESS LINE
- - -	ELECTRICAL SIGNAL
---	CUSTOMER SCOPE

ELECTRICAL SYMBOLS

⊞	PLC CONTROL
⊞	FIELD DEVICE
⊞	PCS
⊞	FIELD INSTRUMENT

SYMBOLS AND LEGEND ICONS SHOWN ABOVE ARE GENERAL OR EXCEPTIONS.

REFERENCE DRAWINGS

NOTES

PIPING SYMBOLS

LS	LASER LEVEL SENSOR
PT	PRESSURE TRANSMITTER
GS	GAS SWITCH
M	MOTOR STARTER
A	ACTUATOR

PIPING DESIGNATION

(A)	AIR LINE
(B)	METHANE GAS LINE

LINE SYMBOLS

—	PROCESS LINE
- - -	ELECTRICAL SIGNAL
---	CUSTOMER SCOPE

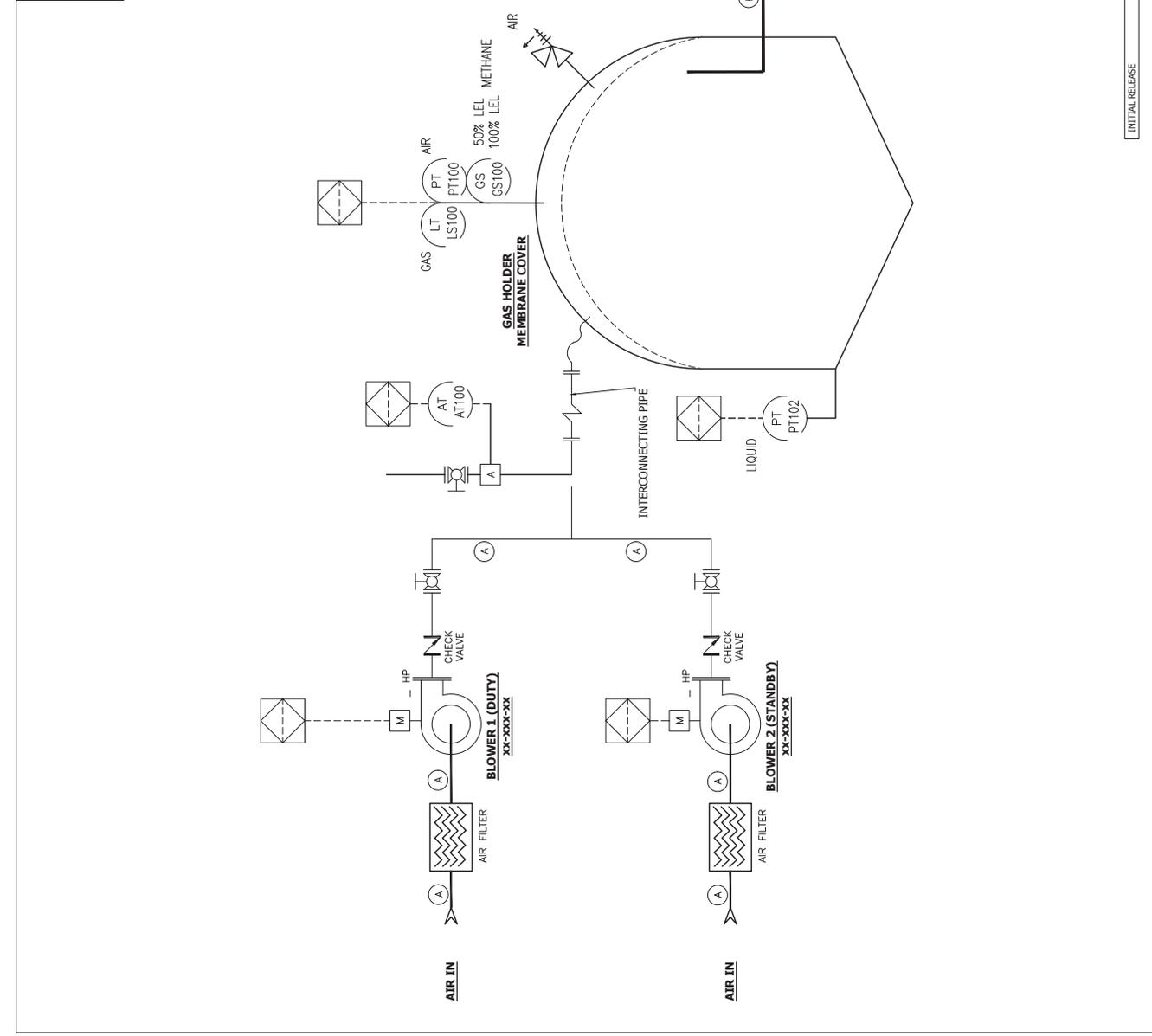
ELECTRICAL SYMBOLS

⊞	PLC CONTROL
⊞	FIELD DEVICE
⊞	PCS
⊞	FIELD INSTRUMENT

SYMBOLS AND LEGEND ICONS SHOWN ABOVE ARE GENERAL OR EXCEPTIONS.

REFERENCE DRAWINGS

NOTES



D	DATE	NO. OF SHEETS
DESIGNED BY	DATE	NO.
DRAWN BY	DATE	NO.
CHECKED BY	DATE	NO.
PROJECT	NO.	NO.
REV	NO.	NO.
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INITIAL RELEASE		NO.
ULTRASTORE P&ID		NO.
ULTRASTORE-GASHOLDER		NO.
ME AND M3 P&ID		NO.
OVIVO		NO.
SHEET 1 OF 1		NO.

ADDITIONAL GENERAL OVIVO INFORMATION

GENERAL NOTES

As an equipment supplier, Ovivo's scope of responsibility is limited to the equipment that it supplies and its ability to meet the agreed upon project specifications. Unless expressly stated in its proposal document, Ovivo is not responsible for a treatment plant's process performance, engineering decisions in relation to the plant's construction or operation nor the appropriateness or compatibility of Ovivo's equipment within such plant.

The dates of drawing submission and shipment of the Products represents Ovivo's best estimate, but is not guaranteed, and Ovivo shall not be liable for any damages due to late delivery, including but not limited to liquidated damages. The Products shall be delivered to the delivery point or points in accordance with the delivery terms stated in this proposal. If such delivery is prevented or postponed by reason of Force Majeure, as defined in Ovivo's standard terms and conditions of sale, Ovivo shall be entitled at its option to tender delivery to Purchaser at the point or points of manufacture, and in default of Purchaser's acceptance of delivery, to cause the Products to be stored at such a point or points of manufacture at Purchaser's expense. Such tender, if accepted, or such storage, shall constitute delivery for all purposes of this proposal. If shipment is postponed at request of Purchaser, or due to delay in receipt of shipping instructions, payment of the purchase price shall be due on notice from Ovivo that the Products are ready for shipment. Handling, moving, storage, insurance and other charges thereafter incurred by Ovivo with respect to the Products shall be for the account of Purchaser and shall be paid by Purchaser when invoiced.

*** CORONAVIRUS ADVISORY ***

The coronavirus situation may cause disruptions in our normal business practices, capacity, and supply chain. Any schedule statements made by Ovivo at this time are our best estimate and subject to change. Design will begin upon order acceptance; sourcing, manufacturing and fabrication will not begin until the formal submittal package is approved by owner and/or contractor.

BUY AMERICAN REQUIREMENTS

The Infrastructure Investment and Jobs Act signed into law on November 15, 2021, includes substantive changes to Buy America requirements compared to those specified in the preceding American Iron and Steel Act. While Ovivo fabricates and procures the vast majority of steel domestically for our equipment for the United States market, there are certain components that are either unavailable domestically or impractical to procure domestically through long-established supply chains, while meeting other project specifications, internal requirements, and project schedules. This challenge is further exacerbated by supply chain and labor shortages in pandemic and post pandemic times. As with previous legislation, we are awaiting any additional guidance for the US Environmental Protection Agency or other Agencies for further clarification relating to current Buy America requirements. As of now, the industry at large is unable to ascertain the parameters of the Buy America requirement. Thus,

Ovivo cannot make any guarantee that its scope of supply will be in compliance with any Buy America requirements under the Infrastructure Investment and Jobs Act. Accordingly, any offer for sale, proposal, or budgetary quote/estimate submitted by or on behalf of Ovivo should not be construed as meeting such Buy America requirements unless explicitly stated otherwise.

AMERICAN IRON AND STEEL ACT

The Infrastructure Investment and Jobs Act signed into law on November 15, 2021, includes substantive changes to Buy America requirements compared to those specified in the preceding American Iron and Steel Act. While Ovivo fabricates and procures the vast majority of steel domestically for our equipment for the United States market, there are certain components that are either unavailable domestically or impractical to procure domestically through long-established supply chains, while meeting other project specifications, internal requirements, and project schedules. This challenge is further exacerbated by supply chain and labor shortages in pandemic and post pandemic times. As with previous legislation, we are awaiting any additional guidance for the US Environmental Protection Agency or other Agencies for further clarification relating to current Buy America requirements. As of now, the industry at large is unable to ascertain the parameters of the Buy America requirement. Thus, Ovivo cannot make any guarantee that its scope of supply will be in compliance with any Buy America requirements under the Infrastructure Investment and Jobs Act. Accordingly, any offer for sale, proposal, or budgetary quote/estimate submitted by or on behalf of Ovivo should not be construed as meeting such Buy America requirements unless explicitly stated otherwise.

ADDITIONAL FIELD SERVICE

When included and noted in the Product pricing of each proposal item, Ovivo will supply the service of a competent field representative to inspect the completed installation and adjustment of equipment, supervise initial operation, and instruct Owner's personnel in the operation and maintenance of each proposal item for the number of eight (8) hour days. Notwithstanding Ovivo's performance of the above-referenced services, Ovivo shall not be held liable for any faulty workmanship or other defects in the Products' installation, or for other goods and/or services, performed by third parties unless such goods and/or services are expressly included under Ovivo's scope of work.

If additional service is required, it will be furnished to the Purchaser and billed to him at the current rate for each additional day required, plus travel and lodging expenses incurred by the service personnel during the additional service days.

It shall be the Purchaser's responsibility to provide for all necessary lubrication of all equipment prior to placing equipment in operation. All equipment must be in operating condition and ready for the Field Service Engineer when called to the project location. Should the Purchaser/Owner not be ready when the Field Service Engineer is requested or if additional service is requested, the Ovivo current service rates will apply for each additional day required, plus travel and lodging expenses incurred by the service personnel during the additional service days.

SURFACE PREPARATION AND PAINTING GENERAL INFORMATION

If painting the Products is included under Ovivo's scope of work, such Products shall be painted in accordance with Ovivo's standard practice. Shop primer paint is intended to serve only as minimal protective finish. Ovivo will not be responsible for condition of primed or finished painted surfaces after equipment leaves its shops. Purchasers are invited to inspect painting in our shops for proper preparation and application prior to shipment. Ovivo assumes no responsibility for field service preparation or touch-up of shipping damage to paint. Painting of fasteners and other touch-up to painted surfaces will be by Purchaser's painting contractor after mechanism erection.

Motors, gear motors and center drives shall be cleaned and painted with manufacturer's standard primer paint only.

It is our intention to ship major steel components as soon as fabricated, often before drives, motors and other manufactured components. Unless you can insure that shop primed steel shall be field painted within thirty (30) days after arrival at the jobsite, we encourage you to purchase these components in the bare metal (no surface prep or primer) condition.

Ovivo cannot accept responsibility for rusting or deterioration of shop applied prime coatings on delivered equipment if the primed surfaces have not been field painted within thirty (30) days of arrival at the jobsite using manufacturers' standard primers. Other primers may have less durability.

ADDITIONAL PRICING AND DELIVERY TERMS

The price and delivery validity of this proposal is contingent upon ALL of the following milestones being met:

1. Ovivo (a) receives a binding purchase order with written acceptance of this proposal agreeing to the terms of this proposal in its entirety and Ovivo acknowledges receipt to Purchaser or (b) a fully executed contract signed by both Ovivo and Purchaser occurs no later than the expiration date of this proposal or in accordance with the DELIVERY section of this proposal. Letters of Intent are not a means to comply with this requirement.
2. Ovivo receives approval by Purchaser to release for fabrication all equipment no later than the specified weeks/timeframe listed in the DELIVERY section of this proposal from the acknowledgement date of the binding purchase order (1(a) above) or date of signed contract (1(b) above). Ovivo will only release engineering submittals and materials / labor for fabrication with a binding, acknowledged purchase order or fully executed Contract.
3. Ovivo receives written approval to deliver equipment to the destination per the Contract no later than the specified weeks/timeframe listed in the DELIVERY section of this proposal from the acknowledgement date of the binding purchase order (1(a)

above) or date of signed contract (1(b) above). If Purchaser is not ready to receive the equipment, then Purchaser shall provide storage in accordance with Ovivo’s instructions for storage of equipment. All costs to consolidate, store, and maintain equipment during storage will be borne solely by Purchaser. Ovivo may require Purchaser to buy an extended warranty as a result of this storage requirement.

In the event the aforementioned milestones cannot be met, prices and delivery schedules will be subject to review and adjustment as follows.

- A. Should submittal approval and Purchaser’s release for fabrication be extended beyond those listed in the DELIVERY section, escalation costs shall be added to the proposal or contract price and shall be paid by Purchaser. Any such labor, material and transportation/shipping price increases paid by Purchaser shall be based on an industry-standard pricing measure or index for that particular labor, material, or transportation/shipping that accurately represents the market increase or, at Ovivo’s reasonable discretion, actual increases incurred by Ovivo. The resulting cost and schedule impact shall be disclosed to the Purchaser prior to fabrication.
- B. Should Purchaser-requested shipment dates/timeframes be extended beyond those listed in the DELIVERY section, Ovivo reserves the right to charge Purchaser all appropriate costs incurred up to date of such event, which may include, but is not limited to, further escalation costs, storage costs, costs associated with cessation and/or resumption of work, extended warranty costs, and partial or full payment for completion of milestones.

Prices quoted are FCA surface point of shipment, with freight included to an accessible point nearest the jobsite. Federal, state or local sales, use or other taxes are not included in the sales price.

Any additional duties and tariffs invoked after the date of its proposal will be added to the total proposed price.

PAYMENT TERMS

Payment terms are as follows:

Milestone	Cumulative Percent Invoiced
Delivery of Equipment to the Project Site	75%
Submission of Installtion Certificate to OWNER	10%
Successful Equipment Start-Up, Test, and Training	10%
Final Payment	5%

Invoice will be billed at **100%** of the work complete in accordance with the schedules above. No more than 5% retention shall be withheld from each invoice. The final 5% (Retention) shall be invoiced at Substantial Completion of Ovivo’s Scope, which may be different that

Substantial Completion of the overall project, not to exceed **sixty (60) days** from equipment delivery of the Major Item.

Purchaser shall remit payment for proper invoices received from Ovivo in accordance with the payment terms stated above even if the Purchaser has not been paid by the Purchaser's customer (the "Owner"), if Purchaser is not the end-user of the Products. Payments are due within thirty (30) days after Purchaser's receipt of invoice. Overdue and unpaid invoices are subject to a service charge of 2% per month until paid.

Credit is subject to acceptance by Ovivo's Credit Department.

TAXES

Federal, State or local sales, use or other taxes are not included in the sales price. Such taxes, if applicable, shall be for Purchaser's account.

BONDS

Any performance and/or payment bond agreed to be provided by Ovivo will extend to supply of equipment and services for a period not to exceed the first twenty-four (24) months of the service or warranty period, and for a value not to exceed the total price of this Proposal.

BACKCHARGES

In no event shall Purchaser/Owner do or cause to be done any work, purchase any services or material or incur any expense for the account of Ovivo, nor shall Ovivo be responsible for such work or expenses, until after Purchaser/Owner has provided Ovivo's PROJECT MANAGER full details (including estimate of material cost and amount and rate of labor required) of the work, services, material or expenses, and Ovivo has approved the same in writing. Ovivo will not accept Products returned by Purchaser/Owner unless Ovivo has previously accepted the return in writing and provided Purchaser/Owner with shipping instructions.

****PURCHASE ORDER SUBMISSION****

In an effort to ensure all purchase orders are processed timely and efficiently, please submit all purchase order documentation to the following department and address. If customer sends PO by mail, Customer shall also notify Ovivo electronically.

Ovivo USA, LLC
4246 Riverboat Road, Suite 300
Salt Lake City, Utah 84123

Attn: Amy Harrison
Tel. #: 801-931-3000
Email: amy.harrison@ovivowater.com

GENERAL ITEMS NOT INCLUDED

Unless specifically and expressly included above, prices quoted by Ovivo do not include unloading, hauling, erection, installation, piping, valves, fittings, stairways, ladders, walkways, grating, wall spools, concrete, grout, sealant, dissimilar metal protection, oakum, mastic, field

painting, oil or grease, electrical controls, wiring, mounting hardware, welding, weld rod, shims, leveling plates, protection against corrosion due to unprotected storage, special engineering, or overall plant or system operating instructions or any other products or services.

Performance and payment security, including but not limited to bonds, letters of credit, or bank guarantees, are not included, but can be provided if purchased for an additional cost.

MANUALS

The content of any and all installation, operation and maintenance or other manuals or documents pertaining to the Products are copyrighted and shall not be modified without the express prior written consent of Ovivo. Ovivo disclaims any liability for claims resulting from unauthorized modifications to any such manuals or other documents provided by Ovivo in connection with the Project.

WARRANTY AND CONDITIONS

Ovivo standard Terms and Conditions of Sale is attached and made an essential part of this proposal. These terms and conditions are an integral part of Ovivo's offer of Products and related services and replace and supersede any terms and conditions or warranty included in Purchaser or Owner requests for quotation or specifications and cannot be changed without written approval from an authorized representative of Ovivo.

PERFORMANCE WARRANTY DISCLAIMER

The performance of the Products is dependent upon many factors, including, but not limited to, the influent or feed quality and quantity, additives required, time, temperature, rates of change, sizing criteria used, operating conditions, etc. Therefore, Ovivo cannot assume any liability or responsibility for performance or process results that Purchaser is expecting or has predicted. No verbal or written information or advice given by any personnel of the Ovivo shall create a warranty or in any way increase the scope of the warranties.

THE PARTIES AGREE THAT OTHER THAN ITS MECHANICAL WARRANTY SET FORTH IN THIS PROPOSAL, OR ANY PERFORMANCE WARRANTY SET FORTH ON OVIVO'S STANDARD ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY PROCESS OR PERFORMANCE RELATED WARRANTIES OR WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY, WHETHER WRITTEN, ORAL OR STATUTORY, ARE EXCLUDED TO THE FULLEST EXTENT PERMISSIBLE BY LAW.

CONFIDENTIALITY

This document is not to be reproduced or submitted to any third party without the written consent of Ovivo.

This document contains, or Ovivo may have previously disclosed to Purchaser, certain technical and business information of Ovivo and/or Ovivo's affiliated entities, including certain copyrighted material, which is considered to be confidential. Such information, hereinafter referred to individually and collectively as the "Information", may include, without limitation, ideas, concepts, development plans for new or improved products or processes, data, formulae, techniques, flow sheets, designs, sketches, know-how, photographs, plans, drawings (regardless of what name, if any, is stated on the title block), specifications, samples, test specimens, reports, customer lists, price lists, findings, studies, computer programs and technical documentation, trade secrets, diagrams, and inventions, notes, and all information pertaining thereto and/or developed there from. This Information is disclosed in good faith solely for the purposes of our proposal, and in addition on the understanding that its confidentiality will be properly maintained and safeguarded.

Neither this proposal, the Information nor any part thereof may be copied, reproduced or used for any purpose other than that for which it is disclosed by Ovivo. Except as reasonably necessary for the evaluation of this proposal, no part thereof may be disclosed to any other person, without Ovivo's prior consent in writing.

Ovivo will retain the rights to any intellectual property rights ("IPR") related to the Products. Ovivo will grant a non-exclusive royalty free license to use the IPR for the sole purposes of operating and maintaining the equipment supplied by Ovivo.

The duties, obligations, restrictions, and responsibilities described hereinabove shall apply to the Purchaser, their agents, affiliates, and all related parties regardless of whether any transaction occurs between Ovivo and Purchaser, and shall survive termination, cancellation, and expiration of any transaction between Ovivo and Purchaser.

In the event of a breach of the terms herein, Ovivo maintains the right to seek any and all remedies and damages available to it, including but not limited to the amount, including interest, by which Purchaser profited from the breach, any gains made by Purchaser or any third party who received Information from Purchaser, compensation for all Ovivo loss or injury, and the value of Ovivo's expectation created by the promise of Purchaser. The parties agree Ovivo would suffer irreparable harm in the event of any breach of these terms, and therefore Ovivo shall be entitled to any and all injunctive relief available.

Very truly yours,

Ovivo USA, LLC

TERMS AND CONDITIONS

1. ACCEPTANCE. The proposal of **Ovivo USA, LLC** ("SELLER"), as well as these terms and conditions of sale (collectively the "Agreement"), constitutes SELLER's contractual offer of goods and associated services, and PURCHASER's acceptance of this offer is expressly limited to the terms of the Agreement. The scope and terms and conditions of this Agreement represent the entire offer by SELLER and supersede all other solicitations, discussions, agreements, understandings and representations between the parties. Any scope or terms and conditions included in PURCHASER's acceptance/purchase order that are in addition to or different from this Agreement are hereby rejected.

2. DELIVERY. Any statements relating to the date of shipment of the Products (as defined below) represent SELLER's best estimate, but is not guaranteed, and SELLER shall not be liable for any damages due to late delivery. The Products shall be delivered to the delivery point or points in accordance with the delivery terms stated in SELLER's proposal. If such delivery is prevented or postponed by reason of Force Majeure (as defined below), SELLER shall be entitled at its option to tender delivery to PURCHASER at the point or points of manufacture, and in default of PURCHASER's acceptance of delivery to cause the Products to be stored at such a point or points of manufacture at PURCHASER's expense. Such tender, if accepted, or such storage, shall constitute delivery for all purposes of this agreement. If shipment is postponed at request of PURCHASER, or due to delay in receipt of shipping instructions, payment of the purchase price shall be due on notice from SELLER that the Products are ready for shipment. Handling, moving, storage, insurance and other charges thereafter incurred by SELLER with respect to the Products shall be for the account of PURCHASER and shall be paid by PURCHASER when invoiced. Delivery by SELLER of the Products shall constitute acceptance of the Products by PURCHASER, unless written notice of defect or nonconformity is received by SELLER within thirty (30) days of SELLER's delivery of the Products.

3. TITLE AND RISK OF LOSS. SELLER shall retain the fullest right, title, and interest in the Products to the extent permitted by applicable law, including a security interest in the Products, until the full purchase price has been paid to SELLER. The giving and accepting of drafts, notes and/or trade acceptances to evidence the payments due shall not constitute or be construed as payment so as to pass SELLER's interests until said drafts, notes and/or trade acceptances are paid in full. Risk of loss shall pass to PURCHASER at the delivery point.

4. PAYMENT TERMS. SELLER reserves the right to ship the Products and be paid for such on a pro rata basis, as shipped. If payments are not made by the due date, interest at a rate of two percent (2%) per month, calculated daily, shall apply from the due date for payment. PURCHASER is liable to pay SELLER's legal fees and all other expenses in respect of enforcing or attempting to enforce any of SELLER's rights relating to a breach or threatened breach of the payment terms by PURCHASER. In the event of nonpayment SELLER reserves the further right to seek compensation from any third party in possession of the Products.

5. TAXES. Unless otherwise specifically provided in SELLER's quotation/proposal; PURCHASER shall pay and/or reimburse SELLER, in addition to the price, for all sales, use and other taxes, excises and charges which SELLER may pay or be required to pay to any government directly or indirectly in connection with the production, sale, transportation, and/or use by SELLER or PURCHASER, of any of the Products or services dealt with herein (whether the same may be regarded as personal or real property). PURCHASER agrees to pay all property and other taxes which may be levied, assessed or charged against or upon any of the Products on or after the date of actual shipment, or placing into storage for PURCHASER's account.

6. MECHANICAL WARRANTY. Solely for the benefit of PURCHASER, SELLER warrants that new equipment and parts manufactured by it and provided to PURCHASER (collectively, "Products") shall be free from defects in material and workmanship. The warranty period shall be twelve (12) months from startup of the equipment not to exceed eighteen (18) months from the earliest of the notice of readiness to ship or the actual shipment. If any of SELLER's Products fail to comply with the foregoing warranty, SELLER shall repair or replace free of charge to PURCHASER, EX WORKS SELLER'S FACTORIES or other location that SELLER designates, any Product or parts thereof returned to SELLER, which examination shall show to have failed under normal use and service operation by PURCHASER within the Warranty Period; provided, that if it would be impracticable for the Product or part thereof to be returned to SELLER, SELLER will send a representative to PURCHASER's job site to inspect the Product. If it is determined after inspection that SELLER is liable under this warranty to repair or replace the Product or part thereof, SELLER shall bear the transportation costs of (a) returning the Product to SELLER for inspection or sending its representative to the job site and (b) returning the repaired or replaced Products to PURCHASER; however, if it is determined after inspection that SELLER is not liable under this warranty, PURCHASER shall pay those costs. For SELLER to be liable with respect to this warranty, PURCHASER must make its claims to SELLER with respect to this warranty in writing no later than thirty (30) days after the date PURCHASER discovers the basis for its warranty claim and in no event more than thirty (30) days after the expiration of the Warranty Period. In addition to any other limitation or disclaimer with respect to this warranty, SELLER shall have no liability with respect to any of the following: (i) failure of the Products, or damages to them, due to PURCHASER's negligence or willful misconduct, abuse or improper storage, installation, application or maintenance (as specified in any manuals or written instructions that SELLER provides to the PURCHASER); (ii) any Products that have been altered or repaired in any way without SELLER's prior written authorization; (iii) The costs of dismantling and reinstallation of the Products; (iv) any Products damaged while in transit or otherwise by accident; (v) decomposition of Products by chemical action, erosion or corrosion or wear to Products or due to conditions of temperature, moisture and dirt; or (vi) claims with respect to parts that are consumable and normally replaced during maintenance such as filter media, filter drainage belts and the like, except where such parts are not performing to SELLER's estimate of normal service life, in which case, SELLER shall only be liable for the pro rata cost of replacement of those parts based on SELLER's estimate of what the remaining service life of those parts should have been; provided, that failure of those parts did not result from any of the matters listed in clauses (i) through (v) above. With regard to third-party parts, equipment, accessories or components not of Seller's design, Seller's liability shall be limited solely to the assignment of available third-party warranties. THE PARTIES AGREE THAT, OTHER THAN OVIVO'S MECHANICAL WARRANTY SET FORTH IN THIS PROPOSAL, ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY PROCESS OR PERFORMANCE RELATED WARRANTIES OR WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY, WHETHER WRITTEN, ORAL OR STATUTORY, ARE EXCLUDED TO THE FULLEST EXTENT PERMISSIBLE BY LAW. All warranties and obligations of Seller shall terminate if Buyer fails to perform its obligations under this Contract including but not limited to any failure to pay any charges due to Seller.

The performance of the Products is dependent upon many factors, including the influent or feed quality and quantity, additives required, time, temperature, rates of change, sizing criteria used, operating conditions, etc. Therefore, Seller cannot assume any liability or responsibility for performance results that Buyer is expecting or has predicted. No verbal or written information or advice given by any personnel of the Seller shall create a warranty or in any way increase the scope of the warranties.

7. CONFIDENTIAL AND PROPRIETARY INFORMATION. All nonpublic or proprietary information and data furnished to PURCHASER hereunder, including but not limited to price, size, type, design and other technical or business information relating to the Products is the sole property of SELLER and submitted for PURCHASER's own confidential use solely in connection with this Agreement and is not to be made known or available to any third party without SELLER's prior written consent.

8. SURFACE COATING. Any Product coating provided by SELLER shall be in accordance with SELLER's standard practice, unless otherwise agreed in writing.

9. DRAWINGS AND TECHNICAL DOCUMENTATION. When PURCHASER requests to approve drawings before commencement of manufacture, shipment may be delayed if approved drawings are not returned to SELLER within fourteen (14) days of receipt by PURCHASER of such drawings for approval. SELLER will furnish only general arrangement, general assembly, and if required, wiring diagrams, erection drawings, installation and operation-maintenance manuals for SELLER's equipment (in English language). SELLER will supply six (6) complete sets of drawings and operating instructions. Additional sets will be paid for by PURCHASER. Electronic files, if requested from SELLER, will be provided in pdf, jpg or tif format only.

10. SET OFF. This Agreement shall be completely independent of all other contracts between the parties and all payments due to SELLER hereunder shall be paid when due and shall not be setoff or applied against any money due or claimed to be due from SELLER to PURCHASER on account of any other transaction or claim.

11. SOFTWARE. PURCHASER shall have a nonexclusive and nontransferable license to use any information processing program supplied by SELLER with the Products. PURCHASER acknowledges that such programs and the information contained therein is Confidential Information and agrees: a) not to copy or duplicate the program except for archival or security purposes; b) not to use the program on any computer other than the computer with which it is supplied; and c) to limit access to the program to those of its employees who are necessary to permit authorized use of the program. PURCHASER agrees to execute and be bound by the terms of any software license applicable to the Products supplied.

12. PATENT INDEMNITY. SELLER will defend at its own expense any suit instituted against PURCHASER based upon claims that SELLER's Product hereunder in and of itself constitutes an infringement of any valid

apparatus claims of any United States patent issued and existing as of the date of this Agreement, if notified promptly in writing and given all information, assistance, and sole authority to defend and settle the same, and SELLER shall indemnify the PURCHASER against such claims of infringement. Furthermore, in case the use of the Products is enjoined in such suit or in case SELLER otherwise deems it advisable, SELLER shall, at its own expense and discretion, (a) procure for the PURCHASER the right to continue using the Products, (b) replace the same with non-infringing Products, (c) modify the Product so it becomes non-infringing, or (d) remove the Products and refund the purchase price less freight charges and depreciation. SELLER shall not be liable for, and PURCHASER shall indemnify SELLER for, any claim of infringement related to (a) the use of the Products for any purpose other than that for which it was furnished by SELLER, (b) compliance with equipment designs not furnished by SELLER or (c) use of the Products in combination with any other equipment. The foregoing states the sole liability of SELLER for patent infringement with respect to the Products.

14. GENERAL INDEMNITY. Subject to the limitations of liabilities of the parties set forth in this Agreement, each party shall protect and indemnify the other party, its parent and their respective officers, directors, employees and agents, from and against all claims, demands and causes of action asserted by, or in favor of, any entity to the extent of the indemnifying party's negligence or willful misconduct in connection with the performance of this agreement.

15. DEFAULT, TERMINATION. In the event that PURCHASER becomes insolvent, commits an act of bankruptcy or defaults in the performance of any term or condition of this Agreement, the entire unpaid portion of the purchase price shall, without notice or demand, become immediately due and payable. SELLER at its option, without notice or demand, shall be entitled to sue for said balance and for reasonable legal fees, plus out-of-pocket expenses and interest; and/or to enter any place where the Products are located and to take immediate possession of and remove the Products, with or without legal process; and/or retain all payments made as compensation for the use of the Products; and/or resell the Products, without notice or demand, for and on behalf of the PURCHASER, and to apply the net proceeds from such sale (after deduction from the sale price of all expenses of such sale and all expenses of retaking possession, repairs necessary to put the Products in saleable condition, storage charges, taxes, liens, collection and legal fees and all other expenses in connection therewith) to the balance then due to SELLER for the Products and to receive from the PURCHASER the deficiency between such net proceeds of sale and such balance. PURCHASER hereby waives all trespass, damage and claims resulting from any such entry, repossession, removal, retention, repair, alteration and sale. The remedies provided in this paragraph are in addition to and not limitations of any other rights of SELLER.

16. CANCELLATION. PURCHASER may terminate this Agreement for convenience upon giving SELLER thirty (30) days prior written notice of such fact and paying SELLER for all costs and expenses (including overhead) incurred by it in performing its work and closing out the same plus a reasonable profit thereon. All such costs and expenses shall be paid to SELLER within ten (10) days of the termination of the Agreement, or be subject to an additional late payment penalty of five percent (5%) of the total amount of costs and expenses owed.

17. REMEDIES. The rights and remedies of the PURCHASER in connection with the goods and services provided by SELLER hereunder are exclusive and limited to the rights and remedies expressly stated in this Agreement.

18. INSPECTION. PURCHASER is entitled to make reasonable inspection of Products at SELLER's facility. SELLER reserves the right to determine the reasonableness of the request and to select an appropriate time for such inspection. All costs of inspections not expressly included as an itemized part of the quoted price of the Products in this Agreement shall be paid by PURCHASER.

19. WAIVER. Any failure by SELLER to enforce PURCHASER's strict performance of any provision of this Agreement will not constitute a waiver of its right to subsequently enforce such provision or any other provision of this Agreement.

20. COMPLIANCE WITH LAWS. If applicable laws, ordinances, regulations or conditions require anything different from, or in addition to that called for by this Agreement, SELLER will satisfy such requirements at PURCHASER's written request and expense.

21. FORCE MAJEURE. If SELLER is rendered unable, wholly or in material part, directly or indirectly, by reason of Force Majeure, to carry out any of its obligations hereunder, then on SELLER's notice in writing to PURCHASER within a reasonable time after the occurrence of the cause relied upon, such obligations shall be suspended. "Force Majeure" shall include, but not be limited to, acts of God, epidemics and pandemics, acts of or delays caused by governmental authorities, changes in laws and regulations, strikes, civil disobedience or unrest, lightning, fire, flood, washout, storm, communication lines failure, delays of the PURCHASER or PURCHASER's subcontractors, breakage or accident to equipment or machinery, wars, police actions, terrorism, embargos, and any other causes that are not reasonably within the control of the SELLER. If the delay is the result of PURCHASER's action or inaction, then in addition to an adjustment in time, SELLER shall be entitled to reimbursement of costs incurred to maintain its schedule. For the avoidance of doubt, if the cause relied upon has commenced prior to the Parties entered into a contracting relationship, it shall not render the cause void and/or not capable of being included within the definitions of Force Majeure, as listed within this Article 20.

22. INDEPENDENT CONTRACTOR. It is expressly understood that SELLER is an independent contractor, and that neither SELLER nor its principals, partners, parents, subsidiaries, affiliates, employees or subcontractors are servants, agents, partners, joint ventures or employees of PURCHASER in any way whatsoever.

23. SEVERABILITY. Should any portion of this Agreement, be held to be invalid or unenforceable under applicable law then the validity of the remaining portions thereof shall not be affected by such invalidity or unenforceability and shall remain in full force and effect. Furthermore, any invalid or unenforceable provision shall be modified accordingly within the confines of applicable law, giving maximum permissible effect to the parties' intentions expressed herein.

24. CHOICE OF LAW, CHOICE OF VENUE. This Agreement shall be governed and construed in accordance with the laws of the State of Utah, without regard to its rules regarding conflicts or choice of law. The parties submit to the exclusive jurisdiction and venue of the state and federal courts located in Salt Lake City, Utah.

25. ASSIGNMENT. PURCHASER shall not assign or transfer this Agreement without the prior written consent of SELLER. Any attempt to make such an assignment or transfer shall be null and void. SELLER shall have the authority to assign, or otherwise transfer, its rights and obligations in connection with this Agreement, in whole or in part, upon prior written notice to PURCHASER.

26. LIMITATION ON LIABILITY. TO THE EXTENT PERMISSIBLE BY LAW, SELLER SHALL HAVE NO FURTHER LIABILITY IN CONNECTION WITH THIS AGREEMENT IN EXCESS OF THE AMOUNT PAID BY PURCHASER FOR THE PRODUCTS GIVING RISE TO SUCH LIABILITY. NOTWITHSTANDING ANY LIABILITIES OR RESPONSIBILITIES ASSUMED BY SELLER HEREUNDER, SELLER SHALL IN NO EVENT BE RESPONSIBLE TO PURCHASER OR ANY THIRD PARTY, WHETHER ARISING UNDER CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY, OR OTHERWISE, FOR LOSS OF ANTICIPATED PROFITS, LOSS BY REASON OF PLANT SHUTDOWN, NON-OPERATION OR INCREASED EXPENSE OF OPERATION, LOSS OF DATA, SERVICE INTERRUPTIONS, COST OF PURCHASED OR REPLACEMENT POWER, COST OF MONEY, LOSS OF USE OF CAPITAL OR REVENUE OR ANY OTHER INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE, EXEMPLARY, OR CONSEQUENTIAL LOSS OR DAMAGE, WHETHER ARISING FROM DEFECTS, DELAY, OR FROM ANY OTHER CAUSE WHATSOEVER.

27. PRIVACY AND DATA PROTECTION. Seller has put in place rigorous safeguards and procedures regarding privacy and data protection, notably the Ovivo Privacy Policy (ovivowater.com/privacy-policy), and requires that Purchaser adhere to its data protection principles to the extent applicable to Purchaser.

28. DATA COLLECTION. PURCHASER consents to the collection of the Product's operational data and to the use of such data for the purpose of improving the Products and other purposes stated herein. PURCHASER further agrees that such data collection does not constitute a performance monitoring service or duty by SELLER.

29. INSURANCE. SELLER shall maintain that its current levels of insurance for the duration of the Project, as set forth in its standard certificate of insurance, available upon request.

30. BONDS. If PURCHASER deems it necessary, and within ten (10) days of PURCHASER's request, SELLER shall provide one or more Bonds in favor of PURCHASER, at PURCHASER's expense, by an institution, and in form, approved in advance by SELLER.

31. PERMITS. PURCHASER shall be solely responsible to obtain and maintain in force all necessary permits with respect to any products to be provided by SELLER hereunder and any intended use by PURCHASER.

BID FORMS

IX. BID SHEET AND ASSOCIATED SIGNATURE SHEET

BIDDING SHEET #1 – DIGESTER #2 LID REPLACEMENT

The undersigned hereby proposed to furnish and deliver the following items of equipment to OWNER, all in strict accordance with the attached and/or incorporated Special Requirements, Technical Specifications, and Drawings, for the following Bid prices:

Bid Item A - Furnish Digester Lid:

\$ 300,368 *
(Figures)

\$ Three hundred thousand three hundred sixty eight USD *
(Written)

Bid Item B - Firm Price for the supply of submittals and manufacturer's shop drawings (This price is *not* to be included in the equipment price above):

\$ 15,172 *
(Figures)

\$ Fifteen thousand one hundred seventy two USD *
(Written)

Bid Item C - Firm Price for the supply of the manufacturer's recommended spare parts not included in the price above (attach list showing individual components and costs): (This price is *not* to be included in the equipment price above):

\$ _____ *
(Figures)

\$ _____ *
(Written)

*** The above prices must include any applicable taxes by reason of this contract.**

Suppliers must include **all** proposed costs for performance under the contract. Suppliers must provide all personnel and other resources required to complete the contract. Suppliers are solely responsible for start-up and transition expenses. Any costs that cannot be determined, based on the available information, should be indicated and explained.

Does Proposed Equipment meet **All** of the Specifications? YES

If No, please make notations on Exceptions sheet. CLARIFICATIONS LISTED IN THE PROPOSAL FOR EACH OPTION

IX. ALTERNATE BID I - SHEET AND ASSOCIATED SIGNATURE SHEET

BIDDING SHEET #1 – DIGESTER #2 LID REPLACEMENT

The undersigned hereby proposed to furnish and deliver the following items of equipment to OWNER, all in strict accordance with the attached and/or incorporated Special Requirements, Technical Specifications, and Drawings, for the following Bid prices:

Bid Item A - Furnish Digester Lid:

\$ 278,169 *
(Figures)

\$ Two hundred thousand seventy eight one hundred sixty nine *
(Written)

Bid Item B - Firm Price for the supply of submittals and manufacturer's shop drawings (This price is *not* to be included in the equipment price above):

\$ 15,172 *
(Figures)

\$ Fifteen thousand one hundred seventy two USD *
(Written)

Bid Item C - Firm Price for the supply of the manufacturer's recommended spare parts not included in the price above (attach list showing individual components and costs): (This price is *not* to be included in the equipment price above):

\$ _____ *
(Figures)

\$ _____ *
(Written)

*** The above prices must include any applicable taxes by reason of this contract.**

Suppliers must include **all** proposed costs for performance under the contract. Suppliers must provide all personnel and other resources required to complete the contract. Suppliers are solely responsible for start-up and transition expenses. Any costs that cannot be determined, based on the available information, should be indicated and explained.

Does Proposed Equipment meet All of the Specifications? NO, IT MEETS THE INTENT OF THE SPECS

If No, please make notations on Exceptions sheet. CLARIFICATIONS LISTED IN THE PROPOSAL FOR EACH OPTION

IX. ALTERNATE BID II - SHEET AND ASSOCIATED SIGNATURE SHEET

BIDDING SHEET #1 – DIGESTER #2 LID REPLACEMENT

The undersigned hereby proposed to furnish and deliver the following items of equipment to OWNER, all in strict accordance with the attached and/or incorporated Special Requirements, Technical Specifications, and Drawings, for the following Bid prices:

Bid Item A - Furnish Digester Lid:

\$ 280,389 *
(Figures)

\$ Two hundred eighty thousand three hundred eighty nine USD *
(Written)

Bid Item B - Firm Price for the supply of submittals and manufacturer's shop drawings (This price is *not* to be included in the equipment price above):

\$ 19,850 *
(Figures)

\$ Ninety thousand eight hundred fifty USD *
(Written)

Bid Item C - Firm Price for the supply of the manufacturer's recommended spare parts not included in the price above (attach list showing individual components and costs): (This price is *not* to be included in the equipment price above):

\$ _____ *
(Figures)

\$ _____ *
(Written)

*** The above prices must include any applicable taxes by reason of this contract.**

Suppliers must include all proposed costs for performance under the contract. Suppliers must provide all personnel and other resources required to complete the contract. Suppliers are solely responsible for start-up and transition expenses. Any costs that cannot be determined, based on the available information, should be indicated and explained.

Does Proposed Equipment meet All of the Specifications? NO, IT MEETS THE INTENT OF THE SPECS

If No, please make notations on Exceptions sheet. CLARIFICATIONS LISTED IN THE PROPOSAL FOR EACH OPTION

SIGNATURE FORM

SIGNATURE SHEET

I hereby certify that I am authorized to sign as a Representative for the Firm:

Name of Firm: Ovivo USA, LLC

Address: 4246 Riverboat Road – Suite 300, Salt Lake City, Utah 84123-2583

Fed ID No.: 76-074264

Name: Jim Groman

Title: Division Manager - Biosolids Management & Resource Recovery Group

Telephone: 714-220-9923

Fax No. 801-931-3080

Email: Jim.Groman@ovivowater.com

Date: 09-21-2022

My signature certifies that the proposal as submitted complies with all Terms and conditions as set forth in RFP.

Representative Signature

My signature also certifies that this firm has no business or personal relationships with any other companies or persons that could be considered a conflict of interest or potential conflict of interest to OWNER, pertaining to any and all work or services to be performed as a result of this request and any resulting contract with OWNER.

To receive consideration for award, this signature sheet must be included with the bid form for each item.

EXCEPTION FORM

XII. EXCEPTIONS

Please state below any and all exceptions that you are taking to any portion of this Request for Proposals. If not addressed below, OWNER then assumes that the vendor will adhere to all terms and conditions as contained in the proposal document. Vendor is responsible to reconcile, at vendor cost, any exceptions not listed in this section. Please provide additional lines or sheets as required.

BASE BID, ALTERNATES I AND II CLARIFICATIONS TO SPECIFICATION SECTION 4370000

Please refer to the “Clarifications and Exceptions” section for each proposed option for further details

Base Bid - No Exceptions: See Page 10 for details and clarifications

Alternate I Bid - Exception to Section 2.1 and 2.2. See Pages 16-17 for details and clarifications

Alternate II Bid - Exception to the entire specification as a membrane gasholder is being proposed. What is being proposed will meet the intent of the specifications. See Page 22-23 for details and clarification

ISO 9001 CERTIFICATE

Certificate of Approval

This is to certify that the Management System of:

Ovivo USA LLC

4246 Riverboat Road, Suite 300, Salt Lake City, UT, 84123, United States

has been approved by Lloyd's Register to the following standards:

ISO 9001:2015

Approval number(s): ISO 9001 – 0006490-015

This certificate forms part of the approval identified by approval number: 0006490

The scope of this approval is applicable to:

Design, manufacture, supply, install, service and commission wastewater and water treatment plants, associated equipment and systems. Sale of chemical products used for water treatment.



David Derrick

Area Operations Manager UK & Ireland

Issued by: Lloyd's Register Quality Assurance Limited



PARTIAL INSTALLATION LISTS

Ovivo Steel Cover Installation List

LOCATION			DESCRIPTION						
City/Project Name	City	State	Country	Type of Equipment or Service provided	Qty.	Type of Cover	Model	Size (ft)	Operating Press (in WC)
Hoboken	Hoboken	New Jersey	USA	Cover	1	Fixed	F	70	
Williamtic	Williamtic	Connecticut	USA	Cover	1	Fixed	F	40	
Farmington, New Mexico	Farmington	New Mexico	USA	Cover	1	Fixed	F	70	
Kearns	Kearns	Utah	USA	Cover	1	Fixed	F	50	
Great Falls	Great Falls	Minnesota	USA	Cover	1	Fixed	F	70	
Gallup	Gallup	New Mexico	USA	Cover	1	Fixed	F	40	
Rocky River STP		Ohio	USA	Cover	2	Fixed	F	55	
Morresville	Morresville	North Carolina	USA	Cover	1	Fixed	F	45	
Yoke	Yoke	South Carolina	USA	Cover	1	Fixed	F	45	
Missoula	Missoula	Minnesota	USA	Cover	1	Fixed	F	50	
Clairton	Clairton	Pennsylvania	USA	Cover	1	Fixed	F	35	
Tremonton	Tremonton	Utah	USA	Cover	1	Fixed	F	40	
Phoenix	Phoenix	Arizona	USA	Cover	2	Fixed	F	90	
Genesee County		Michigan	USA	Cover	1	Fixed	F	35	
San Antonio	San Antonio	Texas	USA	Cover	6	Fixed	F	60	
Oneida	Oneida	New York	USA	Cover	1	Fixed	F	28	
Fort Worth	Fort Worth	Texas	USA	Cover	4	Fixed	F	90	
Newwaygo	Newwaygo	Michigan	USA	Cover	1	Fixed	F	16	
Salem	Salem	Utah	USA	Cover	1	Fixed	F	20	
Lakewood	Lakewood	Ohio	USA	Cover	2	Fixed	F	75	
Coalville	Coalville	Utah	USA	Cover	1	Fixed	F	20	
Las Cruces WWTP	Las Cruces	New Mexico	USA	Cover	1	Fixed	F	50	
Carrilton	Carrilton	Georgia	USA	Cover	1	Fixed	F	45	
East Wenatchee	East Wenatchee	Washington	USA	Cover	1	Fixed	F	25	
Lewiston	Lewiston	Minnesota	USA	Cover	1	Fixed	F	30	
Duncanville	Duncanville	Texas	USA	Cover	1	Fixed	F	50	
Duncanville	Duncanville	Texas	USA	Cover	1	Fixed	F	28	
Lubbock	Lubbock	Texas	USA	Cover	1	Fixed	F	90	
Milpitas	Milpitas	California	USA	Cover	1	Fixed	F	70	
Lewisburg	Lewisburg	Tennessee	USA	Cover	1	Fixed	F	50	
Suffield	Suffield	Connecticut	USA	Cover	1	Fixed	F	30	
Preston	Preston	Idaho	USA	Cover	1	Fixed	F	25	
Beaverton	Beaverton	Oregon	USA	Cover	1	Fixed	F	40	
London WWTP	London	Ohio	USA	Cover	1	Fixed	F	35	
Nampa	Nampa	Idaho	USA	Cover	1	Fixed	F	70	
Westside STP	Westside	Texas	USA	Cover	1	Fixed	F	95	

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Ovivo Steel Cover Installation List

City/Project Name	City	State	Country	Type of Equipment or Service provided	Qty.	Type of Cover	Model	Size (ft)	Operating Press (in WC)
Zebulon	Zebulon	North Carolina	USA	Cover	1	Fixed	F	25	
Syracuse	Syracuse	New York	USA	Cover	4	Fixed	F	40	
Steilacoom	Steilacoom	Washington	USA	Cover	1	Fixed	F	25	
Arlington	Arlington	Oregon	USA	Cover	1	Fixed	F	16	
Waukesha	Waukesha	Wisconsin	USA	Cover	1	Fixed	F	55	
Hermitage	Hermitage	Tennessee	USA	Cover	1	Fixed	F	35	
Soledad	Soledad	California	USA	Cover	1	Fixed	F	40	
Potsdam	Potsdam	New York	USA	Cover	1	Fixed	F	40	
Canton	Canton	New York	USA	Cover	1	Fixed	F	40	
San Antonio	San Antonio	Texas	USA	Cover	8	Fixed	F	60	
McMinnville	McMinnville	Tennessee	USA	Cover	1	Fixed	F	45	
Harrison	Harrison	Ohio	USA	Cover	1	Fixed	F	25	
Athens	Athens	Alabama	USA	Cover	1	Fixed	F	40	
South San Francisco	San Francisco	California	USA	Cover	1	Fixed	F	68	
Phoenix	Phoenix	Arizona	USA	Cover	2	Fixed	F	90	
San Antonio	San Antonio	Texas	USA	Cover	4	Fixed	F	60	
Syracuse	Syracuse	New York	USA	Cover	1	Fixed	F	100	
Gretna	Gretna	Louisiana	USA	Cover	1	Fixed	F	50	
Pima County		Arkansas	USA	Cover	1	Fixed	F	90	
Saint Joseph STP	Saint Joseph	Missouri	USA	Cover	1	Fixed	F	85	
Toppenish	Toppenish	Washington	USA	Cover	1	Fixed	F	35	
Carmel PCP		California	USA	Cover	1	Fixed	F	65	
Plymouth	Plymouth	Wisconsin	USA	Cover	1	Fixed	F	55	
Heart of the Valley		Wisconsin	USA	Cover	1	Fixed	F	65	
Sheboygan WWTP	Sheboygan	Wisconsin	USA	Cover	3	Fixed	F	70	
Sheboygan WWTP	Sheboygan	Wisconsin	USA	Cover	3	Fixed	F	60	
Hill Canyon WWTP	Hill Canyon	California	USA	Cover	1	Fixed	F	85	
Kettlemen City	Kettlemen City	California	USA	Cover	2	Fixed	F	20	
Glenwood Springs	Glenwood Springs	Colorado	USA	Cover	1	Fixed	F	40	
Alvarado	Palo Alto	California	USA	Cover	1	Fixed	F	40	
Ivarado	Palo Alto	California	USA	Cover	1	Fixed	F	60	
Clinton	Clinton	New York	USA	Cover	1	Fixed	F	35	
Village Creek WWTP	Arlington	Texas	USA	Cover	1	Fixed	F	90	
Warren	Warren	Ohio	USA	Cover	1	Fixed	F	40	
Rockland	Rockland	Massachusetts	USA	Cover	1	Fixed	F	45	
Denmark	Denmark	Wisconsin	USA	Cover	1	Fixed	F	40	
Selinsgrove Municipal Authority	Selinsgrove	Pennsylvania	USA	Cover	1	Fixed	F	60	

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Ovivo Steel Cover Installation List

City/Project Name	City	State	Country	Type of Equipment or Service provided	Qty.	Type of Cover	Model	Size (ft)	Operating Press (in WC)
State Hospital	Warren	Pennsylvania	USA	Cover	1	Fixed	F	40	
Round Hill	Round Hill		USA	Cover	1	Fixed	F	20	
Central Davis Sewer District	Kaysville	Utah	USA	Cover	1	Fixed	F	50	
Roger Road	Tuscon	Arizona	USA	Cover	2	Fixed	F	80	
Baxley	Baxley	Georgia	USA	Cover	1	Fixed	F	30	
Phoenix	Phoenix	Arizona	USA	Cover	2	Fixed	F	90	
Phoenix	Phoenix	Arizona	USA	Cover	2	Fixed	F	90	
Artesia	Artesia	New Mexico	USA	Cover	1	Fixed	F	55	
Wapakoneta	Wapakoneta	Ohio	USA	Cover	2	Fixed	F	35	
Blackwell WWTP	Blackwell	Oklahoma	USA	Cover	1	Fixed	F	30	
Blackwell WWTP	Blackwell	Oklahoma	USA	Cover	1	Fixed	F	45	
Larned STP	Larned	Kansas	USA	Cover	2	Fixed	F	30	
Vermilion WWTP	Vermilion	Ohio	USA	Cover	1	Fixed	F	50	
Alliance WWTP	Alliance	Ohio	USA	Cover	1	Fixed	F	85	
Helena WWTP	Helena	Minnesota	USA	Cover	1	Fixed	F	55	
Huron Basin STP	Huron	Ohio	USA	Cover	1	Fixed	F1	50	
Sandpoint STP	Sandpoint	Idaho	USA	Cover	1	Fixed	F1	40	
Muddy Creek STP	Winston-Salem	North Carolina	USA	Cover	4	Fixed	FYRT	100	
Ignacio STP	Ignacio	California	USA	Cover	1	Fixed	F1	26	
North Regional WWTP	Dayton	Ohio	USA	Cover	1	Fixed	F2	80	
Village Creek WWTP	Arlington	Texas	USA	Cover	2	Fixed	F2	80	
Carmel PCP		California	USA	Cover	1	Fixed	F1	50	
Novato WWTP	Novato	California	USA	Cover	1	Fixed	F2	60	
Spanish Fork WRF	Spanish Fork	Utah	USA	Cover	1	Fixed	F1	50	
Bemidji WWTP	Bemidji	Minnesota	USA	Cover	1	Fixed	F1	45	
Chillicothe Prison	Chillicothe	Ohio	USA	Cover	1	Fixed	F1	30	
Chillicothe Prison	Chillicothe	Ohio	USA	Cover	1	Fixed	F1	30	
Alameda Co.		California	USA	Cover	2	Fixed	F2	70	
Aberdeen WWTP	Aberdeen	South Dakota	USA	Cover	1	Fixed	F2	60	
Pueblo WWTP	Pueblo	Colorado	USA	Cover	2	Fixed	F1	50	
Morris Forman STP	Louisville	Kentucky	USA	Cover	1	Fixed	F3	100	
Indian Creek WWTP	Kansas	Kansas	USA	Cover	1	Fixed	F1	55	
Middletown WTF	Middletown	New York	USA	Cover	2	Fixed	F1	40	
Owatonna WWTP	Owatonna	Minnesota	USA	Cover	1	Fixed	F2	60	
Campbell WWTP	Campbell	Ohio	USA	Cover	1	Fixed	F1	25	
Leon Creek STP	San Antonio	Texas	USA	Cover	8	Fixed	F2	60	

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Ovivo Steel Cover Installation List

City/Project Name	City	State	Country	Type of Equipment or Service provided	Qty.	Type of Cover	Model	Size (ft)	Operating Press (in WC)
Salado Creek STP	San Antonio	Texas	USA	Cover	8	Fixed	F2	60	
Bayview STP		Ohio	USA	Cover	6	Fixed	F2	85	
London WWTP	London	Ohio	USA	Cover	1	Fixed	F1	30	
London WWTP	London	Ohio	USA	Cover	1	Fixed	F1	40	
Southside WWTP	Scottsboro	Alabama	USA	Cover	1	Fixed	F1	45	
Brookpark WWTP	Brookpark	Ohio	USA	Cover	1	Fixed	F1	40	
Econchate WWTP	Montgomery	Alabama	USA	Cover	2	Fixed	F3	100	
Northeastern York County WWTP	Mount Wolf	Pennsylvania	USA	Cover	1	Fixed	F1	35	
East Tawas WWTP	Tawas	Michigan	USA	Cover	1	Fixed	F1	35	
Moundsville WWTP	Moundsville	West Virginia	USA	Cover	1	Fixed	F1	50	
Moulton Niguel	Laguna Niguel	California	USA	Cover	2	Fixed	F2	54	
Ina Road WRF	Marana	Arizona	USA	Cover	1	Fixed	F2	90	
Hemstead WWTP	Hemstead	Texas	USA	Cover	1	Fixed	F1	35	
Easterly WWTP	Elmira	California	USA	Cover	1	Fixed	F2	55	
Village Creek WWTP	Arlington	Texas	USA	Cover	4	Fixed	F3	90	
Village Creek WWTP	Arlington	Texas	USA	Cover	1	Fixed	F2	70	
Harmony Creek WWTP		Ontario	Canada	Cover	1	Fixed	F2	80	
Nortfield STP	Nortfield	Vermont	USA	Cover	1	Fixed	F1	27	
Plam Beach County		Florida	USA	Cover	2	Fixed	F2	65	
Wadena STP		Minnesota	USA	Cover	1	Fixed	F1	35	
Encina WPCF	Carlsbad	California	USA	Cover	2	Fixed	F3	95	
Fort Riley WWTP	Fort Riley	Kansas	USA	Cover	1	Fixed	F1	34	
Sundog WWTP	Prescott	Arizona	USA	Cover	1	Fixed	F1	50	
Penn State University	State College	Pennsylvania	USA	Cover	2	Fixed	F1	50	
Roger Road WWTP		Arizona	USA	Cover	1	Fixed	F2	80	
Detroit WWTP	Detroit	Michigan	USA	Cover	1	Fixed	F1	35	
Airport Road WWTP		New Mexico	USA	Cover	1	Fixed	F2	55	
Sharon WWTP	Sharon	Pennsylvania	USA	Cover	1	Fixed	F1	50	
Coeur D'alene WWTP	Coeur D'alene	Idaho	USA	Cover	1	Fixed	F1	40	
Hilliard Fletcher WWTP	Tuscaloosa	Alabama	USA	Cover	1	Fixed	F2	75	
Big Spring WWTP	Big Spring	Texas	USA	Cover	1	Fixed	F1	50	
Fillmore WWTP	Fillmore	California	USA	Cover	1	Fixed	F1	50	
Bedford Hills WWTP	Bedford	New York	USA	Cover	1	Fixed	F1	20	
San Luis Rey WWTP	Oceanside	California	USA	Cover	1	Fixed	F2	60	
Norte WWTP			Mexico	Cover	3	Fixed	F2	71	
Muskogee WWTP	Muskogee	Oklahoma	USA	Cover	1	Fixed	F1	50	
Y&S Candies WWTP	Lancaster	Pennsylvania	USA	Cover	2	Fixed	F1	26	

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Ovivo Steel Cover Installation List

City/Project Name	City	State	Country	Type of Equipment or Service provided	Qty.	Type of Cover	Model	Size (ft)	Operating Press (in WC)
Barre WWTP	Barre	Vermont	USA	Cover	2	Fixed	F1	35	
Dulces Nombres			Mexico	Cover	4	Fixed	F3	120	
Black River WWTP	Lorain	Ohio	USA	Cover	1	Fixed	F2	75	
Dulces Nombres			Mexico	Cover	4	Fixed	F3	120	
Williams WWTF		Alabama	USA	Cover	2	Fixed	F2	55	
Point Loma WWTP	San Diego	California	USA	Cover	2	Fixed	F3N	125	
Plam Beach County		Florida	USA	Cover	2	Fixed	F2	65	
91st Avenue WWTP	Tolleson	Arizona	USA	Cover	1	Fixed	F3	110	
Shu-Lin WWTP		Taiwan	Taiwan	Cover	1	Fixed	F1	26	
Kern County WWTP	Bakersfield	California	USA	Cover	1	Fixed	F2	55	
Y&S Candies WWTP	Lancaster	Pennsylvania	USA	Cover	1	Fixed	F1	37	
Ww Rec. Utilities		Florida	USA	Cover	1	Fixed	F2	90	
Sidney WWTP	Sidney	Ohio	USA	Cover	1	Fixed	F2	60	
Marysville WWTP	Marysville	Ohio	USA	Cover	1	Fixed	F1	50	
Detroit Lakes WWTP	Detroit Lakes	Montana	USA	Cover	1	Fixed	F1	45	
Sod Run WWTP	Perryman	Maryland	USA	Cover	2	Fixed	F2	80	
Sod Run WWTP	Perryman	Maryland	USA	Cover	2	Fixed	F1	45.5	
Spring Branch WWTP	Huntsville	Alabama	USA	Cover	1	Fixed	F2	80	
Point Loma WWTP	San Diego	California	USA	Cover	1	Fixed	F3L	125	
Point Loma WWTP	San Diego	California	USA	Cover	1	Fixed	F2L	110	
Towassa WPCP	Montgomery	Alabama	USA	Cover	2	Fixed	F2	55	
San Luis Rey WWTP	Oceanside	California	USA	Cover	1	Fixed	F2	60	
Trenton WPCP	Trenton	New Jersey	USA	Cover	1	Fixed	F2	75	
Great Bend WWTP	Great Bend	Kansas	USA	Cover	2	Fixed	F1	40	
Empire WWTP	Empire	Minnesota	USA	Cover	1	Fixed	F1	60	
Westport WWTP	Westport	Connecticut	USA	Cover	1	Fixed	F1	40	
North Of The River Sanitary Dist. #1	Bakersfield	California	USA	Cover	1	Fixed	F1	60	
Avon Lake WWTP	Avon Lake	Ohio	USA	Cover	1	Fixed	F1	50	
Glenwood WWTP	Glenwood	Colorado	USA	Cover	1	Fixed	F1	40	
Colton WWTP	Colton	California	USA	Cover	1	Fixed	F1	80	
Benicia WWTP	Benicia	California	USA	Cover	1	Fixed	F1	35	
Fargo WWTP	Fargo	North Dakota	USA	Cover	1	Fixed	F1	55	
Atlantic WWTP	Atlantic	Iowa	USA	Cover	1	Fixed	F1	40	
Chippewa Falls STP	Chippewa Falls	Wisconsin	USA	Cover	1	Fixed	F1	65	
Easton Ajsa	Easton	Pennsylvania	USA	Cover	1	Fixed	F1	65	
Yuba County WWTP	Yuba County	California	USA	Cover	1	Fixed	F1	50	

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Ovivo Steel Cover Installation List

City/Project Name	City	State	Country	Type of Equipment or Service provided	Qty.	Type of Cover	Model	Size (ft)	Operating Press (in WC)
North Advance WRF		Georgia	USA	Cover	1	Fixed	F1L	70	
Iowa City WWTP	Iowa City	Iowa	USA	Cover	2	Fixed	F1	58	
Camp Pendleton	San Diego	California	USA	Cover	1	Fixed	F1	25	
Waterloo WWTP	Waterloo	Iowa	USA	Cover	4	Fixed	F1	70	
New Paltz WWTP	New Paltz	New York	USA	Cover	1	Fixed	F1	40	
Point Loma WWTP	San Diego	California	USA	Cover	2	Fixed	F2N	125	
Fairfield WWTP	Fairfield	Ohio	USA	Cover	2	Fixed	F1	65	
Midwest City WWTP	Midwest City	Oklahoma	USA	Cover	1	Fixed	F1	60	
Aberdeen WWTP	Aberdeen	South Dakota	USA	Cover	1	Fixed	F1	60	
Spring Branch WWTP	Huntsville	Alabama	USA	Cover	1	Fixed	F2	100	
Daly City WWTP	Daly City	California	USA	Cover	1	Fixed	F1	55	
San Angelo WWTP	San Angelo	Texas	USA	Cover	1	Fixed	F1	65	
Bayville WWTP	Bayville	New Jersey	USA	Cover	2	Fixed	F1	85	
Osceola WWTP	Osceola	Iowa	USA	Cover	1	Fixed	F1	50	
Zanesville WWTP	Zanesville	Ohio	USA	Cover	1	Fixed	F1	70	
Hibbing WWTP	Hibbing	Minnesota	USA	Cover	1	Fixed	F1	44	
Marshalltown WWTP	Marshalltown	Iowa	USA	Cover	1	Fixed	F1	75	
Marshall WWTP	Marshall	Texas	USA	Cover	1	Fixed	F1	55	
Sumner WWTP	Sumner	Washington	USA	Cover	1	Fixed	F1	60	
Indian Creek WWTP	Indian Creek	Kansas	USA	Cover	1	Fixed	F1	55	
Point Loma WWTP	San Diego	California	USA	Cover	2	Fixed	F2N	125	
Carroll WWTP	Carroll	Iowa	USA	Cover	1	Fixed	F1	35	
Turkey Hill Dairy Inc	Conestoga	Pennsylvania	USA	Cover	1	Fixed	F1	60	
Janesville WWTP	Janesville	Wisconsin	USA	Cover	1	Fixed	F1	70	
Fairmont WWTP	Fairmont	Minnesota	USA	Cover	2	Fixed	F1	36	12
Clarkson WWTP	Clarkson	Ontario	Canada	Cover	2	Fixed	F3	110	
Clarkson WWTP	Clarkson	Ontario	Canada	Cover	1	Fixed	F1	41	
Brookings WWTP	Brookings	South Dakota	USA	Cover	1	Fixed	F1	45	12
Saint Joseph STP	Saint Joseph	Missouri	USA	Cover	1	Fixed	F1U	85	
Wetzel Road WWTP	Liverpool	New York	USA	Cover	2	Fixed	F1	50	12
Painesville WPCP	Painesville	Ohio	USA	Cover	1	Fixed	F1	40	12
Aurora WWTP	Aurora	Minnesota	USA	Cover	1	Fixed	F1	30	12
Catoma WPCP	Montgomery	Alabama	USA	Cover	1	Fixed	F1	100	7.5
Galt WWTP	Cambridge	Ontario	Canada	Cover	1	Fixed	F1U	80	10
Moorhead WWTF	Moorhead	Montana	USA	Cover	2	Fixed	F1	60	12
Novato WWTP	Novato	California	USA	Cover	1	Fixed	F1	60	12
Longmont WWTP	Longmont	Colorado	USA	Cover	1	Fixed	F1	85	12

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Ovivo Steel Cover Installation List

City/Project Name	City	State	Country	Type of Equipment or Service provided	Qty.	Type of Cover	Model	Size (ft)	Operating Press (in WC)
Avondale WWTP	Avondale	Arizona	USA	Cover	2	Fixed	F1L	65	12
Spanish Fork WRF	Spanish Fork	Utah	USA	Cover	1	Fixed	F1	50	12
Marlay Taylor WRF	Lexington Park	Maryland	USA	Cover	2	Fixed	F1	60	12
Greater Hazleton JSA WWTP	Hazleton	New York	USA	Cover	1	Fixed	F1	60	12
Janesville WWTP	Janesville	Wisconsin	USA	Cover	1	Fixed	F1	70	12
Santa Barbara WWTP	Santa Barbara	California	USA	Cover	1	Fixed	F1	39	12
Orem WRF	Orem	Utah	USA	Cover	1	Fixed	F1	75	12
Dubuque WPCP	Dubuque	Iowa	USA	Cover	2	Fixed	F1	70	12
Danville WWTP	Danville	Pennsylvania	USA	Cover	1	Fixed	F1	40	13
Danville WWTP	Danville	Pennsylvania	USA	Cover	1	Fixed	F1	50	13
Lebanon WWTP	Lebanon	Pennsylvania	USA	Cover	1	Fixed	F1	100	12
Taupo WWTP	Kirrawee	Australia	Australia	Engineering Only	1	Gasholder	F1	30	N/A
Annville WWTP	Annville	Pennsylvania	USA	Cover	1	Fixed	F1	30	10
Phenix City WWTP	Phenix city	Alabama	USA	Cover	1	Fixed	F1	70	12
DC WASA	Blue Plains	Washington, D.C	USA	Cover	4	Fixed	F2	98.5	24
Oxford WWTP	Oxford	Ohio	USA	Cover	1	Fixed	F1	55	9
Linda County WWTP	Marysville	California	USA	Cover	1	Fixed	F1	50	12
Pontiac WWTP	Pontiac	Michigan	USA	Cover	1	Fixed	F1	70	9
Riverside Park WRF	Riverside Park	Washington	USA	Cover	1	Fixed	F1	60	16
West Palm Beach WRF	West Palm Beach	Florida	USA	Cover	2	Fixed	F1	90	8
Bellows Falls WWTF	Bellows Falls	Vermont	USA	Cover	1	Fixed	F1	25	10
Springfield	Springfield	Missouri	USA	Cover	3	Fixed	F1	80	15
West Goshen WWTP	West Goshen	Pennsylvania	USA	Cover	1	Fixed	F1	50	13
Fritz Island WWTP	Reading	Pennsylvania	USA	Cover	3	Fixed	F1	75	10.5
Capital Region Water WWTP	Harrisburg	Pennsylvania	USA	Cover	2	Fixed	F1	90	9
Montpelier RRF	Montpelier	Vermont	USA	Cover	2	Fixed	F1	30	10
Wright Smith WWTP	Mobile	Alabama	USA	Cover	1	Fixed	F1	80	8
Orangeville WPCP	Orangeville	Ontario	Canada	Cover	1	Fixed	F1	45	12
Stillwater WWTP	Still Water	Oklahoma	USA	Cover	1	Fixed	F1	55	10
North WWTP	Addison	Illinois	USA	Cover	2	Fixed	F1	45	10
Passaic Valley Sewerage Commission (PVSC)	Newark	New Jersey	USA	Cover	6	Fixed	FC	85	14
Archbold WWTP	Archbold	Ohio	USA	Cover	1	Fixed	F1	40	9
Western Riverside WRCRWA	Riverside	California	USA	Cover	1	Fixed	F1L	88	10
Georgetown WWTP	Georgetown	Ontario	Canada	Engineering Only	1	Fixed	F1	65	

Total Number of Covers: 370

Total Number of Projects: 253

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Month	Year	City/Project Name	City	State	Country	Qty	Membrane Type	Type of Sphere	Diameter ft	Height ft	Capacity ft3	Type Of Installation
11	2009	Marlay Taylor WRF	Lexington Park	Maryland	USA	1	3M	1/2	60	29.5	49,000	Slab Mounted
9	2010	Gatlinburg WWTP	Gatlinburg	Tennessee	USA	1	2M	1/2	60	32.2	51,500	Tank Mounted
10	2010	Bush Brothers & Co.	Augusta	Wisconsin	USA	1	2M	3/4	31	*	17,600	Slab Mounted
11	2010	Danville WWTP	Danville	Pennsylvania	USA	1	2M	1/2	75	39	97,500	Tank Mounted
12	2011	Harvest Power	London	Ontario	Canada	1	2M	1/2	62	32	62,400	Tank Mounted
4	2012	Ithaca WWTP	Ithaca	New York	USA	1	2M	3/4	39.4	57	50,000	Slab Mounted
11	2012	Hometown Bio Energy (C/O Avant)	Le Sueur	Minnesota	USA	3	2M	1/2	107	55	317,830	Slab Mounted
1	2013	Estherville WWTP	Estherville	Iowa	USA	2	2M	1/2	65	31.5	65,300	Tank Mounted
7	2013	Monroe WTF	Monroe	Wisconsin	USA	1	2M	1/2	52	27	36,000	Tank Mounted
8	2013	Agropur (Symbiont)	Luxemburg	Wisconsin	USA	1	2M	1/2	27	15.4	5,000	Slab Mounted
10	2013	Kitchener WWTF	Kitchener	Ontario	Canada	1	2M	1/2	100	46	219,000	Tank Mounted
2	2014	Visalia WWTP	Visalia	California	USA	1	2M	3/4	56	50.9	10,000	Slab Mounted
7	2014	Clarkson WWTP	Mississauga	Ontario	Canada	1	2M	3/4	50	45.6	88,300	Slab Mounted
8	2014	Opequon WRF	Opequon	Virginia	USA	1	2M	1/2	90	34.5	127,000	Tank Mounted
12	2015	Miller Creek WWTP	Normandy Park	Washington	USA	2	2M	1/2	50	21.3	24,000	Tank Mounted
10	2017	Bellows Falls WWTF	Bellows Falls	Vermont	USA	1	2M	1/2	25	14.8	4,590	Tank Mounted
7	2019	Throop WWTF	Lackawanna	Pennsylvania	USA	2	2M	1/2	65	31.56	65,000	Tank Mounted
9	2017	Norwich WPCF	Norwich	Connecticut	USA	1	2M	1/2	80	37.4	116,000	Tank Mounted
*	2019	Springfield, MO	Springfield	Missouri	USA	1	2MH	1/2	80	36	110,100	Tank Mounted
9	2019	Gatlinburg WWTP	Gatlinburg	Tennessee	USA	1	2M	1/2	60	32.2	51,500	Tank Mounted
3	2020	Southern WPCF, OCUA	Bayville	New Jersey	USA	1	3MH	SEMI	70	36.42	90,000	Tank Mounted
6	2020	Marcy Gulch WWTP	Highlands Ranch	Colorado	USA	1	2MH	3/4	28	26.25	15,000	Slab Mounted
6	2020	Fritz Island WWTP	Reading	Pennsylvania	USA	1	2M	1/4	62	18	25,500	Tank Mounted
7	2020	Great Neck WPCD	Great Neck	New York	USA	3	2M	1/2	40	22.15	16,700	Tank Mounted
11	2021	Center De Biomethanisation	Quebec City	Quebec	Canada	1	2M	3/4	53	40	70,600	Slab Mounted
1	2021	Montpelier RRF	Montpelier	Vermont	USA	1	2M	1/2	43	23.2	20,000	Tank Mounted
4	2022	Clearwater WWTP	Hershey	Pennsylvania	USA	1	2DMH	SEMI	60	29.2	51,200	Tank Mounted
4	2022	Western Riverside WRCRWA	Riverside	California	USA	1	2MH	3/4	25	23	10,000	Slab Mounted
3	2022	RAEBL Régie d'Assainissement des Eaux du Bassin	La Prairie	Quebec	Canada	1	2MH	1/2	51.5	15.7	35,300	Slab Mounted
3	2022	Little Ferry WPCF	Bergen County	New Jersey	USA	5	2DMH	SEMI	80	38.06	11,500	Tank Mounted

Total Units: 41
Total Projects: 30

REFERENCE LIST

XIII. REFERENCES - STEEL COVERS

Please list below name of business, address, telephone number, and contact person.

1. Charlotte WWTP, Charlotte, NC
Contact Person - Keith Purgason, (C) 704-572-6742 (E) Keith.Purgason@charlottenc.gov

2. Avondale WWTP, Avondale, AZ
Contact Person - Miguel Ayala (C) 623-680-1111 (E) Mayala@avondalez.gov

3. Salt Lake City WRF, Salt Lake City, UT
Contact Person - Jose Rubalcaba (C) 385-445-1699 (E) Jose.Rubalcaba@slcgov.com

4. Dubuque WPCP, Dubuque, IA
Contact Person - William O'Brien, (C) 563-589-4269

5. Janesville WWTP, Janesville, WI
Contact Person - Joe Zakovec, (C) 608-373-3460

XIII. REFERENCES - MEMBRANE COVER

Please list below name of business, address, telephone number, and contact person.

1. Gatlinburg WWTP, Gatlinburg, TN

Contact Person - Dave Phleps, (C) 865-436-4681

2. Danville WWTP, Danville, PA

Contact Person - Jane Graham (C) 570 275-2730

3. Monroe WTF, Monroe, WI

Contact Person - Joe Solawetz (C) 608-214-4612 (E) jsolawetz@cityofmonroe.org

4. Norwich WPCF, Norwich, CT

Contact Person - Larry Sullivan, (C) 860-823-4131 (E) larrysullivan@npumail.com

5. Southern WPCF, OCUA, Bayville, NJ

Contact Person - Diana Rodriguez, P.E, (C) 732-269-4500 ext. 8303 (E) drodriguez@ocua.com



Staff Report

File #: 22-0882

**REQUEST FOR CITY COUNCIL AND
CORONA UTILITY AUTHORITY ACTION**

DATE: 11/16/2022

TO: Honorable Mayor and City Council Members
Honorable President and Board Members

FROM: Utilities Department

SUBJECT:
Professional Services Agreement for Arc Flash Study with Commonwealth Associates.

EXECUTIVE SUMMARY:

This staff report requests the Council to approve a Professional Services Agreement (PSA) with Commonwealth Associates to complete a system-wide Arc Flash analysis and develop a customized electrical safety program for the City of Corona Utilities Department's (UD) facilities. The purpose of the Arc Flash Analysis is to identify known hazards and requirements for labeling, safer work zones, and personal protective equipment (PPE) requirements in compliance with National Fire Protection Association (NFPA) 70E, at all of the UD's existing facilities.

RECOMMENDED ACTION:

That the:

- a. City Council authorize an appropriation of \$92,594 from the Water Utility Fund (570), \$92,594 from the Sewer Utility Fund (572) and \$20,576 from the Reclaimed Water Utility Fund (567) to the Capital Improvement Project No. 76280, titled Arc Flash Study.
- b. City Council award Request for Proposal No. 22-045RH for Arc Flash Study services to Commonwealth Associates, in the amount of \$310,168 and waive any and all minor irregularities in the bidding document as submitted by said bidder.
- c. City Council authorize the City Manager, or his designee, to execute the Professional Services Agreement to Commonwealth Associates in the amount of \$310,168.

- d. City Council authorize the City Manager, or his designee, to negotiate and execute non-substantive extensions, change orders and amendments up to 10% of total contract cost or \$31,016 as authorized by Corona Municipal Code [Section 3.08.070\(I\)](#).
- e. City Council authorize the Purchasing Manager to issue a purchase order to Commonwealth Associates, in the amount of \$310,168
- f. Corona Utility Authority review, ratify, and to the extent necessary, direct the City Council to take the above actions.

BACKGROUND & HISTORY:

When working in areas where an arc flash is possible, it is important to evaluate what the risk is to know how to best protect those in the area. Arc flash ratings are a measure of the amount of potential danger that someone operating an electrical device faces when in the area. A higher rating means more personnel protective equipment and/or activities are required. The recommended Arc Flash study project is a system-wide evaluation and implementation to reduce the arc flash rating (a safety requirement) at all of the UD's Wholesale Distribution Access Tariff (WDAT) locations, also known as Electric Substations, and other electrical equipment in its service area, including Water Treatment Plants, Water Reclamation Facilities, well sites, booster stations, and lift stations. This project will evaluate and reduce the arc flash rating to minimize the danger to operations and maintenance staff.

ANALYSIS:

During the Fiscal Year (FY) 2022 budget process, the City Council approved funds for an Arc Flash study in Capital Improvement Project No. 76280.

Request for Proposals (RFP) 22-045RH was advertised pursuant to Corona Municipal Code (CMC) [Section 3.08.110](#), non-public projects formal bidding procedure requirements on Wednesday, April 13, 2022, in the Sentinel Weekly and other digital platforms.

To select a vendor that best serves the City's service needs, the Purchasing Division conducted the competitive bidding process by means of an RFP, as allowed by CMC [Section 3.08.070\(G\)](#). Staff believes that the RFP conducted for these services is in the City's best interest because of the importance of the need to have special and a high level of expertise to perform an Arc Flash Study and develop a customized safety program. Specifically, the RFP process allows staff to evaluate potential bidders on additional criteria other than their bid amounts, such as their staffing levels, the firm's performance history for similar studies, and their safety history.

The evaluation of the proposals received was based on four essential criteria: 1. Work Plan/Work Organization; 2. Qualifications of Company and Personnel; 3. Approach to Safety Measures; 4. Cost proposal.

A total of 381 vendors currently registered with Corona and 364 external vendors (not registered with Corona) were notified about RFP 22-045RH. RFP 22-045RH was viewed and downloaded by 28 firms. Four proposals were received by the due date of May 18, 2022, and subsequently reviewed by

City Staff. Based on the evaluation criteria stated in the bid documents, these proposals were evaluated by a team of three staff members from different divisions. Commonwealth Associates scored highest.

The summary of proposal scoring and evaluation rankings are presented below:

Rank	Company	City/State
1	Commonwealth Associates, Inc	Jackson, Michigan
2	ACSE	Irvine, California
3	Halco Service Corporation	Los Angeles, California
4	Electric Power Systems International Incorporated	Santa Ana, California

The contractor is required to provide the UD with highly skilled resources to handle the Arc Flash Study and work with a high level of responsiveness and quality service per bid documents and specifications.

Staff recommends that City Council authorize an appropriation of \$92,594 from the Water Utility Fund (570), \$92,594 from the Sewer Utility Fund (572), and \$20,576 from the Reclaimed Water Utility Fund (567) to the Capital Improvement Project No. 76280, titled Arc Flash Study; and award RFP 22-045RH for Arc Flash Study services to Commonwealth Associates, in the amount of \$310,168 for Arch flash study for all UD’s facilities.

FINANCIAL IMPACT:

Partial funding for the recommended action is currently available in the Fiscal Year 2023 Capital Improvement Project No. 76280. UD requests an additional appropriation of \$92,594 from the Water Utility Fund (570), \$92,594 from the Sewer Utility Fund (572), and \$20,576 from the Reclaimed Water Utility Fund (567) to the Capital Improvement Project No. 76280, titled Arc Flash Study. There is sufficient working capital in the respective funds for the recommended actions.

Project Budget

Arc Flash Study	\$310,168
Project administration	\$10,000
Contingency	\$31,016
Total	\$351,184
Available Funds in CIP 76280	\$145,420
Additional Requested Funds	\$205,764

ENVIRONMENTAL ANALYSIS:

This action is categorically exempt pursuant to Section 15301 of the Guidelines for the California Environmental Quality Act (CEQA), which states that operation, repair, maintenance, permitting, leasing, licensing, or minor alteration of existing public or private structures, facilities, mechanical equipment, or topographical features, involving negligible or no expansion of use beyond that

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existing at the time of the CEQA determination, and is therefore exempt from CEQA. This action involves an electrical arc flash study and development of a customized safety program. Therefore, no environmental analysis is required.

PREPARED BY: AFTAB HUSSAIN, MAINTENANCE MANAGER

REVIEWED BY: TOM MOODY, DIRECTOR OF UTILITIES

Attachments:

1. Exhibit 1 - RFP 22-045RH
2. Exhibit 2 - Bid Summary
3. Exhibit 3 - Professional Services Agreement

The successful contractor and all subcontractor(s) under him, shall comply with all applicable Prevailing Wage Laws, which include, but are not limited to the payment of not less than the required prevailing rates to all workers employed by them in the execution of the Agreement, the employment of apprentices, the hours of labor, the payment of overtime, and the debarment of contractors and subcontractors. The successful contractor and all subcontractor(s) under him shall also be responsible for any and all violations and fines imposed on them pursuant to the Prevailing Wage Laws.

Each contractor shall be a licensed contractor pursuant to the Business and Professions Code and shall be licensed in the following appropriate classification(s) of contractor's license(s), for the work proposal upon, and must maintain the license(s) throughout the duration of the Contract: **C-10-Electrical**

The successful contractor(s) must fully comply with all applicable laws, rules and regulations in furnishing or using equipment and/or providing services, including, but not limited to, emissions limits and permitting requirements imposed by the South Coast Air Quality Management District (SCAQMD) and/or California Air Resources Board (CARB). Although the SCAQMD and CARB limits and requirements are more broad, the successful contractor shall specifically be aware of their application to "portable equipment", which definition is considered by SCAQMD and CARB to include any item of equipment with a fuel-powered engine. The successful contractor will be required to indemnify City against any fines or penalties imposed by SCAQMD, CARB, or any other governmental or regulatory agency for violations of applicable laws, rules and/or regulations by the successful proposal, its subcontractors, or others for whom the successful contractor is responsible under its indemnity obligations.

Issuance of this RFP and/or receipt of proposals does not commit City to award a contract.

Signed,

Rich Hogate

Purchasing Specialist Contractor for
City of Corona | Purchasing Division | Finance Department
400 S. Vicentia Ave., Suite 320 | Corona, CA 92882
Phone: 714-620-5404 | Email: Richard.Hogate@CoronaCa.gov
Website: www.coronca.gov



DATE: April 13, 2022

SUBJECT: REQUEST FOR PROPOSALS (RFP) No. 22-045RH

SECTION I

INVITATION

The City of Corona invites proposals from qualified Contractors for:

**CITYWIDE UTILITIES FACILITIES ARC FLASH STUDY
CONSULTING SERVICES**

The Utilities Department (City) wants to qualify a Contractor to provide Citywide Utilities Facilities Arc Flash Study Consulting Services to the City’s Utility facilities. Proposals will be evaluated on the following criteria: Qualifications, Firm History, Project Technical Proposal, Experience, Safety, and In Person / Teams Presentation.

Estimated Contract Term:

The contract term shall be effective on or about July 2022 through June 30, 2023 with (1) optional renewal period.

- Option 1, if exercised, shall be effective July 1, 2023 to June 30, 2024.

Please read this entire RFP package and include all requested information and forms in your proposal. Proposals must be signed by an authorized agent of the company submitting a proposal in order to be considered responsive.

The City will receive electronic Proposals for the Citywide Utilities Facilities Arc Flash Study Consulting Services through the PlanetBids bidding platform **before 10:00 A.M., May 18, 2022**. The City’s electronic bidding system will not allow proposals to be submitted after the due date and time. It is the contractor’s responsibility to allow sufficient time to complete and submit their proposal, including all documentation required by this RFP, prior to the stated deadline. **Electronic submission cannot be completed unless the contractor properly uploads all required documents. Only electronic proposals will be accepted; hard copy proposals will be rejected as nonresponsive and returned unopened without exception.**

Parties interested in obtaining a copy of this RFP No. 22-045RH may do so by registering with PlanetBids as a City of Corona vendor by visiting the PlanetBids Vendor Portal:

<https://www.planetbids.com/portal/portal.cfm?CompanyID=39497>. Registered vendors can download a copy of this RFP No. 22-045RH and supporting documents at no cost and receive addenda and other notifications when issued.

**TENTATIVE RFP SCHEDULE
(SUBJECT TO CHANGE AT CITY'S DISCRETION)**

1. Issue RFP on Planet Bids	April 13, 2022
2. Publish Legal Ad by Sentinel Weekly	April 13, 2022
3. Questions from Contractors Due on PB before	11:00 A.M, April 27, 2022
4. Responses from City Due	May 11, 2022
5. Proposals Due (date and time)	10:00 A.M., May 18, 2022
6. RFP Evaluation Completed	June 15, 2022
7. Contractor Selection	June 15, 2022
8. City Council Award	July 20, 2022
9. Issue City P.O. & Notice to Proceed	August 15, 2022

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Section V	Evaluation and Award
Section VI	RFP Acknowledgement
Section VII	Agreement Sample

APPENDIX

City Facility Locations	Attachment A
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SECTION II

SCOPE OF WORK

A. Background:

There are approximately 63 offsite or remote locations that the awarded Consultant will study during the on-site field analysis portion of the Scope of Work. The sites are listed in “Attachment A” as part of this RFP and incorporated herein by this reference. Attachment A lists the offsite facilities by their name and address.

B. Goal/Purpose:

The City of Corona, Utilities Department is accepting proposals from experienced arc flash analysis contractors/consultants to perform electrical engineering services and analysis for 480v systems at City facilities in a variety of environments.

These services shall include, but are not limited to:

- Short circuit analysis
- Protective device coordination analysis
- Arc flash hazard analysis
- Interrupt rating analysis
- Customized electrical safety program
- Arc flash and shock hazard warning labels
- Create single drawing & formal drawing package
- Equipment is properly rated
- Identify potential hazards
- Breaker rating including trip point
- Labeling and PPE

The purpose of the work to be performed under this contract is to identify electrical arc flash hazards, remove and/or mitigate identified electrical arc flash hazards, to label appropriate electrical equipment, to provide safe work zones, provide recommendations to reduce the hazard risk, identify the appropriate personnel protective equipment (PPE) and provide a customized Electrical Safety Program, all in compliance with the latest National Fire Protection Association (NFPA) 70E.

The City reserve the right to contract with the awarded Consultant to perform additional arc flash analysis and other related services as mutually agreed by the parties.

C. Scope of Work Description:

This scope of work establishes the minimum requirements for providing Citywide Utilities Facilities Arc Flash Study Consulting Services to the City of Corona. The Contractor is required to meet all specifications listed herein, as minimum, and is required to submit a firm fixed cost for all commodities/services. The Contractor shall fully and timely provide all deliverables described herein in strict accordance with the terms, covenants, and conditions of the Contract and all

applicable Federal, State, and local laws, rules, and regulations. The Contractor shall perform all work in accordance with current ANSI/ NETA MTS – 2019 or current - Section 9 for each facility to produce an Arc Flash Risk Assessment and a Shock Risk Assessment. Provide a report for all items surveyed and include photographs of each deficient item. The report shall be in accordance with NFPA 70E - 2021, IEEE 1584 - 2018 for calculations and label information. ANSI Z535.4 for arc flash and shock hazards warning labels. If standards have been updated use most current version. Contractor shall provide all labor, materials, and equipment to complete the Citywide Utilities Facilities Arc Flash Study Consulting Services for the City.

Permissible work hours are 7am to 5pm Monday through Thursday excluding City observed holidays. Any deviations will need to be pre-approved by the City's Representative.

(RFP) No.22-045RH Citywide Utilities Facilities Arc Flash Study Consulting Services:

Task 1 - Field Collection of Data

1. Determine arc flash incident energy levels and flash protection boundary distances for all listed facilities based on the results of the short circuit and coordination studies. Perform the arc flash analysis as per industry standards for arc flash conditions and all modes of operation.
2. All necessary information shall be gathered, and all electrical systems analyzed from the utility connection point to all equipment connections. All field technicians and/or service engineers shall be trained in electrical and arc flash safety and shall utilize their own PPE.
3. Services for each facility shall include but not limited to the following:
 - a. Perform field collection of data
 - The Consultant is required to collect all data on the existing facilities electrical equipment and is NOT to assume that any drawings or documentation exist to aid in the collection or analysis.
 - The Consultant shall verify single line diagrams, if available. If not available, the Consultant shall generate the appropriate detailed and accurate single line diagrams. Discrepancies found in the drawings shall be brought to City's Representative attention as a drawing markup.
4. Single Line Diagrams information shall include but not be limited to:
 - a. Electrical Structures
 - b. Voltages at each point
 - c. Short circuit available at each point
 - d. Horsepower ratings of each motor
 - e. Identify City, Utilities Department panels and equipment with standard name

Task 2 - Arc Flash Analysis

1. Consultant will be responsible to perform the short circuit, coordination, and interrupt rating studies which will proceed the Arc Flash analysis.
2. Consultant will determine the level of incident energy at each switchboard, motor control center (MCC), panel board and other electrical equipment requiring analysis.

3. Consultant shall determine if motor control buckets can be hot swapped and indicate as such on MCC arc flash 70E labels or specify on general use electrical safety labels.
4. OSHA 29 CFR-1910 Subpart S and NFPA 70E require that arc-flash hazard analysis be performed in incremented five-year periods or sooner whenever design implementations occur or circuit power arrangements are changed.
5. Indicate problems discovered while performing the studies. It must include the following:
 - a. Recommendations to mitigate arc flash hazards above Category 2
 - b. Identification of circuit protective devices with insufficient interrupt ratings
 - c. Identification of circuits not properly coordinated
 - d. One-Line drawings of all equipment surveyed
 - e. Table of calculated arc flash data
 - f. Coordination curves
 - g. And any other pertinent data
6. Per IEEE 1584, "Equipment below 208/240V need not be considered unless it involves at least one 125kVA or larger low-impedance transformer in its immediate power supply." Arc Flash calculations shall not be done on systems below 208/240V down stream of 125kVA and smaller transformers.
7. Arc Flash hazard labels for equipment needed are a product of the analysis. Labels provide qualified workers the information to determine the personal protective equipment (PPE) required to work on a given piece of equipment, or when the hazard level exceeds a safe work condition. Contractor shall submit a sample warning label to City's Representative within 20 calendar days of Notice of Award for approval.
8. Provide labor and materials to:
 - a. Affix labels to all 70E Rated Category 1 and above equipment
 - b. Labels shall at a minimum indicate the following:
 1. Arc Flash Boundary
 2. Restricted Approach Distance
 3. Limited Approach Distance
 4. Glove Class
 5. Incident Energy
 6. PPE Category
 7. Calorie Rating
 8. Nominal Voltage
 9. Upstream over-current protective device
 10. Device name and assessment date
 - c. Labels shall be required for all electrical equipment per referenced codes.
 - d. Arc Flash labels on Motor Control Centers shall indicate if MCC buckets can be hot swapped.

Deliverables

1. After completion of the analysis, provide the following:
 - a. Submit three initial draft copies of each report to City's Representative for review. The Consultant shall incorporate City's review comments and submit three copies of the final draft reports to City's representative within 30 days following completion of facility testing for final review.
 - b. The Contractor shall submit to the City's Representative separate soft and hard copy of the report for each facility which shall contain, at a minimum, the following:
 - An introduction describing the background, objectives and the scope of the study
 - Basis of analysis
 - An executive summary with clearly written conclusions and recommendations. The recommendations will refer to reducing the arc flash hazard category to two or below and any other ways to enhance worker safety
 - Coordination plots and protective device curves
 - Single line diagrams
 - In tabulation format list device, device name, bus name, bus kV, protective, bus bolted fault, protective device arc fault, trip/delay time, duration of arc, arc type, arc flash boundary, working distance, required limited and restricted approach, incident energy, cal/cm², conduit sizes, switchgear data, and required PPE
 - Hazard/Risk Categories for the calculated incident energy levels
 - The flash protection boundary of the equipment involved/evaluated
2. A complete report for all the facilities in both electronic flash drive and in bound hard copy document form shall be submitted to the City's Representative.

Task 3 - Customized Electrical Safety Program

Consultant is to develop a written Electrical Safety Program that will be compliant with the latest NFPA 70E publication. The Electrical Safety Program shall incorporate the City's facilities referenced in Attachment A. The Electrical Safety Program should include the necessary language to implement but not be limited to the following elements:

1. Maintenance
 - a. Document the maintenance conditions of the equipment and its components and/or parts
2. Awareness and Self-Discipline
 - a. Document how employees must follow the policies and effectively implement the new safety procedures
3. Electrical Safety Program Controls
 - a. Document how the Electrical Safety Program shall identify the controls from which it is measured and monitored
 - b. Document which metrics could be used
4. General Risk Assessment
 - a. The Electrical Safety Program should identify the steps that employees must take where the risk of injury from electrical hazards are unacceptable

5. Job Briefing
 - a. Specify how the employee shall perform job briefing when starting each new project. The briefing information to include the potential hazards associated with the equipment installation, required PPE and special precautions working in the vicinity of electrical installations.
6. Electrical Safety Auditing
 - a. Document how the Electrical Safety Program shall be audited to verify that the procedures and principles within the program are in compliance with NPFA 70E.
 - b. Document how field work shall be audited to verify the requirements within the safety program are being followed.
7. Training Requirements
 - a. Evaluation of current City Program
 - b. Specify how often employees shall be trained to identify and understand the relationship between electrical hazards and the possibility of injury
 - c. State the types of training that will be required
 - Classroom Arc Flash training
 - Emergency Response Training (contact release, first aid, etc.)
 - Qualification for electrical work
 - Training verification and documentation by the employer
8. Clarification on the difference between unqualified and qualified personnel
9. Outside contractor obligations in relation to the City's, Utilities Department Electrical Safety Program
10. Document alerting techniques and methods for the notification of approach and flash boundaries
11. Documentation for the use of personal protective equipment (PPE) by qualified employees.
12. Documentation for energized electrical work permit policies and procedures
13. Document protocols for de-energizing equipment and/or system
14. Electrical safety requirements for any special equipment in use at City facilities
15. Any other items that will be needed to be in compliance with the latest codes and Cal OSHA regulations

Performance Measures for Citywide Utilities Facilities Arc Flash Study Services.

Contractor shall respond with [EXPECTED OUT OF RESPONSE TIME TO CITY STATED HERE]..

Contractor shall begin work [EXPECTED START WORK TIMES STATED HERE]..

Mandatory Requirements

- All Contractors and their subcontractors shall meet all safety requirements of current codes and standards.
- Contractors shall require all employees and subcontractors to wear appropriate PPE while performing work at city facilities.
- Contractors shall provide a list of all owned testing equipment with this proposal

- All testing equipment needs to be calibrated and Contractors shall provide annual equipment testing results from third party at the beginning of contract and in June at the end of the fiscal year.

D. Minimum Qualifications

Proposer must meet these minimum qualifications at the time their proposal is submitted to the City:

1. Have a valid California Contractor's license with a designation of C-10 Electrical
2. Have 5 years of relevant experience performing Citywide Utilities Facilities Arc Flash Study Consulting Services or must have performed Arc Flash Studies for at least 3 other municipalities.

SECTION III

RFP INSTRUCTIONS

A. Pre-Proposal Meeting

Not Applicable

B. Examination of Proposal Documents

By submitting a proposal, Contractors represent that they have thoroughly examined and become familiar with the work required under this RFP and that they are capable of performing quality work to achieve the City's objectives.

Before submitting proposals, Contractors must fully inform themselves of the conditions, requirements and specifications of the work or materials to be furnished. Failure to do so will be at Contractors' own risk and they cannot secure relief on the plea of error.

C. Addenda

Substantive City changes to the requirements will be made by written addendum to this RFP. Any written addenda issued pertaining to this RFP shall be incorporated into the terms and conditions of any resulting Agreement. Copies of all Addenda will be furnished through the City's electronic bidding system, PlanetBids, no later than 72 hours prior to the proposal Due Date and Time. Contractors shall access any and all Addenda from the electronic bidding system's Addenda & Email tab for this RFP. The City shall not be bound to any modifications to or deviations from the requirements set forth in this RFP as the result of oral instruction.

D. Informed Contractors

Before submitting proposals, Contractors must fully inform themselves of the conditions, requirements and specifications of the work or materials to be furnished. Failure to do so will be at Contractors' own risk and they cannot secure relief on the plea of error.

E. Clarifications

1. Examination of Documents

Should a Contractor require clarifications of this RFP, the Contractor shall notify the City in writing in accordance with Section E.2 below. Should it be found that the point in question is substantive and is not clearly and fully set forth, the City shall issue a written addendum clarifying the matter.

2. Submitting Requests

Contractors shall submit all questions, clarifications or comments through the City's PlanetBids electronic bidding system:

<https://www.planetbids.com/portal/portal.cfm?CompanyID=39497> utilizing the Questions & Answers tab. Contractor questions must be submitted **before 11:00 A.M, April 27, 2022.**

3. City Responses

- a. Responses from the City will be communicated in writing to all known recipients of this RFP, by way of Addendum in accordance with Section C above.
- b. It is the responsibility of Contractors to make sure they have received all addenda prior to submitting their proposal. The Tentative Schedule may change at any time. Any and all changes to the Tentative Schedule will be made by way of addendum. If an Addendum is issued less than 72 hours before the Proposal Due Date and Time, the Proposal Due date will be extended.

F. Submission of Proposals

1. Date and Time

All proposals shall be submitted **before 10:00 A.M., May 18, 2022.**

2. Electronic Submission

Proposals shall be submitted electronically using the City's PlanetBids Vendor Portal. Please note the City's electronic bidding system will not allow proposals to be submitted after the due date and time. It is the contractor's responsibility to allow sufficient time to complete and submit their proposal, including all documentation required by this RFP, prior to the stated deadline. **Electronic submission cannot be completed unless the contractor properly uploads all required documents. Only electronic proposals will be accepted; hard copy proposals will be rejected as nonresponsive and returned unopened without exception.**

3. Acceptance of Proposals

- a. The City reserves the right to accept or reject any and all proposals, or any item or part thereof, or to waive any informalities or irregularities in proposals.
- b. The City reserves the right to withdraw this RFP at any time without prior notice, and the City makes no representations that any contract will be awarded to any consultant responding to this RFP.
- c. The City reserves the right to postpone proposal opening for its own convenience.

G. Proposal Withdrawal

Electronic proposals may be withdrawn by consultant prior to the date and time set forth in Section E. 1 above. After that time, contractors may not withdraw their proposals for a period of ninety (90) days from the Proposal Submittal Deadline. At no time may the successful contractor(s) withdraw their proposal(s).

H. Pre-Contractual Expenses

Pre-contractual expenses are defined as expenses incurred by the Contractor in:

- a. preparing its proposal in response to this RFP;
- b. submitting the proposal to City;
- c. negotiating with City any matter related to the proposal; or
- d. any other expenses incurred by the Contractor prior to date of award, if any, of the Agreement.

The City shall not, in any event, be liable for any pre-contractual expenses incurred by Contractor in the preparation of its proposal. Contractor shall not include any such expenses as part of its proposal.

I. Contract Award

Issuance of this RFP and receipt of proposals does not commit the City to award an Agreement. The City reserves the right to postpone proposal opening for its own convenience, to accept or reject any or all proposals received in response to this RFP, to negotiate with other than the selected Contractor(s) should negotiations with the selected Contractor(s) be terminated, to negotiate with more than one Contractor simultaneously, or to cancel all or part of this RFP.

J. Acceptance of Order

The successful Contractor(s) will be required to accept a Purchase Order and execute a written Agreement (see Section VII, Form of Agreement) in accordance with and including as a part thereof the published notice of Request for Proposals and this Request for Proposals, including all requirements, conditions and specifications contained herein, with no exceptions other than those specifically listed in the written purchase order and/or Agreement.

K. Vendor Performance

It is the intent of the City to create a long-term working partnership with the Contractor. The City's representative will be completing a Vendor Performance Evaluation Form on a periodic basis. An example of this type of form can be reviewed in Section VI. This type of form will be the basis for conversations between the vendor and the City around contract performance metrics.

L. City of Corona Business License

The successful contractor(s) and any subcontractors are required to obtain a City of Corona Business License prior to award of Contract, and to maintain the license for the entire term of the Agreement. The Business License is not a prerequisite for submission of a proposal. The Business License is not a prerequisite for submission of a proposal. Inquiries regarding the City Business License may be answered by calling 951-736-2275 or visiting the website: <https://corona.hdlgov.com/Home/Index/BusinessLicense>

M. Prevailing Wage

Refer to Section VII, Form of Agreement, Section 3.3.5 for Prevailing Wage requirements.

N. Insurance Requirements

Within ten (10) consecutive calendar days after the notice of award, the Contractor to whom a contract is awarded from this request for proposals shall furnish the City with the certificates of insurance evidencing coverage as specified in Section VII, Form of Agreement, Section 3.2.10 Insurance, et seq. and naming the City of Corona, its directors, officials, employees, volunteers and agents as additional insureds by written endorsement. Failure to do so may, in the sole discretion of the City, result in the forfeiture of the Contract Award.

Contractors are encouraged to have their insurance provider(s) review the Insurance Requirements in Section VII, Form of Agreement, Subsection 3.2.10 et seq. prior to submission of a Proposal to ensure the minimum coverage limits, endorsements and other requirements can be met.

Additionally, the City has provided a summary of the insurance requirements Section VI with a document titled “Insurance Requirements Check Sheet”. This document will need to be submitted with the proposal.

O. Special Provisions for Services

1. Accessibility. Contractor shall fully inform himself regarding any peculiarities and limitations of the spaces available for the performance of work under this contract. Contractor shall exercise due and particular caution to determine that all parts of his work are made quickly and easily accessible.
2. Authority of the City of Corona. Subject to the power and authority of the City as provided by law in this contract, the City shall in all cases determine the quantity, quality, and acceptability of the work, materials and supplies for which payment is to be made under this contract. The City shall decide questions that may arise relative to the fulfillment of the contract or the obligations of the contractor hereunder.
3. Performance Bond and Payment (Labor and Materials) Bond Requirements. Within 10 days from date of the Notice of Award, the Contractor to whom a Contract is awarded shall deliver to the City the Performance and Payment (Labor and Materials) Bonds in the form supplied by the City and included in these RFP Documents. The surety supplying the bond must be an admitted surety insurer, as defined in Code of Civil Procedure Section 995.120, authorized to do business as such in the State of California and satisfactory to the City. The Performance Bond and the Payment (Labor and Materials) Bond shall be for one hundred percent (100%) of the Total Proposal Price. The City does not require original, embossed corporate seals on any bonds. However, the City reserves the right at any time to demand an original bond with an embossed corporate seal, and Contractor shall supply such bond within seven (7) calendar days of any such request.
4. Changes in Work. The City may, at any time work is in progress, by written order and without notice to the sureties, make alterations in the terms of work as shown in the specifications, require the performance of extra work, decrease the quantity of work, or make such other changes as the City may find necessary or desirable. The contractor shall not claim forfeiture of contract by reasons of such changes by the City. Changes

in work and the amount of compensation to be paid to the contractor for any extra work as so ordered shall be determined in accordance with the unit prices quoted.

5. Clean-up. During performance and upon completion of work on this project, contractor will remove all unused equipment and instruments of service, all excess or unsuitable material, trash, rubbish and debris, and legally dispose of same, unless otherwise directed by these specifications. Contractor shall leave entire area in a neat, clean and acceptable condition as approved by the City.
6. Compliance With OSHA. Contractor agrees that all item(s) offered comply with all applicable Federal and the State Occupational Safety and Health Act, laws, standards and regulations, and that Contractor will indemnify and hold the City harmless for any failure to so conform.
7. Contract Incorporation. This contract embodies the entire contract between the City and the Contractor. The parties shall not be bound by or be liable for any statement, representation, promise, inducement or understanding of any kind or nature not set forth herein. No changes, amendments, or modifications of any of the terms or conditions of the contract shall be valid unless reduced to writing and signed by both parties. The complete contract shall include the entire contents of the RFP solicitation, all addenda, all of Contractor's successful submittal, supplemental agreements, change orders, performance bond(s), and any and all written agreements which alter, amend or extend the contract.
8. Cooperation Between Contractors. The City reserves the right to contract for and perform other or additional work on or near the work covered by these specifications. When separate contracts are let within the limits of any one project, each contractor shall conduct his work so as not to interfere with or hinder the progress or completion of the work being performed by other contractors. Contractors working on the same project shall cooperate with each other as directed. Each contractor involved shall assume all liability, financial or otherwise, in connection with his contract and shall protect and save harmless the City from any and all damages or claims that may arise because of inconvenience, delays, or loss experienced by him because of the presence and operations of other contractors working within the limits of the same project.
9. Coordination With Agencies. The contractor shall coordinate his activities with the proper regulatory agencies and have their representative on site at the proper times.
10. Damage. The contractor shall be held responsible for any breakage, loss of the City's equipment or supplies through negligence of the contractor or his employee while working on the City's premises. The contractor shall be responsible for restoring or replacing any equipment, facilities, etc., so damaged. Contractor shall immediately report to the City any damages to the premises resulting from services performed under this contract. Failure or refusal to restore or replace such damaged property will be a breach of this contract.
11. Examination of Specification and Site. Contractor is expected to carefully examine the site of the proposed work and all RFP specifications, documents, and forms. Contractor

shall satisfy himself as to the character, quality, and quantities of work to be performed, materials to be furnished and the requirements of the proposed specifications.

12. Independent Contractor. In accepting this contract, Contractor covenants that it presently has no interest, and shall not acquire any interest, direct or indirect, financial or otherwise, which would conflict in any manner or degree with the performance of the services hereunder. Contractor further covenants that, in the performance of this contract, no subcontractor or person having such an interest shall be employed. Contractor certifies that to the best of his knowledge, no one who has or will have any financial interest under this contract is an officer or employee of City. It is expressly agreed by Contractor that in the performance of the services required under this contract, Contractor, and any of its subcontractors or employees, shall at times be considered independent contractors and not agents of City.

13. Measurements. It is the responsibility of the Contractor to make all measurements to determine his proposal price. The City will not be responsible for determining the quantities of materials necessary to complete the work specified.

14. Permits. Unless otherwise specified herein, Contractor shall at his expense, obtain all permits and licenses and pay all charges and fees necessary for the performance of the contract, and shall give all public notices necessary for the lawful performance of the contract.

Contractor shall pay all taxes, levies, duties and assessments of every nature due in connection with any work under the contract, shall make any and all payroll deductions required by law, and shall indemnify and hold harmless the City from any liability on account of any and all such taxes, levies, duties, assessments and deductions.

15. Protection of Public. Adequate warning devices, barricades, guards, flagmen or other necessary precautions shall be taken by the contractor to give advised and reasonable protection, safety and warning to persons and vehicular traffic concerned in the area.

16. Rejection of Work. Contractor agrees that the City has the right to make all final determinations as to whether the work has been satisfactorily completed.

17. Unknown Obstructions. Should any unknown obstruction be encountered during the course of this contract, Contractor immediately bring it to the attention of the City.

Contractor shall take adequate precautions to protect existing sidewalks, curbs, pavement, inlet/outlet piping, overflow/bypass structures, fencing, access roads, utilities and other adjoining property and structures, etc., and avoid damage thereto. Contractor shall immediately replace or repair any damage caused by the Work operations.

Contractor shall take care to prevent disturbing or covering any survey markers, monuments or other devices marking property boundaries or corners. If such markers are disturbed by accident, they shall be replaced by an approved civil engineer or land surveyor, at no cost to the City.

18. Subcontractors.

- a. Contractor agrees to bind every subcontractor to the terms of the Contract Documents as far as such terms are applicable to subcontractor's portion of the Work. Contractor shall be as fully responsible to the City for the acts and omissions of its subcontractors and of persons either directly or indirectly employed by its subcontractors, as Contractor is for acts and omissions of persons directly employed by Contractor. Nothing contained in these Contract Documents shall create any contractual relationship between any subcontractor and the City.
- b. City reserves the right to approve all subcontractors. City's approval of any subcontractor under this Contract shall not in any way relieve Contractor of its obligations in the Contract Documents.
- c. Prior to substituting any subcontractor listed in the Proposal Forms, Contractor must comply with the requirements of the Subletting and Subcontracting Fair Practices Act pursuant to California Public Contract Code section 4100 et seq.

19. SB854 Notice Requirements.

This contract is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

Pursuant to SB 854, which amended the Prevailing Wage Laws, this Contract is subject to compliance monitoring and enforcement by the DIR. Beginning March 1, 2015, with very limited exceptions no contractor or subcontractor may be listed on a proposal for this Contract unless registered with the DIR pursuant to Labor Code section 1725.5. Beginning April 1, 2015, no contractor or subcontractor may be awarded this Contract unless registered with the DIR pursuant to Labor Code section 1725.5.

The DIR registration number for each contractor and subcontractor must be identified on the proposal - failure to identify this number could result in the proposal being rejected as non-responsive. It is each contractor's responsibility to ensure that they have fully complied with SB 854. The City will report all necessary contracts to the DIR as required by the Prevailing Wage Laws.

P. Safety Requirements/OSHA Violations

Safety at the Project site during performance of the work is of paramount concern to the City. Accordingly, Contractors must not have committed any serious violations within the last two (2) years or any willful violations within the last five (5) years of federal or state OSHA regulations.

Contractors must identify the number of OSHA violations on the CONTRACTOR'S INDUSTRIAL SAFETY RECORD form. Any serious or willful violation falling within the timeframes noted above may render a proposal as non-responsive. We strongly encourage full disclosure, since failure to identify all violations on the CONTRACTOR'S INDUSTRIAL SAFETY RECORD form may result in rejection of the proposal as non-responsive or the Contractor non-responsible following a hearing.

A citation properly appealed through OSHA is not considered to be a violation until the matter is closed and considered final by OSHA. The City still expects this information to be disclosed by the Contractor with an explanation and documentation showing that the matter is properly under appeal with OSHA and not considered closed or final. Failure to be forthcoming with this information may result in rejection of the proposal as non-responsive. Notwithstanding the preceding, the City may waive this criterion in its sole and absolute discretion.

Q. Laws Governing Contract

This contract shall be in accordance with the laws of the state of California. The parties stipulate that this contract was entered into in the county of Riverside, in state of California. The parties further stipulate that the county of Riverside, California, is the only appropriate forum for any litigation resulting from a breach hereof or any questions risen here from.

R. Primary Contractor

No person, organization, or corporation is allowed to make, submit, or be interested in more than one Proposal unless in a sub-contractual relationship with respect to the Proposals. A person, organization or corporation submitting sub-proposals or quoting prices on materials to Contractors is prevented from submitting a Proposal to the City as a primary Contractor.

S. Public Records

Responses (proposals) to this Request for Proposal (RFP) and the documents constituting any contract entered into thereafter become the exclusive property of the City of Corona and shall be subject to the California Public Records Act (Government Code Section 6250 et seq.). The City of Corona's use and disclosure of its records are governed by this Act.

Those elements in each proposal which Contractor considers to be trade secrets, as that term is defined in Civil Code Section 3426.1(d), or otherwise exempt by law from disclosure, should be prominently marked as "TRADE SECRET", "CONFIDENTIAL", or "PROPRIETARY" by Contractor. The City of Corona will use its best efforts to inform Contractor of any request for disclosure of any such document. **The City of Corona, shall not in any way, be liable or responsible for the disclosure of any such records including, without limitation; those so marked if disclosure is deemed to be required by law or by an order of the Court.**

In the event of litigation concerning disclosure of information the Contractor considers exempt from disclosure, the City of Corona will act as a stakeholder only, holding the information until otherwise ordered by a court or other legal process. If the City of Corona is required to defend an action arising out of a Public Records Act request for any of the contents of a Contractor's proposal marked "Confidential", "Proprietary", or "Trade Secret", Contractor shall defend and indemnify the City of Corona from all liability, damages, costs, and expense, including attorneys' fees, in any action or proceeding arising under the Public Records Act.

To insure confidentiality, Contractors are instructed to enclose all "Confidential, "Proprietary," or "Trade Secret" data in separate sealed envelopes, which are then included with the proposal documents. Because the proposal documents are available for review by any person after award of a contract resulting from an RFP, the City of Corona shall not in any way be held responsible

for disclosure of any “Confidential,” Proprietary,” or “Trade Secret” documents that are not contained in envelopes and prominently marked.

T. Participating Government Agencies

Contractors may extend the pricing, terms and conditions of (RFP) No.22-045RH Citywide Utilities Facilities Arc Flash Study Consulting Services to other government agencies. Participating agencies may enter into a contract with the Contractor for the purchase of the same commodities based on the terms, conditions and prices, offered by the Contractor to the City of Corona for this RFP. Any additional terms and conditions not established (RFP) No.22-045RH Citywide Utilities Facilities Arc Flash Study Consulting Services will need to be negotiated directly between the Contractor and the participating agency

U. Labor Compliance

1. Certified Payroll Records:

In accordance with California Prevailing Wage Laws, Consultant shall keep accurate payroll records. The payroll records shall show the name, address, social security number, work classification, straight time and overtime hours worked, and actual wages paid to each applicable worker employed by consultant in connection with the work. The payroll records shall be certified and made available for inspection at all reasonable hours in accordance with the California Prevailing Wage Laws.

The certified payroll records shall be on forms provided by the Division of Labor Standards Enforcement (DLSE) of the DIR or shall contain the same information as the forms provided by the DSLE. The record of wages paid shall be certified by the Consultant and submitted with each progress payment request. **Consultant shall redact the street address and all but the last four digits in the employee’s social security number prior to submitting the certified payroll records to the City.**

2. Apprentices:

Consultant shall comply with the provisions of Section 1777. 5 of the California Labor Code with respect to the employment of properly registered apprentices upon public works when Consultant employs workmen in an apprenticeable craft or trade. The primary responsibility for compliance with said section for all apprenticeable occupations shall be with Consultant.

Within 10 days of award or no later than receipt of the Notice to Proceed, Consultant shall submit a copy of the completed Division of Apprenticeship Standards Public Works Contract Award – DAS 140 form to the City. Consultant shall submit copies of completed Division of Apprenticeship Standards Requests for Dispatch of an Apprentice – DAS 142 forms with the progress payment request immediately following submission to the appropriate Apprenticeship Committee in the craft or trade of the public work.

SECTION IV

PROPOSAL CONTENT

A. Presentation

Proposals should not include any unnecessarily elaborate or promotional material. Information should be presented in the order in which it is requested. Lengthy narrative is discouraged, and presentations should be brief and concise

1. **Cover Letter:** Proposals shall contain the following information in a cover letter:
 - a. identification of Contractor, including name, address and telephone;
 - b. proposed working relationship between Contractor and subcontractors, if applicable;
 - c. acknowledgment of receipt of all RFP addenda, if any;
 - d. name, title, address, telephone number and email address of contact person during period of proposal evaluation;
 - e. a statement to the effect that the proposal shall remain valid for a period of not less than 90 days from the date of submittal; and
 - f. signature of a person authorized to bind Contractor to the terms of the proposal.

Following the cover letter, proposals should address the following items in turn:

2. **Technical Proposal (Project):**
 - a. **Project Approach:**
 - i. Describe how your proposed approach and methodology addresses the City's needs as expressed in the RFP.
 - b. **Work Plan:** This section must contain sufficient detail to convey to members of the evaluation team your firm's knowledge of the subjects and skills necessary to successfully complete the project.
 - i. Describe your plan for accomplishing the tasks described in the Scope of Work.
 - ii. Describe personnel working on the project, their tasks, and their time commitments.
 - iii. Describe any enhancements or procedural or technical innovations that would further the purpose and outcomes of this RFP.
 - c. **Project Schedule:**
 - i. Describe when various elements of work would be completed and when deliverables would be provided after work begins.
 - d. **Deliverables:**
 - i. Describe fully any deliverables that will be due under the contract, based on the Scope of Work.

3. Experience

- a. Completed Contractor Information Form (attached)
- b. Completed Contractor Experience Form (attached)
- c. Disclosures:
 - i. Contractor must include in his proposal a complete disclosure of any alleged significant prior or ongoing contract failures, any civil or criminal litigation or investigation pending which involves the Contractor or in which the Contractor has been judged guilty or liable.
- d. Team Structure:
 - i. Describe your firm's organizational chart, identify who will have overall responsibility for the work, and include the lines of authority between team members up to this senior level.
- e. Sample Work (if applicable):
 - i. Describe samples of work from other, similar projects that demonstrate your firm's capability to accomplish the work describe in this RFP.
 - ii. **The Training Requirements that are later in the document I would add here. The more that I thought about it seemed more like a Proposer/Contractor requirement for technical staff. If it is intended to be a part of the Safety program it would still be a good requirement for the Proposer's Staff.**

4. Safety:

- a. Completed Industrial Safety Record Form (attached)
- b. Describe the safety measures you plan to put in place to assure the City that all applicable OSHA regulations will be adhered to with the inclusion of an Injury and Illness Prevention Program.

5. Cost Proposal

- a. Completed Price Form (attached)

Technical Proposal (Company's Experience)

a. Qualifications, Related Experience and References

This section of the proposal should establish the ability of contractor to satisfactorily perform the required work by reasons of: experience in performing work of a similar nature; demonstrated competence in the services to be provided; educational qualifications; strength and stability of the firm; staffing capability; work load; record of meeting schedules on similar projects; and supportive client references. Contractor shall:

- (1) provide a brief profile of the firm, including the types of services offered; the year founded; form of the organization (corporation, partnership, sole proprietorship); number, size and location of offices; number of employees;
- (2) provide a general description of the firm's financial condition; identify any conditions (e.g., bankruptcy, pending litigation, planned office closures, impending merger) that may impede contractor's ability to complete the project;
- (3) describe the firm's experience in performing work of a similar nature to that solicited in this RFP, and highlight the participation in such work by the key personnel proposed for assignment to this project;
- (4) identify affiliates by company name, address, contact person, telephone number and project function and describe financial institution's experience working with each affiliate; and
- (5) provide, at a minimum, three references from the projects cited as related experience; reference shall furnish the name, title, address and telephone number of the person(s) at the client organization who is most knowledgeable about the work performed. Contractor may also supply references from other work not cited in this section as related experience.

b. Proposed Staffing and Project Organization

This section of the proposal should establish the qualifications of the proposed project staff.

Contractor shall:

- (1) provide education, experience and applicable professional credentials of proposed project staff;
- (2) furnish brief resumes (not more than two [2] pages each) for the proposed Project Manager and other key personnel;
- (3) include a project organization chart which clearly delineates communication/reporting relationships among the project staff; and

c. Work Plan

Contractor shall provide a narrative which addresses the Scope of Work and shows contractor's understanding of the City's needs and requirements.

Contractor shall:

- (1) describe the approach to completing the tasks specified in the Scope of Work;
- (2) outline sequentially the activities that would be undertaken in completing the tasks and specify who would perform them; and

Contractor may also propose enhancement or procedural or technical innovations to the Scope of Work which do not materially deviate from the objectives or required content of the project.

B. Exceptions/Deviations

State any exceptions to or deviations from the requirements of this RFP on the Price Form where indicated. Contractors are cautioned that exceptions to or deviations from RFP requirements may cause their proposal to be rejected as non-responsive.

C. Appendices

Information considered by Contractor to be pertinent to this RFP and which has not been specifically solicited in any of the aforementioned sections may be placed in a separate appendix section. Contractors are cautioned, however, that this does not constitute an invitation to submit large amounts of extraneous materials; appendices should be relevant and brief.

D. Licensing and Certification Requirements

By submitting a proposal, Contractor warrants that any and all licenses and/or certifications required by law, statute, code or ordinance in performing under the scope and specifications of this RFP are currently held by Contractor and are valid and in full force and effect. Copies or legitimate proof of such licensure and/or certification shall be included in Contractor's response. Proposals lacking copies and/or proof of said licenses and/or certifications may be deemed non-responsive and may be rejected.

E. Fee Proposal

Contractor shall include a schedule of fees for each line of service included in Contractor's proposal and complete and sign the Price Form in Section C. below in its entirety. **(Fee Proposal must be submitted in a sealed envelope separate from proposal documents and marked "Price Form")**.

All prices shall be quoted F.O.B. destination, Corona, California. All shipping, handling and freight charges must be shown separately on the Price Form.

F. Ownership of Contract Documents

All Contract Documents furnished by the City are City property. They are not to be used by Contractor or any Subcontractor on other work nor shall Contractor claim any right to such documents. With exception of one complete set of Contract Documents, all documents shall be returned to the City on request at completion of the Work.

G. Prohibited Interests

No City official or representative who is authorized in such capacity and on behalf of the City to negotiate, supervise, make, accept, or approve, or to take part in negotiating, supervising, making, accepting or approving any engineering, inspection, construction or material supply contract or any subcontract in connection with construction of the Project, shall be or become directly or indirectly interested financially in the Contract.

H. Proposal Checklist

- Cover Letter
- Technical Proposal
- Acceptance of Terms
- Contractor's Price Form
- Non-Collusion Declaration
- Acknowledgment of the Terms and Conditions of the Agreement
- Insurance Requirements Check Sheet
- Contractor Information Form
- Contractor Experience Form
- Vendor Performance Evaluation Form Acknowledgement
- Industrial Safety Record Form
- Price Form
- Contractor's Experience Statement
- Statement of Past Disqualifications
- Workers' Compensation Certification

MODIFICATIONS OF PROPOSALS

Each Contractor shall submit its Proposal in strict conformity with the requirements of the Contract Documents. Unauthorized additions, modifications, revisions, conditions, limitations, exclusions or provisions attached to a Proposal may render it non-responsive and may cause its rejection. Proposals shall neither delete, modify, nor supplement the printed matter on the Proposal Forms, nor make substitutions thereon. Oral, telephonic and electronic modifications will not be considered.

SECTION V

EVALUATION AND AWARD

The City is soliciting Contractors who have established knowledge and expertise in all aspects of the services requested in this RFP.

A. Evaluation Criteria

The following weighting and points will be assigned to the Proposal for evaluation purposes:

- | | |
|--|----------------|
| 1. Work Plan/Work Organization - 25 points | Maximum Points |
| Project Approach | 7 |
| Work Plan | 8 |
| Project Schedule | 7 |
| Deliverables | 3 |
| 2. Qualifications of Company and Personnel (Experience) - 25 points | |
| Contractor Information Form | 4 |
| Contractor Experience Form | 9 |
| Disclosures | 7 |
| Team Structure | 3 |
| Sample Work (if applicable) | 2 |
| 3. Approach to Safety Measures - 25 points | |
| Industrial Safety Record Form | 21 |
| Injury and Illness Prevention Program | 4 |
| 4. Cost Proposal - 25 points | |
| The City reserves the right to negotiate with each Contractor a Best and Final Offer | |

The City reserves the right to negotiate with each Contractor a Best and Final Offer

Contractor must include in his proposal a complete disclosure of any alleged significant prior or ongoing contract failures, any civil or criminal litigation or investigation pending which involves the Contractor or in which the Contractor has been judged guilty or liable. Failure to comply with the terms of this provision will disqualify any Proposals. The City reserves the right to reject any Proposals based upon the Contractor's prior history with the City or with any other party, which documents, without limitation, unsatisfactory performance, adversarial or contentious demeanor, significant failure(s) to meet contract milestones or other contractual failures.

B. Evaluation Procedure

All proposals received as specified will be evaluated by City staff in accordance with the above criteria. During the evaluation period, the City may do any or all of the following:

1. generate a “short list” and conduct interviews with the top candidates;
2. conduct on-site visits and/or tours of the candidates’ places of business;
3. conduct negotiations with the most qualified candidate(s).

Contractors should be aware, however, that award may be made without Contractor visits, interviews, or further discussions or negotiations.

C. Award

Depending on the dollar amounts of the proposals received, City staff will either select Contractor(s) best meeting the above-specified criteria or submit a recommendation to City Council for consideration and selection, the proposal(s) evaluated by staff to be the most qualified.

The City anticipates making final selections and awards on or about June 15, 2022.

In addition, negotiations may or may not be conducted with Contractors; therefore, the proposal submitted should contain your most favorable terms and conditions, since the selection and award may be made without discussion with any Contractor.

SECTION VI
RFP ACKNOWLEDGEMENT

REQUEST FOR PROPOSALS: RFP No. 22-045RH

DESCRIPTION OF RFP: Citywide Utilities Facilities Arc Flash Study Consulting Services

CONTRACTOR'S NAME/ADDRESS:

NAME/TELEPHONE NO. OF
AUTHORIZED REPRESENTATIVE

Please provide detailed Firm Fixed Price cost information in the spaces provided below, and any other incidental or additional costs required to complete the scope of the project requirements.

All quantities below are estimates for the purposes of comparison. Estimated quantities are no guarantee of actual amounts.

Extended price shall include all equipment, materials, supplies, labor and ancillary costs required to complete the Project.

Price Sheets for Citywide Utilities Facilities Arc Flash Study Consulting Services:

[SAMPLE TASK STATEMENT HERE]

[PRICING STRUCTURE TEMPLATE PLACED HERE FOR CONTRACTORS TO COMPLETE]

Please check your calculations before submitting your proposal; the City will not be responsible for Contractor miscalculations.

In the event that Contractor intends to propose zero-dollar value for any item shown in the RFP/Price Form, Contractor shall enter "zero" or "0" in the space provided for price or cost. With the exception of "Reason(s) for No Proposal", all spaces in the RFP/Price Form shall be filled in by Contractors. City reserves the right to reject as non-responsive any or all proposals containing blank spaces.

Contractor shall complete the following required information:

Contractor’s Acknowledgement of His Understanding of the Terms and Conditions.

Signature below verifies that Contractor has read, understands, and agrees to the conditions contained herein and on all of the attachments and agenda.

Are there any other additional or incidental costs which will be required by your firm in order to meet the requirements of the Technical Specifications? Yes / No. (circle one). If you answered “Yes”, please provide detail of said additional costs: _____

Please indicate any exceptions to or deviations from the RFP Requirements here.

Have you included in your proposal all informational items and forms as requested? Yes / No (circle one). If you answered “No”, please explain: _____

Have you been or are you on any federal list of debarred or suspended Contractors?
Yes / No (circle one)

This offer shall remain firm for **ninety (90)** days from RFP close date.

Terms and conditions as set forth in this RFP apply to this solicitation.

Cash discount allowable _____% days; unless otherwise stated, payment terms are: Net thirty (30) days.

In signing this proposal, Contractor warrants that all certifications and documents requested herein are attached and properly completed and signed.

From time to time, the City may issue one or more addenda to this RFP. Below, please indicate all Addenda to this RFP received by your firm, and the date said Addenda was/were received. It

is the Contractor's responsibility to ensure that all addendums are received. Failure to acknowledge receipt of addenda may cause the City to reject the proposal as non-responsive.

Verification of Addenda Received

Addenda No: _____ Received on: _____
Addenda No: _____ Received on: _____
Addenda No: _____ Received on: _____

AUTHORIZED SIGNATURE: _____

PRINT SIGNER'S NAME AND TITLE: _____

DATE SIGNED: _____

COMPANY NAME & ADDRESS: _____

PHONE: _____ FAX: _____

EMAIL: _____

DIR REGISTRATION NO.: _____

PARTY SUBMITTING PROPOSAL: _____

**NON-COLLUSION DECLARATION
(TO BE EXECUTED BY CONTRACTOR AND SUBMITTED WITH PROPOSAL)**

The undersigned declares:

I am the _____ [title] of
_____ [Contractor], the party making the foregoing
proposal.

The proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The proposal is genuine and not collusive or a sham. The Contractor has not directly or indirectly induced or solicited any other Contractor to put in a false or sham proposal. The Contractor has not directly or indirectly colluded, conspired, plotted, or agreed with any Contractor or anyone else to put in a sham proposal, or to refrain from submitting a proposal. The Contractor has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the proposal price of the Contractor or any other Contractor, or to fix any overhead, profit, or cost element of the proposal price, or of that of any other Contractor. All statements contained in the proposal are true. The Contractor has not, directly or indirectly, submitted his or her proposal price, or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, proposal depository, or to any member or agent thereof to effectuate a collusive or sham proposal, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a Contractor that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the Contractor.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____
[date], at _____ [city], _____ [state].

Signature

Typed or Printed Name

Title

Party Submitting Proposal

ACKNOWLEDGMENT

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, _____
(insert name and title of the officer)

personally appeared _____,
who proved to me on 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 _____ (Seal)

**ACKNOWLEDGMENT OF THE TERMS AND CONDITIONS OF THE CITY OF
CORONA MAINTENANCE/GENERAL SERVICES AGREEMENT**

(To be Completed and Submitted with Contractor's Proposal)

This is to acknowledge that we have read the City of Corona Maintenance/General Services Agreement and will sign the agreement, as presented, without exception, for the City's RFP No. 22-045RH Citywide Utilities Facilities Arc Flash Study Consulting Services.

(Firm name)

(Print name and title of person signing for firm)

(Signature/date)

**CITYWIDE UTILITIES FACILITIES ARC FLASH STUDY CONSULTING SERVICES.
Insurance Requirements Check Sheet
(To be Completed and Submitted with Contractor’s Proposal)**

Contractor shall present any insurance exceptions that do not meet the City’s minimum insurance requirements. Exceptions will be evaluated by the City and are subject to acceptance at the City’s discretion.

**RFP No. 22-045RH
INSURANCE REQUIREMENTS**

	Meet or Exceed ?
General Liability - \$1M occurrence/\$2M aggregate	Yes or No
Automobile Liability - \$1M	Yes or No
Workers Compensation and Employer's Liability - \$1M	Yes or No
Professional Liability - \$1M occurrence/\$2M aggregate	Yes or No
Technology Professional E&O Insurance - \$2M occurrence or \$2M aggregate	Yes or No
(1) an insurer with a current A.M. Best’s rating no less than (A-):VII and licensed as an admitted insurance carrier in California; or	Yes or No
(2) an insurer with a current A.M. Best’s rating no less than (A-):X and authorized to issue the required policies in California. (LASLI)	Yes or No

Insurance Endorsements

General Liability	
(Occurrence form CG 0001)	
Policy should state the City the City, its directors, officials, officers, employees, agents, and volunteers shall be covered as additional insured with respect to liability arising out of work or operations performed by or on behalf of the Contractor, including materials, parts or equipment furnished in connection therewith OR Any person or organization whom you have agreed to include as an additional insured under a written contract. provided such contract was executed prior to the date of loss.	Yes or No
Completed Operations as evidenced with the following endorsements	
Endorsement form CG 20 10 11 85 OR	Yes or No
CG 20 37 and one of the following	Yes or No
CG 20 10	Yes or No
CG 20 26	Yes or No
CG 20 33	Yes or No
CG 20 38	Yes or No
The insurance coverage shall be primary any City insurance will be in excess of the contractors insurance and will not be called upon to contribute Endorsement Form shall be as broad as CG 20 01 04 13	Yes or No

Automobile Liability	
Form number CA 0001 code 1 (any auto)	Yes or No
No owned autos Code 8 (hired) and 9 (non-owned)	Yes or No
Workers' Compensation	
The insurer shall agree to waive all rights of subrogation against the City, its directors, officials, officers, employees, agents, and volunteers for losses paid under the terms of the insurance policy which arise from work or Services performed by the Consultant	Yes or No
Waiver of Subrogation – All Other Policies. Consultant hereby waives all rights of subrogation any insurer of Consultant’s may acquire against the City, its directors, officials, officers, employees, agents, and volunteers for losses paid under the terms of any insurance policy which arise from work or Services performed by the Consultant	Yes or No
All insurance policies shall have a (30) days' notice of cancellation endorsement OR	Yes or No
Vendor must sign a City provided statement that the Vendor shall notify the City within two business days any notice of cancellation	Yes or No
Does your insurance have any deductibles and/or self-insurance retentions?	Yes or No

CONTRACTOR INFORMATION FORM

A. Information about Contractor

[***Indicate not applicable (“N/A”) where appropriate. ***]

NOTE: Where Contractor is a joint venture, pages shall be duplicated, and information provided for all parties to the joint venture.

1 Name of Contractor: _____

2 Type, if Entity: _____

3 Consultant Address: _____

Email Address	Telephone Number
---------------	------------------

4. _____

License Number	DIR Registration Number
----------------	-------------------------

5 How many years has Contractor’s organization been in business performing the services requested in this RFP? _____

6 How many years has Contractor’s organization been in business under its present name? _____

6.1 Under what other or former names has Contractor’s organization operated:

7 If Contractor’s organization is a corporation, answer the following:

7.1 Date of Incorporation: _____

7.2 State of Incorporation: _____

7.3 President’s Name: _____

7.4 Vice-President’s Name(s): _____

7.5 Secretary’s Name: _____

7.6 Treasurer’s Name: _____

- 8 If an individual or a partnership, answer the following:
- 8.1 Date of Organization: _____
- 8.2 Name and address of all partners (state whether general or limited partnership):
- _____
- _____
- _____
- 9 If other than a corporation or partnership, describe organization and name principals:
- _____
- _____
10. List other states in which Contractor's organization is legally qualified to do business.
- _____
- _____
- _____
11. What type of work does the Contractor normally perform with its own forces?
- _____
- _____
12. Has Contractor ever failed to complete any work awarded to it? If so, note when, where, and why:
- _____
- _____
13. Within the last ten years, has any officer or partner of Contractor's organization ever been an officer or partner of another organization when it failed to complete a contract? If so, attach a separate sheet of explanation:
- _____
- _____

14. List Trade References:

15. List Bank References (Bank and Branch Address):

16. Insurance Documentation:

Submit a sample of your certificate of insurance for a preliminary review by the City.

Disclose any deductibles or self-insured retentions. Any deductibles or self-insured retentions are subject to approval by the City

B. Personnel (copy this page if additional space is required)

The Contractor shall identify the key personnel to be assigned to this project in a management, construction supervision or engineering capacity.

1. List each person's job title, name and percent of time to be allocated to this project:

2. Summarize each person's specialized education:

3. List each person's years of experience relevant to the project:

4. Summarize such experience:

Contractor agrees that personnel named in this Proposal will remain on this Project until completion of all relevant Work, unless substituted by personnel of equivalent experience and qualifications approved in advance by the City.

Additional Contractor's Statements:

If the Contractor feels that there is additional information which has not been included in the questionnaire above, and which would contribute to the qualification review, it may add that information in a statement here or on an attached sheet, appropriately marked:

C. Verification and Execution

These Forms shall be executed only by a duly authorized official of the Contractor:

I declare under penalty of perjury under the laws of the State of California that the foregoing information is true and correct:

Name of Contractor _____

Signature _____

Name _____

Title _____

Dated _____

CONTRACTOR EXPERIENCE FORM

Contractor is required to have successfully performed three Citywide Utilities Facilities Arc Flash Study Consulting Services projects with a minimum value of \$50,000 or greater within the last five years and submit references for the three (3) projects.

1. Project Name _____
Address _____

Phone Number _____
Contact Person _____
Dates of Project _____ to _____
Value of Project _____

2. Project Name _____
Address _____

Phone Number _____
Contact Person _____
Dates of Project _____ to _____
Value of Project _____

3. Project Name _____
Address _____

Phone Number _____
Contact Person _____
Dates of Project _____ to _____
Value of Project _____

I hereby certify that I have performed the work listed above.

Signature of Contractor



Vendor Performance Evaluation Form

Department:		Division:		
Prepared By:		Title:		
Vendor Name:			P.O. #:	
Contract Amount: \$		Change Order Amount: \$		
Project Name:				
Description of Project:				
Date Prepared:				
Performance Evaluation Period: (select one)				
Weekly <input type="radio"/>	Monthly <input type="radio"/>	Quarterly <input type="radio"/>	Annually <input type="radio"/>	Other <input type="radio"/>
Vendor Category: (select one)				
General and Maintenance Services - Commercial services provided on a frequent basis such as catering, lawn service, general maintenance, or cleaning. <input type="radio"/>		Professional Service - unique, technical, and/or infrequent functions performed by an independent Consultant/vendor qualified by education, experience, and/or technical ability to provide services. <input type="radio"/>		
Products - a supplier of a tangible object that is manufactured or refined for sale. <input type="radio"/>		Software - a supplier of technology infrastructure or any license/maintenance based, or cloud based software, requiring access to the City's information technology system. <input type="radio"/>		
Evaluation Score Range and Criteria Factors				
EXCELLENT	ABOVE AVERAGE	AVERAGE	BELOW AVERAGE	UNSATISFACTORY
5 (4.50-5.00)	4 (3.20-4.49)	3 (2.60-3.19)	2 (1.81-2.59)	1 (1.00-1.80)
<ol style="list-style-type: none"> 1. <i>Quality of Goods and Services: A measure to determine if the goods/ service received met the quality desired.</i> 2. <i>Quality of Work Performed: A measure to determine if the actual performed met the quality desired.</i> 3. <i>Timeliness of Delivery of Goods: A measure to determine if the goods delivered met (at minimum) the date specified to the vendor.</i> 4. <i>Compliance with Law and Regulations: A measure to determine if the supplier adhered to compliance law and regulations related to the nature of work or product delivered.</i> 				

5. *Safety and Protection: A measure to determine if the supplier followed all safety precautions and wore the appropriate protection gear to perform the service.*
6. *Appropriate of Tools/Technology: A measure to determine if the vendor provided tools/technology that aligned with requirements.*
7. *Customer Service: How knowledgeable was the vendor regarding the product or service, was the vendor proactive in addressing City staff problems or concerns regarding the product or service.*
8. *Overall Timeliness of Invoices: Invoices for payment were submitted on a timely basis reflective to the contract.*
9. *Overall accuracy of Invoices: Invoices for payment were accurate and complete, covering the Work completed as of the date of the Application, inclusive of all required attachments and backup data*

For each category identified below, enter the score (1 – 5) with 1 being unsatisfactory and 5 being excellent

Evaluation Criteria	Evaluation Score				
1. <i>Quality of Goods and Services</i>	5	4	3	2	1
2. <i>Quality of Work Performed</i>	5	4	3	2	1
3. <i>Timeliness of Delivery of Goods</i>	5	4	3	2	1
4. <i>Compliance with Law and Regulations</i>	5	4	3	2	1
5. <i>Safety and Protection</i>	5	4	3	2	1
6. <i>Appropriate of Tools/Technology</i>	5	4	3	2	1
7. <i>Customer Service</i>	5	4	3	2	1
8. <i>Overall Timeliness of Invoices</i>	5	4	3	2	1
9. <i>Overall accuracy of Invoices</i>	5	4	3	2	1

ACKNOWLEDGMENT OF THE VENDOR PERFORMANCE EVALUATION FORM

This is to acknowledge that we have read the City of Corona Vendor Performance Evaluation Form and understand a version of this type of form will be used to provide the basis for regular conversations with the City around contract performance metrics.

(Firm name)

(Print name and title of person signing for firm)

(Signature/date)

**CONTRACTOR'S CERTIFICATE REGARDING
WORKERS' COMPENSATION**

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract.

Contractor's Name _____

Signature _____

Name _____

Title _____

Dated _____

INDUSTRIAL SAFETY RECORD

(To be Completed and Submitted with Contractor's Proposal)

Number of OSHA Violations within the last 5 years (must state zero if none):

___ Serious ___ Willful ___ Repeat ___ Other ___ Unclass _____ Total

Firm Name (Print)

Signature

Name and Title (Print)

Date

SECTION VII.

AGREEMENT SAMPLE

**CITY OF CORONA
MAINTENANCE/GENERAL SERVICES AGREEMENT
WITH [***INSERT NAME***]
([***INSERT TYPE OF SERVICES***] – [***INSERT PROJECT NAME***])**

1. PARTIES AND DATE.

This Agreement is made and entered into this [***INSERT DAY***] day of [***INSERT MONTH***], [***INSERT YEAR***] (“Effective Date”) by and between the City of Corona, a municipal corporation organized under the laws of the State of California with its principal place of business at 400 South Vicentia Avenue, Corona, California 92882 (“City”) and [***INSERT NAME***], a [***[INSERT TYPE OF ENTITY - CORPORATION, PARTNERSHIP, SOLE PROPRIETORSHIP OR OTHER LEGAL ENTITY]***] with its principal place of business at [***INSERT ADDRESS***] (“Contractor”). City and Contractor are sometimes individually referred to as “Party” and collectively as “Parties” in this Agreement.

2. RECITALS.

2.1 Contractor.

Contractor desires to perform and assume responsibility for the provision of certain maintenance or other general services required by the City on the terms and conditions set forth in this Agreement. Contractor represents that it is experienced in providing Citywide Utilities Facilities Arc Flash Study Consulting Services to public clients, that it and its employees or subcontractors have all necessary licenses and permits to perform the Services in the State of California, and that is familiar with the plans of City. Contractor shall not subcontract any portion of the work required by this Agreement, except as expressly stated herein, without prior written approval of City. Subcontracts, if any, shall contain a provision making them subject to all provisions stipulated in this Agreement.

2.2 Project.

City desires to engage Contractor to render such services for the Citywide Utilities Facilities Arc Flash Study Consulting Services project (“Project”) as set forth in this Agreement.

3. TERMS.

3.1 Scope of Services and Term.

3.1.1 General Scope of Services. Contractor promises and agrees to furnish to the City all labor, materials, tools, equipment, services, and incidental and customary work necessary to fully and adequately supply the professional Citywide Utilities Facilities Arc Flash Study Consulting Services maintenance or other general services necessary for the Project (“Services”). The Services are more particularly described in Exhibit “A” attached hereto and incorporated herein by reference. All Services shall be subject to, and performed in accordance with, this Agreement, the exhibits attached hereto and incorporated herein by reference, and all applicable local, state and federal laws, rules and regulations.

3.1.2 Term. The term of this Agreement shall be from June 15, 2022 to June 14, 2023 (“Term”), unless earlier terminated as provided herein. Contractor shall complete the Services within the Term of this Agreement, and shall meet any other established schedules and deadlines. The Parties may, by mutual, written consent, extend the Term of this Agreement one or more times by executing a written amendment pursuant to Section 3.5.8 below (each a “Renewal Term”).

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3.2 Responsibilities of Contractor.

3.2.1 Control and Payment of Subordinates; Independent Contractor. The Services shall be performed by Contractor or under its supervision. Contractor will determine the means, methods and details of performing the Services subject to the requirements of this Agreement. City retains Contractor on an independent contractor basis and not as an employee. Contractor retains the right to perform similar or different services for others during the Term of this Agreement. Any additional personnel performing the Services under this Agreement on behalf of Contractor shall also not be employees of City and shall at all times be under Contractor's exclusive direction and control. Contractor shall pay all wages, salaries, and other amounts due such personnel in connection with their performance of Services under this Agreement and as required by law. Contractor shall be responsible for all reports and obligations respecting such additional personnel, including, but not limited to: social security taxes, income tax withholding, unemployment insurance, disability insurance, and workers' compensation insurance.

3.2.2 Schedule of Services. Contractor shall perform the Services within the Term of this Agreement, in accordance with the Schedule of Services set forth in Exhibit "B" attached hereto and incorporated herein by reference, and in accordance with any other completion schedule or milestones which may be separately agreed upon in writing by the Parties. Contractor represents that it has the professional and technical personnel required to perform the Services in conformance with such conditions. In order to facilitate Contractor's conformance with the Schedule, City shall respond to Contractor's submittals in a timely manner. Upon request of City, Contractor shall provide a more detailed schedule of anticipated performance to meet the Schedule of Services.

3.2.3 Conformance to Applicable Requirements. All Services performed by Contractor shall be subject to the approval of City.

3.2.4 City's Representative. The City hereby designates [***INSERT NAME OR TITLE***], or his or her designee, to act as its representative for the performance of this Agreement ("City's Representative"). City's Representative shall have the power to act on behalf of the City for all purposes under this Agreement. Contractor shall not accept direction or orders from any person other than the City's Representative or his or her designee.

3.2.5 Contractor's Representative. Contractor hereby designates [***INSERT NAME OR TITLE***], or his or her designee, to act as its representative for the performance of this Agreement ("Contractor's Representative"). Contractor's Representative shall have full authority to represent and act on behalf of the Contractor for all purposes under this Agreement. The Contractor's Representative shall supervise and direct the Services, using his best skill and attention, and shall be responsible for all means, methods, techniques, sequences and procedures and for the satisfactory coordination of all portions of the Services under this Agreement.

3.2.6 Coordination of Services. Contractor agrees to work closely with City staff in the performance of Services and shall be available to City's staff, consultants and other staff at all reasonable times.

3.2.7 Standard of Care; Performance of Employees. Contractor shall perform all Services under this Agreement in a skillful and competent manner, consistent with the standards generally recognized as being employed by professionals in the same discipline in the State of California. Contractor represents and maintains that it is skilled in the professional calling necessary to perform the Services. Contractor agrees that all employees and subcontractors shall have sufficient skill and experience to perform the Services assigned to them. Finally, Contractor represents that it, its employees and subcontractors shall have all licenses, permits, qualifications and approvals of whatever nature that are legally required to perform the Services, including a City Business License, and that such licenses and approvals shall be maintained throughout the Term of this Agreement. As provided for in the indemnification provisions of this Agreement, Contractor shall perform, at its own cost and expense and without reimbursement from the City, any services necessary to correct errors or omissions which are caused by the

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Contractor's failure to comply with the standard of care provided for herein. Any employee of the Contractor or its sub-contractors who is determined by the City to be uncooperative, incompetent, a threat to the adequate or timely completion of the Project, a threat to the safety of persons or property, or any employee who fails or refuses to perform the Services in a manner acceptable to the City, shall be promptly removed from the Project by the Contractor and shall not be re-employed to perform any of the Services or to work on the Project.

3.2.8 Disputes. Should any dispute arise respecting the true value of any work done, of any work omitted, or of any extra work which Contractor may be required to do, or respecting the size of any payment to Contractor during the performance of this Contract, Contractor shall continue to perform the Work while said dispute is decided by the City. If Contractor disputes the City's decision, Contractor shall have such remedies as may be provided by law.

3.2.9 Laws and Regulations; Employee/Labor Certifications. Contractor shall keep itself fully informed of and in compliance with all local, state and federal laws, rules and regulations in any manner affecting the performance of the Project or the Services, including all Cal/OSHA requirements, and shall give all notices required by law. Contractor shall be liable for all violations of such laws and regulations in connection with Services. If the Contractor performs any work or Services knowing them to be contrary to such laws, rules and regulations and without giving written notice to the City, Contractor shall be solely responsible for all costs arising therefrom. City is a public entity of the State of California subject to certain provisions of the Health & Safety Code, Government Code, Public Contract Code, and Labor Code of the State. It is stipulated and agreed that all provisions of the law applicable to the public contracts of a municipality are a part of this Contract to the same extent as though set forth herein and will be complied with. These include but are not limited to the payment of prevailing wages, the stipulation that eight (8) hours' labor shall constitute a legal day's work and that no worker shall be permitted to work in excess of eight (8) hours during any one calendar day except as permitted by law. Contractor shall defend, indemnify and hold City, its officials, directors, officers, employees and agents free and harmless, pursuant to the indemnification provisions of this Agreement, from any claim or liability arising out of any failure or alleged failure to comply with such laws, rules or regulations.

3.2.9.1 Employment Eligibility; Contractor. By executing this Agreement, Contractor verifies that it fully complies with all requirements and restrictions of state and federal law respecting the employment of undocumented aliens, including, but not limited to, the Immigration Reform and Control Act of 1986, as may be amended from time to time. Such requirements and restrictions include, but are not limited to, examination and retention of documentation confirming the identity and immigration status of each employee of the Contractor. Contractor also verifies that it has not committed a violation of any such law within the five (5) years immediately preceding the date of execution of this Agreement and shall not violate any such law at any time during the Term of the Agreement. Contractor shall avoid any violation of any such law during the Term of this Agreement by participating in an electronic verification of work authorization program operated by the United States Department of Homeland Security, by participating in an equivalent federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, or by some other legally acceptable method. Contractor shall maintain records of each such verification, and shall make them available to the City or its representatives for inspection and copy at any time during normal business hours. The City shall not be responsible for any costs or expenses related to Contractor's compliance with the requirements provided for in Section 3.2.9 or any of its sub-sections.

3.2.9.2 Employment Eligibility; Subcontractors, Sub-subcontractors and Consultants. To the same extent and under the same conditions as Contractor, Contractor shall require all of its subcontractors, sub-subcontractors and consultants performing any work or Services relating to the Project or this Agreement to make the same verifications and comply with all requirements and restrictions provided for in Section 3.2.9.1.

3.2.9.3 Employment Eligibility; Failure to Comply. Each person executing this Agreement on behalf of Contractor verifies that they are a duly authorized officer of Contractor, and understands that any of the following shall be grounds for the City to terminate the Agreement for cause: (1) failure of Contractor or its subcontractors, sub-subcontractors or consultants to meet any of the requirements provided for in Sections 3.2.9.1 or 3.2.9.2; (2) any misrepresentation or material omission concerning compliance with such requirements (including in those verifications provided to the Contractor under Section 3.2.9.2); or (3) failure to immediately remove from the Project any person found not to be in compliance with such requirements.

3.2.9.4 Labor Certification. By its signature hereunder, Contractor certifies that it is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and agrees to comply with such provisions before commencing the performance of the Services.

3.2.9.5 Equal Opportunity Employment. Contractor represents that it is an equal opportunity employer and it shall not discriminate against any subconsultant, employee or applicant for employment because of race, religion, color, national origin, handicap, ancestry, sex or age. Such non-discrimination shall include, but not be limited to, all activities related to initial employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff or termination. Contractor shall also comply with all relevant provisions of City's Minority Business Enterprise program, Affirmative Action Plan or other related programs or guidelines currently in effect or hereinafter enacted.

3.2.9.6 Air Quality. Contractor must fully comply with all applicable laws, rules and regulations in furnishing or using equipment and/or providing services, including, but not limited to, emissions limits and permitting requirements imposed by the South Coast Air Quality Management District (SCAQMD) and/or California Air Resources Board (CARB). Although the SCAQMD and CARB limits and requirements are more broad, Contractor shall specifically be aware of their application to "portable equipment", which definition is considered by SCAQMD and CARB to include any item of equipment with a fuel-powered engine. Contractor shall indemnify City against any fines or penalties imposed by SCAQMD, CARB, or any other governmental or regulatory agency for violations of applicable laws, rules and/or regulations by Contractor, its subcontractors, or others for whom Contractor is responsible under its indemnity obligations provided for in this Agreement.

3.2.10 Insurance.

3.2.10.1 Time for Compliance. Promptly following the Effective Date of this Agreement, but in no event before Contractor commences any Services under this Agreement, Contractor shall provide evidence satisfactory to the City that it has secured all insurance required under this section. Failure to provide and maintain all required insurance shall be grounds for the City to terminate this Agreement for cause.

3.2.10.2 Minimum Requirements. Contractor shall, at its expense, procure and maintain for the duration of the Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the Agreement by the Contractor, its agents, representatives, employees or subcontractors. Contractor shall also require all of its subcontractors to procure and maintain the same insurance for the duration of the Agreement. Such insurance shall meet at least the following minimum levels of coverage:

(A) Minimum Scope of Insurance. Coverage shall be at least as broad as the latest version of the following: (1) *General Liability*: Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001); (2) *Automobile Liability*: Insurance Services Office Business Auto Coverage form number CA 0001, code 1 (any auto), or if Contractor has no owned autos, Code 8 (hired) and 9 (non-owned);

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and (3) *Workers' Compensation and Employer's Liability*: Workers' Compensation insurance as required by the State of California and Employer's Liability Insurance.

(B) Minimum Limits of Insurance. Contractor shall maintain limits no less than: (1) *General Liability* \$1,000,000 MINIMUM; per occurrence for bodily injury, personal injury, advertising injury and property damage. If Commercial General Liability Insurance or other form with general aggregate limit is used including, but not limited to, form CG 2503, either the general aggregate limit shall apply separately to this Agreement/location or the general aggregate limit shall be twice the required occurrence limit; (2) *Automobile Liability*: \$1,000,000 MINIMUM; per accident for bodily injury and property damage; and (3) *Workers' Compensation and Employer's Liability*: Workers' Compensation limits as required by the Labor Code of the State of California. Employer's Liability limits of \$1,000,000 MINIMUM; per accident for bodily injury or disease.

3.2.10.3 Insurance Endorsements. The insurance policies shall contain or be endorsed (amended) to include the following provisions:

(A) General Liability. The general liability policy shall state that: (1) the City, its directors, officials, officers, employees, agents, and volunteers shall be covered as additional insured with respect to liability arising out of work or operations performed by or on behalf of the Contractor, including materials, parts or equipment furnished in connection therewith (the endorsement form shall be at least as broad as ISO Form CG 20 10 11 85 or both CG 20 37 and one of the following: CG 20 10, CG 20 26, CG 20 33 or CG 20 38); and (2) the insurance coverage shall be primary insurance coverage as respects the City, its directors, officials, officers, employees, agents, and volunteers (the endorsement form shall be at least as broad as ISO CG 20 01 04 13). Any insurance or self-insurance maintained by the City, its directors, officials, officers, employees, agents, and volunteers shall be excess of the Contractor's insurance and shall not be called upon to contribute with it in any way.

(B) Waiver of Subrogation – Workers' Compensation and Employer's Liability Coverage. The insurer shall agree to waive all rights of subrogation against the City, its directors, officials, officers, employees, agents, and volunteers for losses paid under the terms of the insurance policy which arise from work or Services performed by the Contractor.

(C) All Coverages. If Contractor maintains broader coverage and/or higher limits than the minimums shown above, the City is entitled to the broader coverage and/or higher limits maintained by Contractor. Thus, any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the City.

3.2.10.4 Other Provisions; Endorsements Preferred. Contractor shall endeavor to provide endorsements regarding the following provisions, but nonetheless understands, acknowledges and agrees that the following provisions shall apply and that failure to comply shall be considered to be a breach of this Agreement by Contractor:

(A) Waiver of Subrogation – All Other Policies. Contractor hereby waives all rights of subrogation any insurer of Contractor's may acquire against the City, its directors, officials, officers, employees, agents, and volunteers for losses paid under the terms of any insurance policy which arise from work or Services performed by the Contractor. Contractor understands, acknowledges and agrees that this provision is in full force and effect even if the City does not receive a waiver of subrogation endorsement from the insurer.

(B) Notice. Contractor shall either: (1) require its insurer to provide thirty (30) days prior written notice to the City before coverage is suspended, voided, or canceled; or (2) notify City in writing that such notice is not available and forward any notice of such actions to the City within two (2) business

3.2.12 Bonds.

3.2.12.1 Performance Bond. If required by law or otherwise specifically requested by City in Exhibit "C" attached hereto and incorporated herein by reference, Contractor shall execute and provide to City concurrently with this Agreement a Performance Bond in the amount of the Total Compensation indicated in this Agreement, and in a form provided or approved by the City. If such bond is required, no payment will be made to Contractor until it has been received and approved by the City.

3.2.12.2 Payment Bond. If required by law or otherwise specifically requested by City in Exhibit "C" attached hereto and incorporated herein by reference, Contractor shall execute and provide to City concurrently with this Agreement a Payment Bond in the amount of the Total Compensation indicated in this Agreement, and in a form provided or approved by the City. If such bond is required, no payment will be made to Contractor until it has been received and approved by the City.

3.2.12.3 Bond Provisions. Should, in City's sole opinion, any bond become insufficient or any surety be found to be unsatisfactory, Contractor shall renew or replace the affected bond within 10 days of receiving notice from City. In the event the surety or Contractor intends to reduce or cancel any required bond, at least thirty (30) days prior written notice shall be given to the City, and Contractor shall post acceptable replacement bonds at least ten (10) days prior to expiration of the original bonds. No further payments shall be deemed due or will be made under this Agreement until any replacement bonds required by this section are accepted by the City. To the extent, if any, that the Total Compensation is increased in accordance with the Agreement, the Contractor shall, upon request of the City, cause the amount of the bonds to be increased accordingly and shall promptly deliver satisfactory evidence of such increase to the City. To the extent available, the bonds shall further provide that no change or alteration of the Agreement (including, without limitation, an increase in the Total Compensation, as referred to above), extensions of time, or modifications of the time, terms, or conditions of payment to the Contractor, will release the surety. If the Contractor fails to furnish any required bond, the City may terminate this Agreement for cause.

3.2.12.4 Surety Qualifications. The bonds must be provided by a surety which is satisfactory to the City and which meets either of the following criteria: (1) a surety with a current A.M. Best's rating no less than A-:VII and licensed as an admitted surety insurer in California; or (2) a surety with a current A.M. Best's rating no less than A-:X and authorized to issue the required bonds in California. If a surety does not meet these requirements, the insurer will be considered qualified if it is in conformance with Section 995.660 of the California Code of Civil Procedure, and proof of such is provided to the City.

3.2.13 Accounting Records. Contractor shall maintain complete and accurate records with respect to all costs and expenses incurred under this Agreement. All such records shall be clearly identifiable. Contractor shall allow a representative of City during normal business hours to examine, audit, and make transcripts or copies of such records and any other documents created pursuant to this Agreement. Contractor shall allow inspection of all work, data, documents, proceedings, and activities related to the Agreement for a period of three (3) years from the date of final payment under this Agreement.

3.3 Fees and Payments.

3.3.1 Rates & Total Compensation. Contractor shall receive compensation, including authorized reimbursements, for all Services rendered under this Agreement at the rates set forth in Exhibit "C" attached hereto and incorporated herein by reference. The total compensation, including authorized reimbursements, shall not exceed [***INSERT WRITTEN DOLLAR AMOUNT***] (\$[***INSERT NUMERICAL DOLLAR AMOUNT***]) ("Total Compensation") without written approval of City's [***INSERT TITLE***]. Extra Work may be authorized, as described below, and if authorized, will be compensated at the rates and manner set forth in this Agreement.

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3.3.2 Payment of Compensation. Contractor shall submit to City a monthly itemized statement which indicates work completed and hours of Services rendered by Contractor. The statement shall describe the amount of Services and supplies provided since the initial commencement date, or since the start of the subsequent billing periods, as appropriate, through the date of the statement. City shall, within 30 days of receiving such statement, review the statement and pay all approved charges thereon.

3.3.3 Reimbursement for Expenses. Contractor shall not be reimbursed for any expenses unless authorized in writing by City.

3.3.4 Extra Work. At any time during the Term of this Agreement, City may request that Contractor perform Extra Work. As used herein, “Extra Work” means any work which is determined by City to be necessary for the proper completion of the Project, but which the Parties did not reasonably anticipate would be necessary at the execution of this Agreement. Contractor shall not perform, nor be compensated for, Extra Work without written authorization from City’s Representative.

3.3.5 Prevailing Wages. Contractor is aware of the requirements of Chapter 1 (beginning at Section 1720 et seq.) of Part 7 of Division 2 of the California Labor Code, as well as Title 8, Section 16000 et seq. of the California Code of Regulations (“Prevailing Wage Laws”), which require the payment of prevailing wage rates and the performance of other requirements on “public works” and “maintenance” projects. If the Services are being performed as part of an applicable “public works” or “maintenance” project, as defined by the Prevailing Wage Laws, and if the Total Compensation is \$1,000 or more, Contractor and its subcontractors shall fully comply with the Prevailing Wage Laws for their employees and any others to whom such laws are applicable. Contractor and its subcontractors shall also be responsible for any and all violations and fines imposed on them pursuant to the Prevailing Wage Laws. Pursuant to SB 854, which amended the Prevailing Wage Laws, this Agreement would also be subject to compliance monitoring and enforcement by the California Department of Industrial Relations (“DIR”). Beginning April 1, 2015, no contractor or subcontractor may be awarded this Agreement unless registered with the DIR pursuant to Labor Code Section 1725.5. The City will report all necessary agreements to the DIR as required by the Prevailing Wage Laws. Contractor shall make copies of the prevailing rates of per diem wages for each craft, classification or type of worker needed to execute the Services available to interested parties upon request, and shall post copies at the Contractor’s principal place of business and at the Project site. It is most efficient for the Contractor to obtain a copy of the prevailing wages in effect at the commencement of this Agreement from the website of the Division of Labor Statistics and Research of the DIR located at www.dir.ca.gov/dlsr/. In the alternative, Contractor may obtain a copy of the prevailing wages from the City’s [***INSERT TITLE***]. Contractor shall defend, indemnify and hold the City, its elected officials, officers, employees and agents free and harmless from any claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws.

3.3.6 Apprenticeable Crafts. If the work is being performed as part of an applicable “public works” or “maintenance” project, as defined by the Prevailing Wage Laws, Contractor shall comply with the provisions of Section 1777.5 of the California Labor Code with respect to the employment of properly registered apprentices upon public works when Contractor employs workmen in an apprenticeable craft or trade. The primary responsibility for compliance with said section for all apprenticeable occupations shall be with Contractor.

3.4 Termination of Agreement.

3.4.1 Grounds for Termination. City may, by written notice to Contractor, terminate the whole or any part of this Agreement at any time and without cause by giving written notice to Contractor of such termination, and specifying the effective date thereof, at least seven (7) days before the effective date of such termination. Upon termination, Contractor shall be compensated only for those Services which have been adequately rendered to City,

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as well as any authorized reimbursable expenses, and Contractor shall be entitled to no further compensation. Contractor may not terminate this Agreement except for cause.

3.4.2 Effect of Termination. If this Agreement is terminated as provided herein, City may require Contractor to provide all finished or unfinished Documents and Data and other information of any kind prepared by Contractor in connection with the performance of Services under this Agreement. Contractor shall be required to provide such document and other information within fifteen (15) days of the request.

3.4.3 Additional Services. In the event this Agreement is terminated in whole or in part as provided herein, City may procure, upon such terms and in such manner as it may determine appropriate, services similar to those terminated.

3.5 General Provisions.

3.5.1 Delivery of Notices. All notices permitted or required under this Agreement shall be given to the respective Parties at the following address, or at such other address as the respective Parties may provide in writing for this purpose:

Contractor:

[***INSERT NAME, ADDRESS & CONTACT PERSON***]

City:

City of Corona
400 South Vicentia Avenue
Corona, CA 92882
Attn: [***INSERT NAME & DEPARTMENT***]

Such notice shall be deemed made when personally delivered or when mailed, forty-eight (48) hours after deposit in the U.S. Mail, first class postage prepaid and addressed to the Party at its applicable address. Actual notice shall be deemed adequate notice on the date actual notice occurred, regardless of the method of service.

3.5.2 Indemnification. To the fullest extent permitted by law, Contractor shall defend (with counsel of City's choosing), indemnify and hold the City, its directors, officials, officers, employees, volunteers and agents free and harmless from any and all claims, demands, causes of action, costs, expenses, liability, loss, damage or injury of any kind, in law or equity, to property or persons, including wrongful death, to the extent arising out of, pertaining to, or incident to any alleged willful misconduct or negligent acts, errors or omissions of Contractor, its officials, officers, employees, subcontractors, consultants or agents in connection with the performance of the Contractor's Services, the Project or this Agreement, including without limitation the payment of all settlement amounts, expert witness fees and attorneys fees and other related costs and expenses. Notwithstanding the foregoing, to the extent Contractor's Services are subject to Civil Code Section 2782.8, the above indemnity shall be limited, to the extent required by Civil Code Section 2782.8, to claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Contractor. Contractor's obligation to indemnify shall survive expiration or termination of this Agreement, and shall not be restricted to insurance proceeds, if any, received by the City, its directors, officials officers, employees, agents, or volunteers.

3.5.3 Governing Law; Government Code Claim Compliance. This Agreement shall be governed by the laws of the State of California. Venue shall be in Riverside County. In addition to any and all contract requirements pertaining to notices of and requests for compensation or payment for extra work, disputed work, claims and/or changed conditions, Contractor must comply with the claim procedures set forth in Government Code Sections 900 et seq. prior to filing any lawsuit against the City. Such Government Code claims and any subsequent lawsuit

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based upon the Government Code claims shall be limited to those matters that remain unresolved after all procedures pertaining to extra work, disputed work, claims, and/or changed conditions have been followed by Contractor. If no such Government Code claim is submitted, or if any prerequisite contractual requirements are not otherwise satisfied as specified herein, Contractor shall be barred from bringing and maintaining a valid lawsuit against the City.

3.5.4 Time of Essence. Time is of the essence for each and every provision of this Agreement.

3.5.5 City's Right to Employ Other Contractors. City reserves right to employ other contractors in connection with this Project.

3.5.6 Successors and Assigns. This Agreement shall be binding on the successors and assigns of the parties.

3.5.6.1 Subcontractors; Assignment or Transfer. Contractor shall not subcontract any portion of the Services required under this Agreement, except as expressly authorized herein, without the prior written approval of the City. Subcontracts, if any, shall include a provision making them subject to all provisions of this Agreement. Contractor shall also not assign, hypothecate or transfer, either directly or by operation of law, this Agreement or any interest herein without the prior written consent of the City. Any attempt to subcontract or take any other action not authorized herein shall be null and void, and any subcontractors, assignees, hypothecates or transferees shall acquire no right or interest by reason of such action.

3.5.6.2 Corona Utility Authority. To the extent that this Agreement is deemed to be a "material contract" under either of the CUA Management Agreements, Contractor has no right to terminate this Agreement, either with or without cause, based upon the existence or non-existence of either or both of the CUA Management Agreements. Therefore, if an applicable CUA Management Agreement expires or terminates for any reason, Contractor shall remain fully obligated to perform under this Agreement with the CUA or another third party contracted by the CUA for the maintenance, management and operation of the applicable utility system. .

3.5.7 Construction; References; Captions. Since the Parties or their agents have participated fully in the preparation of this Agreement, the language of this Agreement shall be construed simply, according to its fair meaning, and not strictly for or against any Party. Any term referencing time, days or period for performance shall be deemed calendar days and not work days. All references to Contractor include all personnel, employees, agents, and subcontractors of Contractor, except as otherwise specified in this Agreement. All references to City include its elected officials, officers, employees, agents, and volunteers except as otherwise specified in this Agreement. The captions of the various articles and paragraphs are for convenience and ease of reference only, and do not define, limit, augment, or describe the scope, content or intent of this Agreement.

3.5.8 Amendment; Modification. No supplement, modification or amendment of this Agreement shall be binding unless executed in writing and signed by both Parties.

3.5.9 Waiver. No waiver of any default shall constitute a waiver of any other default or breach, whether of the same or other covenant or condition. No waiver, benefit, privilege, or service voluntarily given or performed by a Party shall give the other Party any contractual rights by custom, estoppel or otherwise.

3.5.10 No Third-Party Beneficiaries. Except to the extent expressly provided for in Section 3.5.6, there are no intended third-party beneficiaries of any right or obligation assumed by the Parties.

3.5.11 Invalidity; Severability. If any portion of this Agreement is declared invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions shall continue in full force and effect.

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3.5.12 Prohibited Interests. Contractor warrants that it has not employed nor retained any company or person, other than a bona fide employee working solely for Contractor, to solicit or secure this Agreement. Further, Contractor warrants that it has not paid nor has it agreed to pay any company or person, other than a bona fide employee working solely for Contractor, any fee, commission, percentage, brokerage fee, gift or other consideration contingent upon or resulting from the award or making of this Agreement. Contractor further agrees to file, or shall cause its employees or subcontractors to file, a Statement of Economic Interest with the City's Filing Officer as required under state law in the performance of the Services. For breach or violation of this warranty, City shall have the right to rescind this Agreement without liability. For the Term of this Agreement, no member, officer or employee of City, during the term of his or her service with City, shall have any direct interest in this Agreement, or obtain any present or anticipated material benefit arising therefrom.

3.5.13 Cooperation; Further Acts. The Parties shall fully cooperate with one another, and shall take any additional acts or sign any additional documents as may be necessary, appropriate or convenient to attain the purposes of this Agreement.

3.5.14 Attorney's Fees. If either Party commences an action against the other Party, either legal, administrative or otherwise, arising out of or in connection with this Agreement, the prevailing Party in such litigation shall be entitled to have and recover from the losing Party reasonable attorney's fees and all other costs of such action.

3.5.15 Authority to Enter Agreement. Contractor has all requisite power and authority to conduct its business and to execute, deliver, and perform the Agreement. Each Party warrants that the individuals who have signed this Agreement have the legal power, right, and authority to make this Agreement and bind each respective Party.

3.5.16 Counterparts. This Agreement may be signed in counterparts, each of which shall constitute an original.

3.5.17 Entire Agreement. This Agreement contains the entire Agreement of the Parties with respect to the subject matter hereof, and supersedes all prior negotiations, understandings or agreements. This Agreement may only be modified by a writing signed by both Parties.

[SIGNATURES ON NEXT 2 PAGES]

CITY’S SIGNATURE PAGE FOR
CITY OF CORONA
MAINTENANCE/GENERAL SERVICES AGREEMENT
WITH [*INSERT NAME***]**
([*INSERT TYPE OF SERVICES***] – [***INSERT PROJECT NAME***])**

IN WITNESS WHEREOF, the Parties have entered into this Agreement as of the date first written above.

CITY OF CORONA

By: _____
[***INSERT NAME***]
[***INSERT TITLE***]

Attest:

[***INSERT NAME***]
City Clerk

CONTRACTOR'S SIGNATURE PAGE FOR
CITY OF CORONA
MAINTENANCE/GENERAL SERVICES AGREEMENT
WITH [*INSERT NAME***]**
([*INSERT TYPE OF SERVICES***] – [***INSERT PROJECT NAME***])**

IN WITNESS WHEREOF, the Parties have entered into this Agreement as of the date first written above.

[*INSERT NAME OF CONTRACTOR***]**
a **[***INSERT TYPE OF LEGAL ENTITY***]**

By: _____
[***INSERT NAME***]
[***INSERT TITLE***]

By: _____
[***INSERT NAME***]
[***INSERT TITLE***]

EXHIBIT "A"
SCOPE OF SERVICES

INSERT PROPOSED SCOPE OF SERVICES

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**EXHIBIT “B”
SCHEDULE OF SERVICES**

INSERT PROPOSED SCHEDULE OF SERVICES

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**EXHIBIT “C”
COMPENSATION**

INSERT PROPOSED RATES & AUTHORIZED REIMBURSABLE EXPENSES

**SEE SECTION 3.2.12 ABOVE AND INSERT CITY’S REQUIREMENT FOR
PERFORMANCE/PAYMENT BONDS, OF WHICH ARE REQUIRED**

APPENDIX

City Facility Locations Attachment A

CITYWIDE UTILITIES FACILITIES ARC FLASH STUDY LOCATIONS		
Type Facility	Description	Address
Water Treatment Plant (WTP) Facilities		
WTP	LESTER-WTP	2970 RIMPAU AVE
WTP	SDO-WTP	2940 WILDERNESS CIR
WTP	DESALTER-WTP	745 CORPORATION YARD WAY
WTP	HG ION EXCHANGE WTP	410 RIMPAU AVE
Water Reclamation Facilities (WRF)		
WRF	WRF#1-RAILROAD	2205 RAILROAD STREET
WRF	WRF#2-HARRISON	650 E HARRISON
WRF	WRF#3-TEMESCAL	3997 TEMESCAL CYN
Boosters		
Booster	ZONE 6 @ EAGLE GLEN	1602 FAIRWAY
Booster	EAGLE GLEN ZONE 4/5	4255 EAGLE GLEN
Booster	AQUINO-BOOSTER	1030 AQUINO CIR
Booster	BORDER-BOOSTER	2290 BORDER AVE
Booster	CHASE/LESTER (raw) -BOOSTER	1315 E. CHASE DR.
Booster	CRESTA VERDE-BOOSTER	2005 PROMENADE
Booster	GREENRIVER-BOOSTER	4130 GREENRIVER DR
Booster	KRAFT RANCH-BOOSTER	1725 OAKRIDGE DR
Booster	MABEY CYN-BOOSTER	2643 BORDER AVENUE
Booster	MONTANA RANCH-BOOSTER	2930 WILDERNESS CIR
Booster	PAYETTE-BOOSTER	881 PAYETTE AVE
Booster	SDO-BOOSTER (raw water)	1670 MONTANA RANCH
Booster	SERFAS CLUB-BOOSTER	1290 SERFAS CLUB DR
Booster	ZONE 4 @ LESTER-BOOSTER	2930 WILDERNESS CIR
Booster	ZONE 5 @ LESTER-BOOSTER	2970 RIMPAU
Booster	HARLAN HILLS	3440 BONNIEVIEW CIRCLE
Booster	MORITA	755 MORITA
Booster	SIERRA BELLA BOOSTER	2690 HIDDEN HILLS WAY
RW Booster	BORDER	2525 BORDER AVE
RW Booster	WRF 1 RECLAIMED BOOSTER	2201 RAILROAD STREET

APPENDIX

City Facility Locations Attachment A

Wells		
Well	WELL 3	24650 GLEN IVY RD
Well	WELL 7A	917 CIRCLE CITY DR
Well	WELL 8A	219 S. JOY
Well	WELL 9A	505 S. VICENTIA
Well	WELL 11	1865 POMONA RD
Well	WELL 12A	523 MAPLE ST
Well	WELL 13	1018 COTTONWOOD
Well	WELL 14	1200 W. 10TH ST
Well	WELL 15	100 N. LINCOLN
Well	WELL 17A	1052 QUARRY
Well	WELL 19	219 W. GRAND
Well	WELL 20	25225 MAITRI RD
Well	WELL 21	24650 GLEN IVY RD
Well	WELL 22	405 SIERRA VISTA AVE
Well	WELL 25	310 S. VICENTIA
Well	WELL 26	730 CORP. YARD WAY
Well	WELL 27	2581 MANGULAR
Well	WELL 28	202 N. BUENA VISTA
Well	WELL 29	902 RAILROAD
Well	WELL 31	211 N. BUENA VISTA
Well	WELL 33	3822 GRANT ST

Lift Stations		
Lift Station	ARTISAN - LIFT STATION	211 W. RINCON STREET
Lift Station	AHMANSON - LIFT STATION	11763 CHADWICK RD
Lift Station	AIRPORT - LIFT STATION	1973 AVIATION DR
Lift Station	GRIFFIN WAY - LIFT STATION	2680 GRIFFIN
Lift Station	JOY & PARKRIDGE - LIFT STATION	495 E. PARKRIDGE
Lift Station	MCKINLEY - LIFT STATION	109 MCKINLEY
Lift Station	PRADO - LIFT STATION	4225 PRADO
Lift Station	SDO - LIFT STATION	3851 PALISADES
Lift Station	SMITH & RINCON - LIFT STATION	1500 W RINCON
Lift Station	STAGECOACH - LIFT STATION	2220 STAGECOACH
Lift Station	SUNKIST - LIFT STATION	650 E. HARRISON
Lift Station	N MAIN - LIFT STATION	718 N MAIN STREET
Lift Station	GREENRIVER - LIFT STATION	4776 GOLDEN RIDGE DRIVE
Lift Station	ARANTINE HILLS - LIFT STATION	2590 BEDFORD CANYON RD

Blending Stations		
Blending	GARRETSON BOOSTER/BLENDING/WST	506 E. ONTARIO AVE



RFP SUMMARY

Purchasing Division | Finance Department

DATE:	August 17, 2022
SUBJECT:	RFP Results

RFP No.: RFP 22-045RH
RFP Name: Citywide Utilities Facilities Arc Flash Study Consulting Services
RFP Open Date: 04/11/2022 12:57 PM (PDT)
RFP Close Date: 05/18/2022 10:00 AM (PDT)
Advertised Date: April 13, 2022
No. of Vendors solicited: 32
No. of Proposals received: 4

Rank	Company	City/State
1	Commonwealth Associates, Inc	Jackson, Michigan
2	ACSE	Montebello, California
3	Halco Service Corporation	Los Angeles, California
4	Electric Power Systems International Incorporated	Santa Ana, California

Proposals were evaluated, and this summary is provided as a matter of information only.

A contract award to the highest-ranked proposal is tentative upon final approval of the City's authorized contracting party.

The highest-ranked proposal was submitted by Commonwealth Associates, Inc., Jackson, Michigan.

Sign below if you concur with the proposal results, fill in the Tentative Council Date and wish to proceed to City Council for action and an award of a contract and purchase order to Commonwealth Associates, Inc.

Tentative Council Date: _____

Approved By: _____

DocuSignature Approval

Name

Title

**CITY OF CORONA
PROFESSIONAL SERVICES AGREEMENT
WITH COMMONWEALTH ASSOCIATES, INC.
(ARC FLASH STUDY SERVICES FOR CORONA UTILITIES FACILITIES – RFP 22-045RH)**

1. PARTIES AND DATE.

This Agreement is made and entered into this 16th day of November, 2022 (“Effective Date”) by and between the City of Corona, a municipal corporation organized under the laws of the State of California with its principal place of business at 400 South Vicentia Avenue, Corona, California 92882 (“City”) and Commonwealth Associates, Inc., a Michigan Corporation with its principal place of business at 2700 W. Argyle Street, Jackson, MI 49202 (“Consultant”). City and Consultant are sometimes individually referred to as “Party” and collectively as “Parties” in this Agreement.

2. RECITALS.

2.1 Consultant.

Consultant desires to perform and assume responsibility for the provision of certain professional services required by the City on the terms and conditions set forth in this Agreement. Consultant represents that it is experienced in providing professional arc flash study consulting services to public clients, is licensed in the State of California, and is familiar with the plans of City.

2.2 Project.

City desires to engage Consultant to render such services for the Arc Flash Study Services for Corona Utilities Facilities – RFP 22-045RH project (“Project”) as set forth in this Agreement.

2.3 Corona Utility Authority.

Consultant understands that the City has entered into a Water Enterprise Management Agreement and a Wastewater Enterprise Management Agreement, both dated as of February 6, 2002, with the Corona Utility Authority (“CUA”) for the maintenance, management and operation of those utility systems (collectively, the “CUA Management Agreements”). To the extent that this Agreement is deemed to be a "material contract" under either of the CUA Management Agreements, City enters into this Agreement on behalf of the CUA and subject to the terms of the applicable CUA Management Agreement(s).

3. TERMS.

3.1 Scope of Services and Term.

3.1.1 General Scope of Services. Consultant promises and agrees to furnish to the City all labor, materials, tools, equipment, services, and incidental and customary work necessary to fully and adequately supply the professional arc flash study consulting services necessary for the Project (“Services”). The Services are more particularly described in Exhibit “A” attached hereto and incorporated herein by reference. All Services shall be subject to, and performed in accordance with, this Agreement, the exhibits attached hereto and incorporated herein by reference, and all applicable local, state and federal laws, rules, and regulations.

3.1.2 Term. The term of this Agreement shall be from November 16, 2022 to June 30, 2023 (“Term”), unless earlier terminated as provided herein. Consultant shall complete the Services within the Term of this Agreement, and shall meet any other established schedules and deadlines. The Parties may, by mutual, written consent, extend the Term of this Agreement one or more times by executing a written amendment pursuant to Section 3.6.8 below (each a “Renewal Term”). The terms “Term” and “Renewal Term” may sometimes be generally and collectively referred to as “Term” in this Agreement.

3.2 Responsibilities of Consultant.

3.2.1 Control and Payment of Subordinates; Independent Contractor. The Services shall be performed by Consultant or under its supervision. Consultant will determine the means, methods and details of performing the Services subject to the requirements of this Agreement. City retains Consultant on an independent contractor basis and not as an employee. Consultant retains the right to perform similar or different services for others during the Term of this Agreement. Any additional personnel performing the Services under this Agreement on behalf of Consultant shall also not be employees of City and shall at all times be under Consultant’s exclusive direction and control. Consultant shall pay all wages, salaries, and other amounts due such personnel in connection with their performance of Services under this Agreement and as required by law. Consultant shall be responsible for all reports and obligations respecting such additional personnel, including, but not limited to: social security taxes, income tax withholding, unemployment insurance, disability insurance, and workers’ compensation insurance.

3.2.2 Schedule of Services. Consultant shall perform the Services within the Term of this Agreement, in accordance with the Schedule of Services set forth in Exhibit “B” attached hereto and incorporated herein by reference, and in accordance with any other completion schedule or milestones which may be separately agreed upon in writing by the Parties. Consultant represents that it has the professional and technical personnel required to perform the Services in conformance with such conditions. In order to facilitate Consultant’s conformance with the Schedule, City shall respond to Consultant’s submittals in a timely manner. Upon request of City, Consultant shall provide a more detailed schedule of anticipated performance to meet the Schedule of Services.

3.2.3 Conformance to Applicable Requirements. All Services performed by Consultant shall be subject to the approval of City.

3.2.4 Substitution of Key Personnel. Consultant has represented to City that certain key personnel will perform and coordinate the Services under this Agreement. Should one or more of such personnel become unavailable, Consultant may substitute other personnel of at least equal competence upon written approval of City. In the event that City and Consultant cannot agree as to the substitution of key personnel, City shall be entitled to terminate this Agreement for cause. As discussed below, any personnel who fail or refuse to perform the Services in a manner acceptable to the City, or who are determined by the City to be uncooperative, incompetent, a threat to the adequate or timely completion of the Project or a threat to the safety of persons or property, shall be promptly removed from the Project by the Consultant at the request of the City. The key personnel for performance of this Agreement are as follows: Kristi Vilminot, P.E..

3.2.5 City's Representative. The City hereby designates Tom Moody, or his or her designee, to act as its representative for the performance of this Agreement ("City's Representative"). City's Representative shall have the power to act on behalf of the City for all purposes under this Contract. Consultant shall not accept direction or orders from any person other than the City's Representative or his or her designee.

3.2.6 Consultant's Representative. Consultant hereby designates Kristi Vilminot, P.E, or his or her designee, to act as its representative for the performance of this Agreement ("Consultant's Representative"). Consultant's Representative shall have full authority to represent and act on behalf of the Consultant for all purposes under this Agreement. The Consultant's Representative shall supervise and direct the Services, using his best skill and attention, and shall be responsible for all means, methods, techniques, sequences, and procedures and for the satisfactory coordination of all portions of the Services under this Agreement.

3.2.7 Coordination of Services. Consultant agrees to work closely with City staff in the performance of Services and shall be available to City's staff, consultants and other staff at all reasonable times.

3.2.8 Standard of Care; Performance of Employees. Consultant shall perform all Services under this Agreement in a skillful and competent manner, consistent with the standards generally recognized as being employed by professionals in the same discipline in the State of California. Consultant represents and maintains that it is skilled in the professional calling necessary to perform the Services. Consultant agrees that all employees and subconsultants shall have sufficient skill and experience to perform the Services assigned to them. Finally, Consultant represents that it, its employees and subconsultants shall have all licenses, permits, qualifications and approvals of whatever nature that are legally required to perform the Services, including a City Business License, and that such licenses and approvals shall be maintained throughout the Term of this Agreement. As provided for in the indemnification provisions of this Agreement, Consultant shall perform, at its own cost and expense and without reimbursement from the City, any services necessary to correct errors or omissions which are caused by the Consultant's failure to comply with the standard of care provided for herein. Any employee of the Consultant or its sub-consultants who is determined

by the City to be uncooperative, incompetent, a threat to the adequate or timely completion of the Project, a threat to the safety of persons or property, or any employee who fails or refuses to perform the Services in a manner acceptable to the City, shall be promptly removed from the Project by the Consultant and shall not be re-employed to perform any of the Services or to work on the Project.

3.2.9 Laws and Regulations; Employee/Labor Certifications. Consultant shall keep itself fully informed of and in compliance with all local, state and federal laws, rules and regulations in any manner affecting the performance of the Project or the Services, including all Cal/OSHA requirements, and shall give all notices required by law. Consultant shall be liable for all violations of such laws and regulations in connection with Services. If the Consultant performs any work or Services knowing them to be contrary to such laws, rules and regulations and without giving written notice to the City, Consultant shall be solely responsible for all costs arising therefrom. Consultant shall defend, indemnify and hold City, its officials, directors, officers, employees, and agents free and harmless, pursuant to the indemnification provisions of this Agreement, from any claim or liability arising out of any failure or alleged failure to comply with such laws, rules or regulations.

3.2.9.1 Employment Eligibility; Consultant. By executing this Agreement, Consultant verifies that it fully complies with all requirements and restrictions of state and federal law respecting the employment of undocumented aliens, including, but not limited to, the Immigration Reform and Control Act of 1986, as may be amended from time to time. Such requirements and restrictions include, but are not limited to, examination and retention of documentation confirming the identity and immigration status of each employee of the Consultant. Consultant also verifies that it has not committed a violation of any such law within the five (5) years immediately preceding the date of execution of this Agreement, and shall not violate any such law at any time during the Term of the Agreement. Consultant shall avoid any violation of any such law during the Term of this Agreement by participating in an electronic verification of work authorization program operated by the United States Department of Homeland Security, by participating in an equivalent federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, or by some other legally acceptable method. Consultant shall maintain records of each such verification, and shall make them available to the City or its representatives for inspection and copy at any time during normal business hours. The City shall not be responsible for any costs or expenses related to Consultant's compliance with the requirements provided for in Section 3.2.9 or any of its sub-sections.

3.2.9.2 Employment Eligibility; Subcontractors, Consultants, Sub-subcontractors and Subconsultants. To the same extent and under the same conditions as Consultant, Consultant shall require all of its subcontractors, consultants, sub-subcontractors and subconsultants performing any work or Services relating to the Project or this Agreement to make the same verifications and comply with all requirements and restrictions provided for in Section 3.2.9.1.

3.2.9.3 Employment Eligibility; Failure to Comply. Each person executing this Agreement on behalf of Consultant verifies that they are a duly authorized officer of Consultant, and understands that any of the following shall be grounds for the City to

terminate the Agreement for cause: (1) failure of Consultant or its subcontractors, consultants, sub-subcontractors or subconsultants to meet any of the requirements provided for in Sections 3.2.9.1 or 3.2.9.2; (2) any misrepresentation or material omission concerning compliance with such requirements (including in those verifications provided to the Consultant under Section 3.2.9.2); or (3) failure to immediately remove from the Project any person found not to be in compliance with such requirements.

3.2.9.4 Labor Certification. By its signature hereunder, Consultant certifies that it is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and agrees to comply with such provisions before commencing the performance of the Services.

3.2.9.5 Equal Opportunity Employment. Consultant represents that it is an equal opportunity employer and it shall not discriminate against any subconsultant, employee or applicant for employment because of race, religion, color, national origin, handicap, ancestry, sex or age. Such non-discrimination shall include, but not be limited to, all activities related to initial employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff or termination. Consultant shall also comply with all relevant provisions of City's Minority Business Enterprise program, Affirmative Action Plan or other related programs or guidelines currently in effect or hereinafter enacted.

3.2.9.6 Air Quality. To the extent applicable, Consultant must fully comply with all applicable laws, rules and regulations in furnishing or using equipment and/or providing services, including, but not limited to, emissions limits and permitting requirements imposed by the South Coast Air Quality Management District (SCAQMD) and/or California Air Resources Board (CARB). Although the SCAQMD and CARB limits and requirements are more broad, Consultant shall specifically be aware of their application to "portable equipment", which definition is considered by SCAQMD and CARB to include any item of equipment with a fuel-powered engine. Consultant shall indemnify City against any fines or penalties imposed by SCAQMD, CARB, or any other governmental or regulatory agency for violations of applicable laws, rules and/or regulations by Consultant, its subconsultants, or others for whom Consultant is responsible under its indemnity obligations provided for in this Agreement.

3.2.10 Insurance.

3.2.10.1 Time for Compliance. Promptly following the Effective Date of this Agreement, but in no event before Consultant commences any Services under this Agreement, Consultant shall provide evidence satisfactory to the City that it has secured all insurance required under this section. Failure to provide and maintain all required insurance shall be grounds for the City to terminate this Agreement for cause.

3.2.10.2 Minimum Requirements. Consultant shall, at its expense, procure and maintain for the duration of the Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the Agreement by the Consultant, its agents, representatives, employees or subconsultants. Consultant shall also require all of its subconsultants to procure and maintain the same insurance for the duration of the Agreement. Such insurance shall meet at least the following minimum levels of coverage:

(A) Minimum Scope of Insurance. Coverage shall be at least as broad as the latest version of the following: (1) *General Liability*: Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001); (2) *Automobile Liability*: Insurance Services Office Business Auto Coverage form number CA 0001, code 1 (any auto), or if Consultant has no owned autos, Code 8 (hired) and 9 (non-owned); and (3) *Workers' Compensation and Employer's Liability*: Workers' Compensation insurance as required by the State of California and Employer's Liability Insurance.

(B) Minimum Limits of Insurance. Consultant shall maintain limits no less than: (1) *General Liability*: \$1,000,000 per occurrence for bodily injury, personal injury, advertising injury and property damage. If Commercial General Liability Insurance or other form with general aggregate limit is used including, but not limited to, form CG 2503, either the general aggregate limit shall apply separately to this Agreement/location or the general aggregate limit shall be twice the required occurrence limit; (2) *Automobile Liability*: \$1,000,000 per accident for bodily injury and property damage; and (3) *Workers' Compensation and Employer's Liability*: Workers' Compensation limits as required by the Labor Code of the State of California. Employer's Liability limits of \$1,000,000 per accident for bodily injury or disease.

3.2.10.3 Professional Liability. Consultant shall procure and maintain, and require its sub-consultants to procure and maintain, for a period of five (5) years following completion of the Project, errors and omissions liability insurance appropriate to their profession. Such insurance shall be in an amount not less than \$1,000,000 per occurrence or claim, \$2,000,000 aggregate minimum: per claim.

3.2.10.4 Insurance Endorsements. The insurance policies shall contain or be endorsed (amended) to include the following provisions:

(A) General Liability. The general liability policy shall state that: (1) the City, its directors, officials, officers, employees, agents, and volunteers shall be covered as additional insured with respect to liability arising out of work or operations performed

by or on behalf of the Consultant, including materials, parts or equipment furnished in connection therewith (the endorsement form shall be at least as broad as ISO Form CG 20 10 11 85 or both CG 20 37 and one of the following: CG 20 10, CG 20 26, CG 20 33 or CG 20 38); and (2) the insurance coverage shall be primary insurance coverage as respects the City, its directors, officials, officers, employees, agents, and volunteers (the endorsement form shall be at least as broad as ISO CG 20 01 04 13). Any insurance or self-insurance maintained by the City, its directors, officials, officers, employees, agents, and volunteers shall be excess of the Consultant's insurance and shall not be called upon to contribute with it in any way.

(B) Waiver of Subrogation – Workers' Compensation and Employer's Liability Coverage. The insurer shall agree to waive all rights of subrogation against the City, its directors, officials, officers, employees, agents, and volunteers for losses paid under the terms of the insurance policy which arise from work or Services performed by the Consultant.

(C) All Coverages. If Consultant maintains broader coverage and/or higher limits than the minimums shown above, the City is entitled to the broader coverage and/or higher limits maintained by Consultant. Thus, any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the City.

3.2.10.5 Other Provisions; Endorsements Preferred. Consultant shall endeavor to provide endorsements regarding the following provisions, but nonetheless understands, acknowledges and agrees that the following provisions shall apply and that failure to comply shall be considered to be a breach of this Agreement by Consultant:

(A) Waiver of Subrogation – All Other Policies. Consultant hereby waives all rights of subrogation any insurer of Consultant's may acquire against the City, its directors, officials, officers, employees, agents, and volunteers for losses paid under the terms of any insurance policy which arise from work or Services performed by the Consultant. Consultant understands, acknowledges and agrees that this provision is in full force and effect even if the City does not receive a waiver of subrogation endorsement from the insurer.

(B) Notice. Consultant shall either: (1) require its insurer to provide thirty (30) days prior written notice to the City before coverage is suspended, voided, or canceled; or (2) notify City in writing that such notice is not available and forward any notice of such actions to the City within two (2) business days from date of receipt by Consultant. Consultant understands, acknowledges and agrees that this provision is in full force and effect even if the City does not receive a waiver of subrogation endorsement from the insurer.

3.2.10.6 Claims Made Policies. The following provisions shall apply to all policies that provide coverage on a claims-made basis: (A) the retroactive date must be shown and must be before the date on which any Services under this Agreement commence; (B) the insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the Project; and (C) if coverage is canceled or not renewed and is not replaced with another claims-made policy with a retroactive date prior to the date on which any Services under this Agreement commence, Consultant must purchase "extended reporting" coverage for a minimum of five (5) years after completion of Project.

3.2.10.7 Deductibles and Self-Insurance Retentions. Any deductibles or self-insured retentions must be declared to and approved by the City. The City may require the Consultant to provide proof of ability to pay losses and related investigation, claims administration and defense expenses within the deductible or self-insured retention. The deductible or self-insured retention may be satisfied by either the named insured or the City.

3.2.10.8 Acceptability of Insurers. Unless under the circumstances a different rating is otherwise acceptable to the City in its sole and absolute discretion, insurance is to be placed with insurers which are satisfactory to the City and which meet either of the following criteria : (1) an insurer with a current A.M. Best's rating no less than A-:VII and licensed as an admitted insurance carrier in California; or (2) an insurer with a current A.M. Best's rating no less than A-:X and authorized to issue the required policies in California.

3.2.10.9 Verification of Coverage. Consultant shall furnish City with original certificates of insurance, as well as amendatory endorsements or copies of the applicable policy language effecting coverage required by this Agreement. All documents must be received and approved by the City before any Services commence; provided, however, that failure to obtain the required documents prior to the commencement of Services shall not waive Consultant's obligation to provide them. The City reserves the right to require complete, certified copies of all required insurance policies, at any time.

3.2.10.10 Reporting of Claims. Consultant shall report to the City, in addition to Consultant's insurer, any and all insurance claims submitted by Consultant in connection with the Services under this Agreement.

3.2.10.11 Sub-Consultants. All sub-consultants shall comply with each and every insurance provision of this Section 3.2.10. Consultant shall therefore not allow any sub-consultant to commence work on any subcontract to perform any part of the Services until it has provided evidence satisfactory to the City that the sub-consultant has secured all insurance required under this Agreement.

3.2.10.12 Special Risk or Circumstances. The City reserves the right, in its sole and absolute discretion, to modify the requirements of this Section 3.2.10, including limits, based on any of the following: (A) the nature of the risk of the Services; (B) the prior experience of the insured; (C) the rating or other quality or characteristic of the insurer; (D) any special or unique coverage issues; and (E) any other special or unique circumstances.

3.2.11 Safety. Consultant shall execute and maintain its work and Services so as to avoid injury or damage to any person or property. In carrying out its Services, the Consultant shall at all times be in compliance with all applicable local, state and federal laws, rules and regulations, and shall exercise all necessary precautions for the safety of employees appropriate to the nature of the Services and the conditions under which the Services are to be performed.

3.2.12 Payment Bond. The California Department of Industrial Relations ("DIR") has communicated to the City that there is a possibility that a payment bond may be required for certain services provided in connection with a public works project. Since such a

requirement is currently contrary to the industry standard for the services provided by Consultant under this Agreement and since there is no direct legal authority for this position, the City is not requiring Consultant to provide a payment bond at this time. However, the City hereby reserves the right to require the Consultant to obtain and provide a payment bond for some or all of the Project provided by the Consultant under this Agreement.

If the City determines that a payment bond is required for the Project pursuant to Civil Code Section 9550 or any other applicable law, rule or regulation, Consultant shall execute and provide to City a payment bond in an amount required by the City and in a form provided or approved by the City. In the event a payment bond is required, the City agrees to compensate Consultant for all documented direct costs incurred by Consultant for such payment bond. The Parties shall memorialize the terms of such additional compensation and any other terms and conditions associated with the payment bond in an amendment to this Agreement.

3.2.13 Accounting Records. Consultant shall maintain complete and accurate records with respect to all costs and expenses incurred under this Agreement. All such records shall be clearly identifiable. Consultant shall allow a representative of City during normal business hours to examine, audit, and make transcripts or copies of such records and any other documents created pursuant to this Agreement. Consultant shall allow inspection of all work, data, documents, proceedings, and activities related to the Agreement for a period of three (3) years from the date of final payment under this Agreement.

3.3 Fees and Payments.

3.3.1 Rates & Total Compensation. Consultant shall receive compensation, including authorized reimbursements, for all Services rendered under this Agreement at the rates set forth in Exhibit "C" attached hereto and incorporated herein by reference. The total compensation, including authorized reimbursements, shall not exceed Three Hundred and Ten Thousand One Hundred and Sixty-Eight Dollars (\$310,168.00) ("Total Compensation"), without written approval of City's Representative. Extra Work may be authorized, as described below, and if authorized, will be compensated at the rates and manner set forth in this Agreement.

3.3.2 Payment of Compensation. Consultant shall submit to City a monthly itemized statement which indicates work completed and hours of Services rendered by Consultant. The statement shall describe the amount of Services and supplies provided since the initial commencement date, or since the start of the subsequent billing periods, as appropriate, through the date of the statement. City shall, within 30 days of receiving such statement, review the statement and pay all approved charges thereon.

3.3.3 Reimbursement for Expenses. Consultant shall not be reimbursed for any expenses unless authorized in writing by City.

3.3.4 Extra Work. At any time during the Term of this Agreement, City may request that Consultant perform Extra Work. As used herein, "Extra Work" means any work which is determined by City to be necessary for the proper completion of the Project, but which the Parties did not reasonably anticipate would be necessary at the execution of this Agreement.

Consultant shall not perform, nor be compensated for, Extra Work without written authorization from City's Representative.

3.3.5 Prevailing Wages. Consultant is aware of the requirements of Chapter 1 (beginning at Section 1720 et seq.) of Part 7 of Division 2 of the California Labor Code, as well as Title 8, Section 16000 et seq. of the California Code of Regulations ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on "public works" and "maintenance" projects. If the Services are being performed as part of an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and if the Total Compensation is \$1,000 or more, Consultant and its subconsultants shall fully comply with the Prevailing Wage Laws for their employees and any others to whom such laws are applicable. Consultant and its subconsultants shall also be responsible for any and all violations and fines imposed on them pursuant to the Prevailing Wage Laws. Pursuant to SB 854, which amended the Prevailing Wage Laws, this Agreement would also be subject to compliance monitoring and enforcement by the California Department of Industrial Relations ("DIR"). Beginning April 1, 2015, no consultant or subconsultant may be awarded this Agreement unless registered with the DIR pursuant to Labor Code Section 1725.5. The City will report all necessary agreements to the DIR as required by the Prevailing Wage Laws. Consultant shall make copies of the prevailing rates of per diem wages for each craft, classification or type of worker needed to execute the Services available to interested parties upon request, and shall post copies at the Consultant's principal place of business and at the Project site. It is most efficient for the Consultant to obtain a copy of the prevailing wages in effect at the commencement of this Agreement from the website of the Division of Labor Statistics and Research of the DIR located at www.dir.ca.gov/dlsr/. In the alternative, Consultant may obtain a copy of the prevailing wages from the City's Representative. Consultant shall defend, indemnify and hold the City, its elected officials, officers, employees and agents free and harmless from any claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws.

3.3.6 Apprenticeable Crafts. If the project is being performed as part of an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, Consultant shall comply with the provisions of Section 1777.5 of the California Labor Code with respect to the employment of properly registered apprentices upon public works when Consultant employs workmen in an apprenticeable craft or trade. The primary responsibility for compliance with said section for all apprenticeable occupations shall be with Consultant.

3.4 Termination of Agreement.

3.4.1 Grounds for Termination. City may, by written notice to Consultant, terminate the whole or any part of this Agreement at any time and without cause by giving written notice to Consultant of such termination, and specifying the effective date thereof, at least seven (7) days before the effective date of such termination. Upon termination, Consultant shall be compensated only for those Services which have been adequately rendered to City, as well as any authorized reimbursable expenses, and Consultant shall be entitled to no further compensation. Consultant may not terminate this Agreement except for cause.

3.4.2 Effect of Termination. If this Agreement is terminated as provided herein, City may require Consultant to provide all finished or unfinished Documents and Data and other information of any kind prepared by Consultant in connection with the performance of Services under this Agreement. Consultant shall be required to provide such document and other information within fifteen (15) days of the request.

3.4.3 Additional Services. In the event this Agreement is terminated in whole or in part as provided herein, City may procure, upon such terms and in such manner as it may determine appropriate, services similar to those terminated.

3.5 Ownership of Materials and Confidentiality.

3.5.1 Documents & Data; Licensing of Intellectual Property. This Agreement creates a non-exclusive and perpetual license for City to copy, use, modify, reuse, or sublicense any and all copyrights, designs, and other intellectual property embodied in plans, specifications, studies, drawings, estimates, and other documents or works of authorship fixed in any tangible medium of expression, including but not limited to, physical drawings or data magnetically, electronically or otherwise recorded or stored, which are prepared or caused to be prepared by Consultant under this Agreement (“Documents & Data”). All Documents & Data shall be and remain the property of City, and shall not be used in whole or in substantial part by Consultant on other projects without the City's express written permission. Within thirty (30) days following the completion, suspension, abandonment or termination of this Agreement, Consultant shall provide to City reproducible copies of all Documents & Data, in a form and amount required by City. City reserves the right to select the method of document reproduction and to establish where the reproduction will be accomplished. The reproduction expense shall be borne by City at the actual cost of duplication. In the event of a dispute regarding the amount of compensation to which the Consultant is entitled under the termination provisions of this Agreement, Consultant shall provide all Documents & Data to City upon payment of the undisputed amount. Consultant shall have no right to retain or fail to provide to City any such documents pending resolution of the dispute. In addition, Consultant shall retain copies of all Documents & Data on file for a minimum of five (5) years following completion of the Project, and shall make copies available to City upon the payment of actual reasonable duplication costs. In addition, before destroying the Documents & Data following this retention period, Consultant shall make a reasonable effort to notify City and provide City with the opportunity to obtain the documents.

3.5.2 Subconsultants. Consultant shall require all subconsultants to agree in writing that City is granted a non-exclusive and perpetual license for any Documents & Data the subconsultant prepares under this Agreement. Consultant represents and warrants that Consultant has the legal right to license any and all Documents & Data. Consultant makes no such representation and warranty in regard to Documents & Data which were prepared by design professionals other than Consultant or its subconsultants, or those provided to Consultant by the City.

3.5.3 Right to Use. City shall not be limited in any way in its use or reuse of the Documents and Data or any part of them at any time for purposes of this Project or another project, provided that any such use not within the purposes intended by this Agreement or on a

project other than this Project without employing the services of Consultant shall be at City's sole risk. If City uses or reuses the Documents & Data on any project other than this Project, it shall remove the Consultant's seal from the Documents & Data and indemnify and hold harmless Consultant and its officers, directors, agents and employees from claims arising out of the negligent use or re-use of the Documents & Data on such other project. Consultant shall be responsible and liable for its Documents & Data, pursuant to the terms of this Agreement, only with respect to the condition of the Documents & Data at the time they are provided to the City upon completion, suspension, abandonment or termination. Consultant shall not be responsible or liable for any revisions to the Documents & Data made by any party other than Consultant, a party for whom the Consultant is legally responsible or liable, or anyone approved by the Consultant.

3.5.4 Indemnification. Consultant shall defend, indemnify and hold the City, its directors, officials, officers, employees, volunteers and agents free and harmless, pursuant to the indemnification provisions of this Agreement, for any alleged infringement of any patent, copyright, trade secret, trade name, trademark, or any other proprietary right of any person or entity in consequence of the use on the Project by City of the Documents & Data, including any method, process, product, or concept specified or depicted.

3.5.5 Confidentiality. All Documents & Data, either created by or provided to Consultant in connection with the performance of this Agreement, shall be held confidential by Consultant. All Documents & Data shall not, without the prior written consent of City, be used or reproduced by Consultant for any purposes other than the performance of the Services. Consultant shall not disclose, cause or facilitate the disclosure of the Documents & Data to any person or entity not connected with the performance of the Services or the Project. Nothing furnished to Consultant that is otherwise known to Consultant or is generally known, or has become known, to the related industry shall be deemed confidential. Consultant shall not use City's name or insignia, photographs of the Project, or any publicity pertaining to the Services or the Project in any magazine, trade paper, newspaper, television or radio production or other similar medium without the prior written consent of City.

3.6 General Provisions.

3.6.1 Delivery of Notices. All notices permitted or required under this Agreement shall be given to the respective Parties at the following address, or at such other address as the respective Parties may provide in writing for this purpose:

Consultant:

Commonwealth Associates, Inc.
2700 W. Argyle Street
Jackson, MI 49202
Attn: Kristi Vilminot, P.E

City:

City of Corona
400 South Vicentia Avenue
Corona, CA 92882

Attn: Tom Moody, Utilities Department

Such notice shall be deemed made when personally delivered or when mailed, forty-eight (48) hours after deposit in the U.S. Mail, first class postage prepaid and addressed to the Party at its applicable address. Actual notice shall be deemed adequate notice on the date actual notice occurred, regardless of the method of service.

3.6.2 Indemnification. To the fullest extent permitted by law, Consultant shall defend (with counsel of City's choosing), indemnify and hold the City, its directors, officials, officers, employees, volunteers and agents free and harmless from any and all claims, demands, causes of action, costs, expenses, liability, loss, damage or injury of any kind, in law or equity, to property or persons, including wrongful death, to the extent arising out of, pertaining to, or incident to any alleged willful misconduct or negligent acts, errors or omissions of Consultant, its officials, officers, employees, subcontractors, consultants or agents in connection with the performance of the Consultant's Services, the Project or this Agreement, including without limitation the payment of all settlement amounts, expert witness fees and attorneys fees and other related costs and expenses. Notwithstanding the foregoing, to the extent Consultant's Services are subject to Civil Code Section 2782.8, the above indemnity shall be limited, to the extent required by Civil Code Section 2782.8, to claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant. Consultant's obligation to indemnify shall survive expiration or termination of this Agreement, and shall not be restricted to insurance proceeds, if any, received by the City, its directors, officials officers, employees, agents, or volunteers.

3.6.3 Governing Law; Government Code Claim Compliance. This Agreement shall be governed by the laws of the State of California. Venue shall be in Riverside County. In addition to any and all contract requirements pertaining to notices of and requests for compensation or payment for extra work, disputed work, claims and/or changed conditions, Consultant must comply with the claim procedures set forth in Government Code Sections 900 et seq. prior to filing any lawsuit against the City. Such Government Code claims and any subsequent lawsuit based upon the Government Code claims shall be limited to those matters that remain unresolved after all procedures pertaining to extra work, disputed work, claims, and/or changed conditions have been followed by Consultant. If no such Government Code claim is submitted, or if any prerequisite contractual requirements are not otherwise satisfied as specified herein, Consultant shall be barred from bringing and maintaining a valid lawsuit against the City.

3.6.4 Time of Essence. Time is of the essence for each and every provision of this Agreement.

3.6.5 City's Right to Employ Other Consultants. City reserves right to employ other consultants in connection with this Project.

3.6.6 Successors and Assigns. This Agreement shall be binding on the successors and assigns of the Parties.

3.6.6.1 Subconsultants; Assignment or Transfer. Consultant shall not subcontract any portion of the Services required under this Agreement, except as expressly authorized herein, without the prior written approval of the City. Subcontracts, if any, shall include a provision making them subject to all provisions of this Agreement. Consultant shall also not assign, hypothecate or transfer, either directly or by operation of law, this Agreement or any interest herein without the prior written consent of the City. Any attempt to subcontract or take any other action not authorized herein shall be null and void, and any subconsultants, assignees, hypothecates or transferees shall acquire no right or interest by reason of such action.

3.6.6.2 Corona Utility Authority. To the extent that this Agreement is deemed to be a "material contract" under either of the CUA Management Agreements, Consultant has no right to terminate this Agreement, either with or without cause, based upon the existence or non-existence of either or both of the CUA Management Agreements. Therefore, if an applicable CUA Management Agreement expires or terminates for any reason, Consultant shall remain fully obligated to perform under this Agreement with the CUA or another third party contracted by the CUA for the maintenance, management and operation of the applicable utility system.

3.6.7 Construction; References; Captions. Since the Parties or their agents have participated fully in the preparation of this Agreement, the language of this Agreement shall be construed simply, according to its fair meaning, and not strictly for or against any Party. Any term referencing time, days or period for performance shall be deemed calendar days and not work days. All references to Consultant include all personnel, employees, agents, and subconsultants of Consultant, except as otherwise specified in this Agreement. All references to City include its elected officials, officers, employees, agents, and volunteers except as otherwise specified in this Agreement. The captions of the various articles and paragraphs are for convenience and ease of reference only, and do not define, limit, augment, or describe the scope, content or intent of this Agreement.

3.6.8 Amendment; Modification. No supplement, modification or amendment of this Agreement shall be binding unless executed in writing and signed by both Parties.

3.6.9 Waiver. No waiver of any default shall constitute a waiver of any other default or breach, whether of the same or other covenant or condition. No waiver, benefit, privilege, or service voluntarily given or performed by a Party shall give the other Party any contractual rights by custom, estoppel or otherwise.

3.6.10 No Third Party Beneficiaries. Except to the extent expressly provided for in Section 3.6.6, there are no intended third party beneficiaries of any right or obligation assumed by the Parties.

3.6.11 Invalidity; Severability. If any portion of this Agreement is declared invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions shall continue in full force and effect.

3.6.12 Prohibited Interests. Consultant maintains and warrants that it has not employed nor retained any company or person, other than a bona fide employee working solely

for Consultant, to solicit or secure this Agreement. Further, Consultant warrants that it has not paid nor has it agreed to pay any company or person, other than a bona fide employee working solely for Consultant, any fee, commission, percentage, brokerage fee, gift or other consideration contingent upon or resulting from the award or making of this Agreement. Consultant further agrees to file, or shall cause its employees or subconsultants to file, a Statement of Economic Interest with the City's Filing Officer as required under state law in the performance of the Services. For breach or violation of this warranty, City shall have the right to rescind this Agreement without liability. For the Term of this Agreement, no member, officer or employee of City, during the term of his or her service with City, shall have any direct interest in this Agreement, or obtain any present or anticipated material benefit arising therefrom.

3.6.13 Cooperation; Further Acts. The Parties shall fully cooperate with one another, and shall take any additional acts or sign any additional documents as may be necessary, appropriate or convenient to attain the purposes of this Agreement.

3.6.14 Attorney's Fees. If either Party commences an action against the other Party, either legal, administrative or otherwise, arising out of or in connection with this Agreement, the prevailing Party in such litigation shall be entitled to have and recover from the losing Party reasonable attorney's fees and all other costs of such action.

3.6.15 Authority to Enter Agreement. Consultant has all requisite power and authority to conduct its business and to execute, deliver, and perform the Agreement. Each Party warrants that the individuals who have signed this Agreement have the legal power, right, and authority to make this Agreement and bind each respective Party.

3.6.16 Counterparts. This Agreement may be signed in counterparts, each of which shall constitute an original.

3.6.17 Entire Agreement. This Agreement contains the entire Agreement of the Parties with respect to the subject matter hereof, and supersedes all prior negotiations, understandings or agreements. This Agreement may only be modified by a writing signed by both Parties.

[SIGNATURES ON NEXT 2 PAGES]

**CITY'S SIGNATURE PAGE FOR
CITY OF CORONA
PROFESSIONAL SERVICES AGREEMENT
WITH COMMONWEALTH ASSOCIATES, INC.
(ARC FLASH STUDY SERVICES FOR CORONA UTILITES FACILITIES – RFP 22-045RH)**

IN WITNESS WHEREOF, the Parties have entered into this Agreement as of the date first written above.

CITY OF CORONA

By: _____
Tom Moody
Director of Utilities

Reviewed By: _____
Katie Hockett
Assistant Director of Utilities

Reviewed By: _____
Aftab Hussain
Maintenance Manager

Attest:

Sylvia Edwards
City Clerk

**CONSULTANT’S SIGNATURE PAGE FOR
CITY OF CORONA
PROFESSIONAL SERVICES AGREEMENT
WITH COMMONWEALTH ASSOCIATES, INC.
(ARC FLASH STUDY SERVICES FOR CORONA UTILITES FACILITIES – RFP 22-045RH)**

IN WITNESS WHEREOF, the Parties have entered into this Agreement as of the date first written above.

COMMONWEALTH ASSOCIATES, INC.
a Michigan Corporation

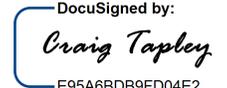
By: 
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Richard Collins

Insert Name

President & CEO

Insert Title (CEO, President, or Vice-President)

By: 
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Craig Tapley

Insert Name

CFO

Insert Title (CFO, Secretary, or Treasurer)

EXHIBIT “A” SCOPE OF SERVICES

Consultant promises and agrees to furnish to the City all labor, materials, tools, equipment, services, and incidental and customary work necessary to fully and adequately supply the professional arc flash study consulting services necessary for the Project (“Services”). The Services are more particularly described in this Exhibit.

A. Background:

There are approximately 63 offsite or remote locations that the awarded Consultant will study during the on-site field analysis portion of the Scope of Work. The sites are listed in “Attachment A” as part of this RFP and incorporated herein by this reference. Attachment A lists the offsite facilities by their name and address.

B. Goal/Purpose:

The City of Corona, Utilities Department is accepting proposals from experienced arc flash analysis contractors/consultants to perform electrical engineering services and analysis for 480v systems at City facilities in a variety of environments.

These services shall include, but are not limited to:

- Short circuit analysis
- Protective device coordination analysis
- Arc flash hazard analysis
- Interrupt rating analysis
- Customized electrical safety program
- Arc flash and shock hazard warning labels
- Create single drawing & formal drawing package
- Equipment is properly rated
- Identify potential hazards
- Breaker rating including trip point
- Labeling and PPE

The purpose of the work to be performed under this contract is to identify electrical arc flash hazards, remove and/or mitigate identified electrical arc flash hazards, to label appropriate electrical equipment, to provide safe work zones, provide recommendations to reduce the hazard risk, identify the appropriate personnel protective equipment (PPE) and provide a customized Electrical Safety Program, all in compliance with the latest National Fire Protection Association (NFPA) 70E.

The City reserve the right to contract with the awarded Consultant to perform additional arc flash analysis and other related services as mutually agreed by the parties.

C. Scope of Work Description:

This scope of work establishes the minimum requirements for providing Citywide Utilities Facilities Arc Flash Study Consulting Services to the City of Corona. The Contractor is required to meet all specifications listed herein, as minimum, and is required to submit a firm fixed cost for all commodities/services. The Contractor shall fully and timely provide all deliverables described herein in strict accordance with the terms, covenants, and conditions of the Contract and all applicable Federal, State, and local laws, rules, and regulations. The Contractor shall perform all work in accordance with current ANSI/ NETA MTS – 2019 or current - Section 9 for each facility to produce an Arc Flash Risk Assessment and a Shock Risk Assessment. Provide a report for all items surveyed and include photographs of each deficient item. The report shall be in accordance with NFPA 70E - 2021, IEEE 1584 - 2018 for calculations and label information. ANSI Z535.4 for arc flash and shock hazards warning labels. If standards have been updated use most current version. Contractor shall provide all labor, materials, and equipment to complete the Citywide Utilities Facilities Arc Flash Study Consulting Services for the City.

Permissible work hours are 7am to 5pm Monday through Thursday excluding City observed holidays. Any deviations will need to be pre-approved by the City's Representative.

(RFP) No.22-045RH Citywide Utilities Facilities Arc Flash Study Consulting Services:

Task 1 - Field Collection of Data

1. Determine arc flash incident energy levels and flash protection boundary distances for all listed facilities based on the results of the short circuit and coordination studies. Perform the arc flash analysis as per industry standards for arc flash conditions and all modes of operation.
2. All necessary information shall be gathered, and all electrical systems analyzed from the utility connection point to all equipment connections. All field technicians and/or service engineers shall be trained in electrical and arc flash safety and shall utilize their own PPE.
3. Services for each facility shall include but not limited to the following:
 - a. Perform field collection of data
 - The Consultant is required to collect all data on the existing facilities electrical equipment and is NOT to assume that any drawings or documentation exist to aid in the collection or analysis.
 - The Consultant shall verify single line diagrams, if available. If not available, the Consultant shall generate the appropriate detailed and accurate single line diagrams. Discrepancies found in the drawings shall be brought to City's Representative attention as a drawing markup.
4. Single Line Diagrams information shall include but not be limited to:
 - a. Electrical Structures
 - b. Voltages at each point
 - c. Short circuit available at each point
 - d. Horsepower ratings of each motor
 - e. Identify City, Utilities Department panels and equipment with standard name

Task 2 - Arc Flash Analysis

1. Consultant will be responsible to perform the short circuit, coordination, and interrupt rating studies which will proceed the Arc Flash analysis.
2. Consultant will determine the level of incident energy at each switchboard, motor control center (MCC), panel board and other electrical equipment requiring analysis.
3. Consultant shall determine if motor control buckets can be hot swapped and indicate as such on MCC arc flash 70E labels or specify on general use electrical safety labels.
4. OSHA 29 CFR-1910 Subpart S and NFPA 70E require that arc-flash hazard analysis be performed in incremented five-year periods or sooner whenever design implementations occur or circuit power arrangements are changed.
5. Indicate problems discovered while performing the studies. It must include the following:
 - a. Recommendations to mitigate arc flash hazards above Category 2
 - b. Identification of circuit protective devices with insufficient interrupt ratings
 - c. Identification of circuits not properly coordinated
 - d. One-Line drawings of all equipment surveyed
 - e. Table of calculated arc flash data
 - f. Coordination curves
 - g. And any other pertinent data
6. Per IEEE 1584, "Equipment below 208/240V need not be considered unless it involves at least one 125kVA or larger low-impedance transformer in its immediate power supply." Arc Flash calculations shall not be done on systems below 208/240V down stream of 125kVA and smaller transformers.
7. Arc Flash hazard labels for equipment needed are a product of the analysis. Labels provide qualified workers the information to determine the personal protective equipment (PPE) required to work on a given piece of equipment, or when the hazard level exceeds a safe work condition. Contractor shall submit a sample warning label to City's Representative within 20 calendar days of Notice of Award for approval.
8. Provide labor and materials to:
 - a. Affix labels to all 70E Rated Category 1 and above equipment
 - b. Labels shall at a minimum indicate the following:
 1. Arc Flash Boundary
 2. Restricted Approach Distance
 3. Limited Approach Distance
 4. Glove Class
 5. Incident Energy
 6. PPE Category
 7. Calorie Rating

8. Nominal Voltage
9. Upstream over-current protective device
10. Device name and assessment date

- c. Labels shall be required for all electrical equipment per referenced codes.
- d. Arc Flash labels on Motor Control Centers shall indicate if MCC buckets can be hot swapped.

Deliverables

1. After completion of the analysis, provide the following:
 - a. Submit three initial draft copies of each report to City's Representative for review. The Consultant shall incorporate City's review comments and submit three copies of the final draft reports to City's representative within 30 days following completion of facility testing for final review.
 - b. The Contractor shall submit to the City's Representative separate soft and hard copy of the report for each facility which shall contain, at a minimum, the following:
 - An introduction describing the background, objectives and the scope of the study
 - Basis of analysis
 - An executive summary with clearly written conclusions and recommendations. The recommendations will refer to reducing the arc flash hazard category to two or below and any other ways to enhance worker safety
 - Coordination plots and protective device curves
 - Single line diagrams
 - In tabulation format list device, device name, bus name, bus kV, protective, bus bolted fault, protective device arc fault, trip/delay time, duration of arc, arc type, arc flash boundary, working distance, required limited and restricted approach, incident energy, cal/cm², conduit sizes, switchgear data, and required PPE
 - Hazard/Risk Categories for the calculated incident energy levels
 - The flash protection boundary of the equipment involved/evaluated
2. A complete report for all the facilities in both electronic flash drive and in bound hard copy document form shall be submitted to the City's Representative.

Task 3 - Customized Electrical Safety Program

Consultant is to develop a written Electrical Safety Program that will be compliant with the latest NFPA 70E publication. The Electrical Safety Program shall incorporate the City's facilities referenced in Attachment A. The Electrical Safety Program should include the necessary language to implement but not be limited to the following elements:

1. Maintenance
 - a. Document the maintenance conditions of the equipment and its components and/or parts
2. Awareness and Self-Discipline
 - a. Document how employees must follow the policies and effectively implement the new safety procedures
3. Electrical Safety Program Controls
 - a. Document how the Electrical Safety Program shall identify the controls from which it is measured and monitored
 - b. Document which metrics could be used
4. General Risk Assessment

- a. The Electrical Safety Program should identify the steps that employees must take where the risk of injury from electrical hazards are unacceptable
5. Job Briefing
 - a. Specify how the employee shall perform job briefing when starting each new project. The briefing information to include the potential hazards associated with the equipment installation, required PPE and special precautions working in the vicinity of electrical installations.
 6. Electrical Safety Auditing
 - a. Document how the Electrical Safety Program shall be audited to verify that the procedures and principles within the program are in compliance with NPFA 70E.
 - b. Document how field work shall be audited to verify the requirements within the safety program are being followed.
 7. Training Requirements
 - a. Evaluation of current City Program
 - b. Specify how often employees shall be trained to identify and understand the relationship between electrical hazards and the possibility of injury
 - c. State the types of training that will be required
 - Classroom Arc Flash training
 - Emergency Response Training (contact release, first aid, etc.)
 - Qualification for electrical work
 - Training verification and documentation by the employer
 8. Clarification on the difference between unqualified and qualified personnel
 9. Outside contractor obligations in relation to the City's, Utilities Department Electrical Safety Program
 10. Document alerting techniques and methods for the notification of approach and flash boundaries
 11. Documentation for the use of personal protective equipment (PPE) by qualified employees.
 12. Documentation for energized electrical work permit policies and procedures
 13. Document protocols for de-energizing equipment and/or system
 14. Electrical safety requirements for any special equipment in use at City facilities
 15. Any other items that will be needed to be in compliance with the latest codes and Cal OSHA regulations

Mandatory Requirements

- All Contractors and their subcontractors shall meet all safety requirements of current codes and standards.
- Contractors shall require all employees and subcontractors to wear appropriate PPE while performing work at city facilities.
- Contractors shall provide a list of all owned testing equipment with this proposal

- All testing equipment needs to be calibrated and Contractors shall provide annual equipment testing results from third party at the beginning of contract and in June at the end of the fiscal year.

APPENDIX

City Facility Locations Attachment A

CITYWIDE UTILITIES FACILITIES ARC FLASH STUDY LOCATIONS		
Type Facility	Description	Address
Water Treatment Plant (WTP) Facilities		
WTP	LESTER-WTP	2970 RIMPAU AVE
WTP	SDO-WTP	2940 WILDERNESS CIR
WTP	DESALTER-WTP	745 CORPORATION YARD WAY
WTP	HG ION EXCHANGE WTP	410 RIMPAU AVE
Water Reclamation Facilities (WRF)		
WRF	WRF#1-RAILROAD	2205 RAILROAD STREET
WRF	WRF#2-HARRISON	650 E HARRISON
WRF	WRF#3-TEMESCAL	3997 TEMESCAL CYN
Boosters		
Booster	ZONE 6 @ EAGLE GLEN	1602 FAIRWAY
Booster	EAGLE GLEN ZONE 4/5	4255 EAGLE GLEN
Booster	AQUINO-BOOSTER	1030 AQUINO CIR
Booster	BORDER-BOOSTER	2290 BORDER AVE
Booster	CHASE/LESTER (raw) -BOOSTER	1315 E. CHASE DR.
Booster	CRESTA VERDE-BOOSTER	2005 PROMENADE
Booster	GREENRIVER-BOOSTER	4130 GREENRIVER DR
Booster	KRAFT RANCH-BOOSTER	1725 OAKRIDGE DR
Booster	MABEY CYN-BOOSTER	2643 BORDER AVENUE
Booster	MONTANA RANCH-BOOSTER	2930 WILDERNESS CIR
Booster	PAYETTE-BOOSTER	881 PAYETTE AVE
Booster	SDO-BOOSTER (raw water)	1670 MONTANA RANCH
Booster	SERFAS CLUB-BOOSTER	1290 SERFAS CLUB DR
Booster	ZONE 4 @ LESTER-BOOSTER	2930 WILDERNESS CIR
Booster	ZONE 5 @ LESTER-BOOSTER	2970 RIMPAU
Booster	HARLAN HILLS	3440 BONNIEVIEW CIRCLE
Booster	MORITA	755 MORITA
Booster	SIERRA BELLA BOOSTER	2690 HIDDEN HILLS WAY
RW Booster	BORDER	2525 BORDER AVE
RW Booster	WRF 1 RECLAIMED BOOSTER	2201 RAILROAD STREET

APPENDIX

City Facility Locations Attachment A

Wells		
Well	WELL 3	24650 GLEN IVY RD
Well	WELL 7A	917 CIRCLE CITY DR
Well	WELL 8A	219 S. JOY
Well	WELL 9A	505 S. VICENTIA
Well	WELL 11	1865 POMONA RD
Well	WELL 12A	523 MAPLE ST
Well	WELL 13	1018 COTTONWOOD
Well	WELL 14	1200 W. 10TH ST
Well	WELL 15	100 N. LINCOLN
Well	WELL 17A	1052 QUARRY
Well	WELL 19	219 W. GRAND
Well	WELL 20	25225 MAITRI RD
Well	WELL 21	24650 GLEN IVY RD
Well	WELL 22	405 SIERRA VISTA AVE
Well	WELL 25	310 S. VICENTIA
Well	WELL 26	730 CORP. YARD WAY
Well	WELL 27	2581 MANGULAR
Well	WELL 28	202 N. BUENA VISTA
Well	WELL 29	902 RAILROAD
Well	WELL 31	211 N. BUENA VISTA
Well	WELL 33	3822 GRANT ST

Lift Stations		
Lift Station	ARTISAN - LIFT STATION	211 W. RINCON STREET
Lift Station	AHMANSON - LIFT STATION	11763 CHADWICK RD
Lift Station	AIRPORT - LIFT STATION	1973 AVIATION DR
Lift Station	GRIFFIN WAY - LIFT STATION	2680 GRIFFIN
Lift Station	JOY & PARKRIDGE - LIFT STATION	495 E. PARKRIDGE
Lift Station	MCKINLEY - LIFT STATION	109 MCKINLEY
Lift Station	PRADO - LIFT STATION	4225 PRADO
Lift Station	SDO - LIFT STATION	3851 PALISADES
Lift Station	SMITH & RINCON - LIFT STATION	1500 W RINCON
Lift Station	STAGECOACH - LIFT STATION	2220 STAGECOACH
Lift Station	SUNKIST - LIFT STATION	650 E. HARRISON
Lift Station	N MAIN - LIFT STATION	718 N MAIN STREET
Lift Station	GREENRIVER - LIFT STATION	4776 GOLDEN RIDGE DRIVE
Lift Station	ARANTINE HILLS - LIFT STATION	2590 BEDFORD CANYON RD

Blending Stations		
Blending	GARRETSON BOOSTER/BLENDING/WST	506 E. ONTARIO AVE

Proposed work plan from Consultant

Process 1 – Kick-off Meeting and Data Gathering Site Visit

Upon authorization to begin, Consultant will schedule a kick-off meeting with California State University staff to review project requirements and firm up project schedule and target dates. Discussions will take place of preferences for labeling and the proposed locations for identifying arc flash hazards. Consultant will discuss with staff possible operating conditions that may impact short-circuit duties which would have an impact on the potential arc flash hazard.

Process 2 – Data Gathering

The first step in performing an arc flash study is to gather information. This will be accomplished with the help of subcontracted C-10 licensed technicians from Cal Express Electric, Inc. These professionals will gather data across all facilities.

Consultant has a culture of quality. As part of this a detailed checklist of required data will be developed and utilized previous to site investigation. The developed software model will require accurate utility equivalent data provided by the local utility for each studied location. Consultant has strong utility experience that assists us in gathering this sometimes hard to obtain data.

Process 3 – Software Modeling

Consultant will utilize the latest utilize industry standard engineering software, for example ETAP 20.5, to accurately model the electrical system being studied for this project with the information gathered in process 2. In order to effectively perform the study, Consultant will need to build an engineering software based single-line model with all relevant protective devices, line impedances, transformers, motors, and network equivalents. Consultant will develop the model to include the university 12 kV medium voltage system and building 480 V and 240/120 V equipment.

Consultant will attempt to reduce the model where appropriate to avoid redundancy. This will be done by modeling the largest protective device at each 480 V panel, as well as any items that may have arc flash hazard potential, such as 240/120 V main breakers, loads with long cable feeds, slow clearing protective devices, etc. This technique can help reduce model size and complexity and provide clear and concise results.

Process 4 – Arc Flash Study

Upon completion of the ETAP or SKM model, the maximum three-phase symmetrical and half-cycle fault currents will be calculated for each city building or facility. The maximum fault current will be used to verify interrupting ratings at all devices. The arc currents will be estimated based on the three-phase, half-cycle fault currents, which will consider arcing resistance for typical fault conditions. The arc currents will then be used to determine the clearing times associated with each studied protective device at the each of the relevant equipment lineup. The clearing times and the arc fault current will be used to calculate arc flash incident energy. Consultant will use the three-phase symmetrical fault current

(Per the IEEE 1584 standard) at each protective device to determine the clearing time. The clearing time is a key item in arc flash calculation and, in many cases, can be the most significant factor contributing to the arc flash hazard.

At each studied protective device location, the ETAP or SKM model will be used to determine the incident energy level associated with an arc flash. The arc flash calculations will be done in accordance with IEEE 1584-2018 (Guide for Performing Arc Flash Hazard Calculations) and NFPA 70E – 2021 and will determine the flash protection boundary distance and the required PPE for working on energized equipment.

Process 5 – Protective Device Coordination Study

Consultant will plot each device on Time Current Curve (TCC) plots to ensure proper selective coordination is achieved. There is a tradeoff between perfect coordination and low arc flash risk. Consultant will work with the City of Corona to determine preferences and make suggestions where we can improve the balance between protective device coordination and arc flash hazard mitigation.

Process 6 – Arc Flash Report

Consultant will provide an electronic pdf and (3) printed hard copies of the final report that covers introduction, executive summary, assumptions, analysis, and the results of the study. Detailed input and output data will be provided in the electronic versions only.

Included will be a system one-line diagram that shows the arc flash and short circuit current values and equipment sizing, as well as TCC plots of key electrical protective devices. If requested, Consultant can also perform a load flow study to verify equipment loadability and ensure voltage drops are within specifications. This could be included in our scope of work for an additional cost as outlined in the rate table.

The study will include all information agreed upon for each major equipment, such as:

- Device or bus name.
- Bolted and arcing fault current levels.
- Flash protection boundary distances.
- Personal-protective equipment classes.
- Incident Energy Exposure in Cal/cm² at 18” for 600 volts and less.
- Incident Energy Exposure in Cal/cm² at 36” for all medium voltage equipment.

Where appropriate, the report will provide recommendations for reducing exposure levels by modifying protective device settings or replacement of existing fuses.

The arc flash report will include custom PPE levels based on actual / recommended clothing levels in use at each plant. This will need to be specified at project award to be accommodated. The arc flash study results will be tabulated in the submitted report for each building 480 V and 240/120 V equipment including the largest 480 V and 240/120 V feeder breaker on a panel. Consultant will submit a draft report summarizing the results of the arc flash hazard analysis to the City of Corona.

Consultant will comment on any arc flash hazard levels with incident energy exceeding category 2, or where arc flash hazards are excessive for the equipment being studied. Consultant may discuss potentially problematic areas with City of Corona staff. Consultant Associates can attempt to mitigate potential areas.

All supporting data will be included in appendices. After a City of Corona review cycle, a meeting will be scheduled to discuss the results and recommendations. Consultant will incorporate comments received from the City of Corona into the draft report and submit a final report along with the arc flash and shock hazard warning labels.

Process 7 – Arc Flash and Shock Hazard Labels

Consultant will provide arc flash and shock hazard sample labels on indoor/outdoor vinyl tape as required for each piece of equipment in each facility for City of Corona review. Upon acceptance of the arc flash and shock hazard label format, Consultant will work with our C-10 licensed business partner to create and deliver the arc flash labels for key electrical equipment locations that have an arc flash hazard category of 1 or greater.

Process 8 – Electrical Safety Program

Consultant is an expert at providing electrical safety training and the development of electrical safety programs. Consultant will start the development of this process by gathering the existing safety documentation for the city, a site walkdown of city facilities (in conjunction with the arc flash survey) and interviews with city safety managers.

After a thorough review of the gathered information, Consultant can develop an electrical safety risk assessment, solutions, and improvements to the city's electrical safety program. In particular, Consultant finds it very effective to integrate the electrical safety program with an electrical work order program. This ensures compliance to electrical safety protocols for any electrical project work and would likely fit very well with the criteria below, specified by the city.

The electrical safety program that Consultant will develop entails the following:

- Maintenance
 - o The electrical safety program that Consultant will create will document the maintenance conditions of the equipment and its components and/or parts.
- Awareness and Self-Discipline
 - o The electrical safety program that Consultant will create will document how employees must follow the policies and effectively implement the new safety procedures.
- Electrical Safety Program Controls
 - o The electrical safety program that Consultant will create will document how the Electrical Safety Program shall identify the controls from which it is measured and monitored.
 - o The electrical safety program that Consultant will create will document which metrics could be used.
- General Risk Assessment
 - o The Electrical Safety Program will identify the steps that employees must take where the risk of injury from electrical hazards are unacceptable.

- Job Briefing

- o The electrical safety program that Consultant will create will document will specify how the employee shall perform job briefing when starting each new project. The briefing information to include the potential hazards associated with the equipment installation, required PPE and special precautions working in the vicinity of electrical installations.

- Electrical Safety Auditing

- o The electrical safety program that Consultant will create will document how the Electrical Safety Program will be audited to verify that the procedures and principles within the program are in compliance with NPFA 70E.

- o The electrical safety program that Consultant will create will document how field work shall be audited to verify the requirements within the safety program are being followed.

- Training Requirements

- o The electrical safety program that Consultant will create will specify how often employees shall be trained to identify and understand the relationship between electrical hazards and the possibility of injury and State the types of training that will be required. This training will be:

- Classroom Arc Flash training
 - Emergency Response Training (contact release, first aid, etc.)
 - Qualification for electrical work
 - Training verification and documentation by the employer

- The electrical safety program that Consultant creates will clarify on the difference between unqualified and qualified personnel.
- The electrical safety program that Consultant creates will clarify on the difference between outside contractor obligations in relation to the City's, Utilities Department.
- The electrical safety program that Consultant creates will include document alerting techniques and methods for the notification of approach and flash boundaries.
- The electrical safety program that Consultant creates will include documentation for the use of personal protective equipment (PPE) by qualified employees.
- The electrical safety program that Consultant creates will include documentation for energized electrical work permit policies and procedures.

- The electrical safety program that Consultant creates will discuss document protocols for de-energizing equipment and/or system.
- The electrical safety program that Consultant creates will specify electrical safety requirements for any special equipment in use at City facilities.

EXHIBIT "B"
SCHEDULE OF SERVICES

Contractor shall perform the Services within the Term of this Agreement, in accordance with the Schedule of Services set forth in this Exhibit

**EXHIBIT “C”
COMPENSATION**

Consultant’s not to exceed Fee for engineering studies is \$310,168. The pricing provided by the Consultant is T&M and includes approximately \$86,000 for subcontractor support gathering data.

Task	Hours	Cost
Data Gathering & expenses		\$86,000
System Modeling	663	\$84,218
Arc Flash	332	\$42,109
Protective device coordination	332	\$42,109
Electrical Safety Program	180	\$25,932
Project Management	200	\$29,800
Total	1707	\$310,168

Consultant will invoice City of Corona for actual labor hours spent and project expenses, based on Consultant's business month.

<u>BILLING CATEGORY</u>	<u>TITLE</u>	<u>LABOR BILLING RATE PER HOUR</u>
EXEMPT EMPLOYEES		
42	ENGINEER X	298
40	ENGINEER IX, LAND SERVICE SPECIALIST IX, PROJECT MANAGER IX, FIELD PROJECT REPRESENTATIVE IX	257
38	ENGINEER VIII, ENGINEERING SPECIALIST VIII, CONSULTANT VIII, LAND SERVICES SPECIALIST VIII, PROJECT MANAGER VIII, FIELD PROJECT REPRESENTATIVE VIII	218
36	ENGINEER VII, ENGINEERING SPECIALIST VII, ENVIRONMENTAL SPECIALIST VII, LAND SERVICES SPECIALIST VII, ADMINISTRATIVE SPECIALIST VII, PROJECT MANAGER VII, FIELD PROJECT REPRESENTATIVE VII	201
32	ENGINEER VI, ENGINEERING SPECIALIST VI, ENVIRONMENTAL SPECIALIST VI, LAND SERVICES SPECIALIST VI, ADMINISTRATIVE SPECIALIST VI, PROJECT MANAGER VI, FIELD PROJECT REPRESENTATIVE VI	178
30	ENGINEER V, ENGINEERING SPECIALIST V, ENVIRONMENTAL SPECIALIST V, LAND SERVICES SPECIALIST V, LAND SERVICES SUPERVISOR, PURCHASING AGENT V, ADMINISTRATIVE SPECIALIST V, PROJECT MANAGER V, FIELD PROJECT REPRESENTATIVE V	160
28	ENGINEER IV, ENGINEERING SPECIALIST IV, ENVIRONMENTAL SPECIALIST IV, LAND SERVICES SPECIALIST IV, TECHNICAL EDITOR IV, PURCHASING AGENT IV, ADMINISTRATIVE SPECIALIST IV, PROJECT MANAGER IV, FIELD PROJECT REPRESENTATIVE IV	149
26	ENGINEER III, ENGINEERING SPECIALIST III, ENVIRONMENTAL SPECIALIST III, LAND SERVICES SPECIALIST III, CARTOGRAPHER III, PROGRAMMER III, TECHNICAL EDITOR III, PURCHASING AGENT III, ADMINISTRATIVE SPECIALIST III, PROJECT MANAGER III, FIELD PROJECT REPRESENTATIVE III	136
25	ENGINEER II, ENGINEERING SPECIALIST II, ENVIRONMENTAL SPECIALIST II, LAND SERVICES SPECIALIST II, CARTOGRAPHER II, PROGRAMMER II, TECHNICAL EDITOR II, PURCHASING AGENT II, ADMINISTRATIVE SPECIALIST II, PROJECT MANAGER II, FIELD PROJECT REPRESENTATIVE II	126
21	ENGINEER I, ENGINEERING SPECIALIST I, ENVIRONMENTAL SPECIALIST I, LAND SERVICES SPECIALIST I, CARTOGRAPHER I, PROGRAMMER I, TECHNICAL EDITOR I, PURCHASING AGENT I, ADMINISTRATIVE SPECIALIST I, PROJECT MANAGER I, FIELD PROJECT REPRESENTATIVE I	113
NONEXEMPT EMPLOYEES		
19	ADMINISTRATIVE ASSISTANT V, CADD OPERATOR V, DESIGNER V, TECHNICIAN V	118
17	ADMINISTRATIVE ASSISTANT IV, CADD OPERATOR IV, DESIGNER IV, TECHNICIAN IV	101
16	ADMINISTRATIVE ASSISTANT III, CADD OPERATOR III, DESIGNER III, TECHNICIAN III	91
15	ADMINISTRATIVE ASSISTANT II, CADD OPERATOR II, DESIGNER II, TECHNICIAN II	75
11	ADMINISTRATIVE ASSISTANT , CADD OPERATOR , DESIGNER , TECHNICIAN	59

Notes: ¹ Individuals may move between categories at time of promotion

² Rates are based on Net 30. Invoices paid after Net 30 may be assessed a 1.5% late fee per month.

³ If any government entity takes a legislative action that imposes new taxes, fees or charges on services provided by Commonwealth or its subcontractors, then Commonwealth may invoice such new taxes, fees or charges at actual cost incurred without an additional markup.

⁴ These rates will be updated on an annual basis.

⁵ Billing titles are subject to change at any given time.

**COMMONWEALTH ASSOCIATES, INC.
EXPENSE BILLING RATE SUMMARY**

PRODUCTION COPIES (NOTE 1)	8-1/2" x 11" 11" x 17" Large format drawings	\$0.10/sht. \$0.16/sht. \$1.00/sq. ft.
OUTSIDE REPRODUCTION	---	At cost
EPRI SOFTWARE	---	EPRI royalty fee for non EPRI members (if use requested by client)
SPECIALTY ENGINEERING SOFTWARE (NOTE 2)	Such as ASPEN, CAPE, CAPTOR, CDEGS, EMTP, ETAP, ThermoFlow, WinIGS	\$100.00 Per Run
VEHICLE USAGE	---	Mileage at GSA rates
TRAVEL, LODGING AND MEALS	---	At cost or specified per diem
MAIL DELIVERY SERVICES	Fed-Ex, UPS, USPS, etc.	At cost
SUBCONTRACTORS	---	Cost plus 10%
OTHER MISC. CLIENT OR PROJECT REQUIRED EXPENSES	---	At cost

Notes:

1. No charge for reproduction unless the total number of reproduced sheets is greater than 100.
2. Engineering software: The engineering software fee is a charge for high-end, speciality software and also covers the expense of maintaining expertise in systems analysis.



Staff Report

File #: 22-0874

REQUEST FOR CITY COUNCIL ACTION

DATE: 11/16/2022

TO: Honorable Mayor and City Council Members

FROM: Planning and Development Department

SUBJECT:

Release of the grading security posted by Griffco Land, LLC, for Parcel 4 of Parcel Map 37070 for the Terrano Apartments located at 2804 Fashion Drive.

EXECUTIVE SUMMARY:

This staff report asks that the City Council approve the release of the grading security associated with Parcel 4 of Parcel Map 37070. The developer has completed the precise grading improvements associated with Parcel 4 for the construction of the Terrano Apartments located at 2804 Fashion Drive and is requesting the release of the posted securities.

RECOMMENDED ACTION:

That the City Council release the Grading and Erosion Control Securities (Bond No. 380846S and Receipt No. DEP16-0176).

BACKGROUND & HISTORY:

The property located at 2804 Fashion Drive is Parcel 4 of Parcel Map 37070 (PM 37070) and is approximately 13.7 acres. The property is within the Dos Lagos Specific Plan. PM 37070 was approved by the City Council on June 6, 2016. The developer, Griffco Land, LLC, entered into a Precise Grading Agreement and posted securities with the City on November 2, 2016, to commence construction of 276 apartments on the property. The apartments have been constructed and have received the required Certificates of Occupancy from the City to operate.

ANALYSIS:

The site was precise graded in accordance with all City Standards and the approved grading plans. Therefore, it is appropriate to release the grading and erosion control securities posted for the property.

The following is a summary of the securities:

Grading Security	Security No.	Faithful Performance	Receipt No.	Erosion Control
Precise Grading DWG# 16-015P PGR160015	380846S	\$ 413,900	DEP16-0177	\$12,700

FINANCIAL IMPACT:

All applicable fees have been paid by the developer.

ENVIRONMENTAL ANALYSIS:

This action is exempt pursuant to Section 15061(b)(3) of the Guidelines for the California Environmental Quality Act (CEQA), which states that a project is exempt from CEQA if the activity is covered by the commonsense exemption that CEQA applies only to projects that have the potential for causing a significant effect on the environment. Where 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. This action is to release grading securities posted for a previously approved project. There is no possibility that this action will have a significant effect on the environment. Therefore, no environmental analysis is required.

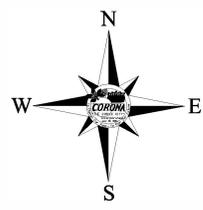
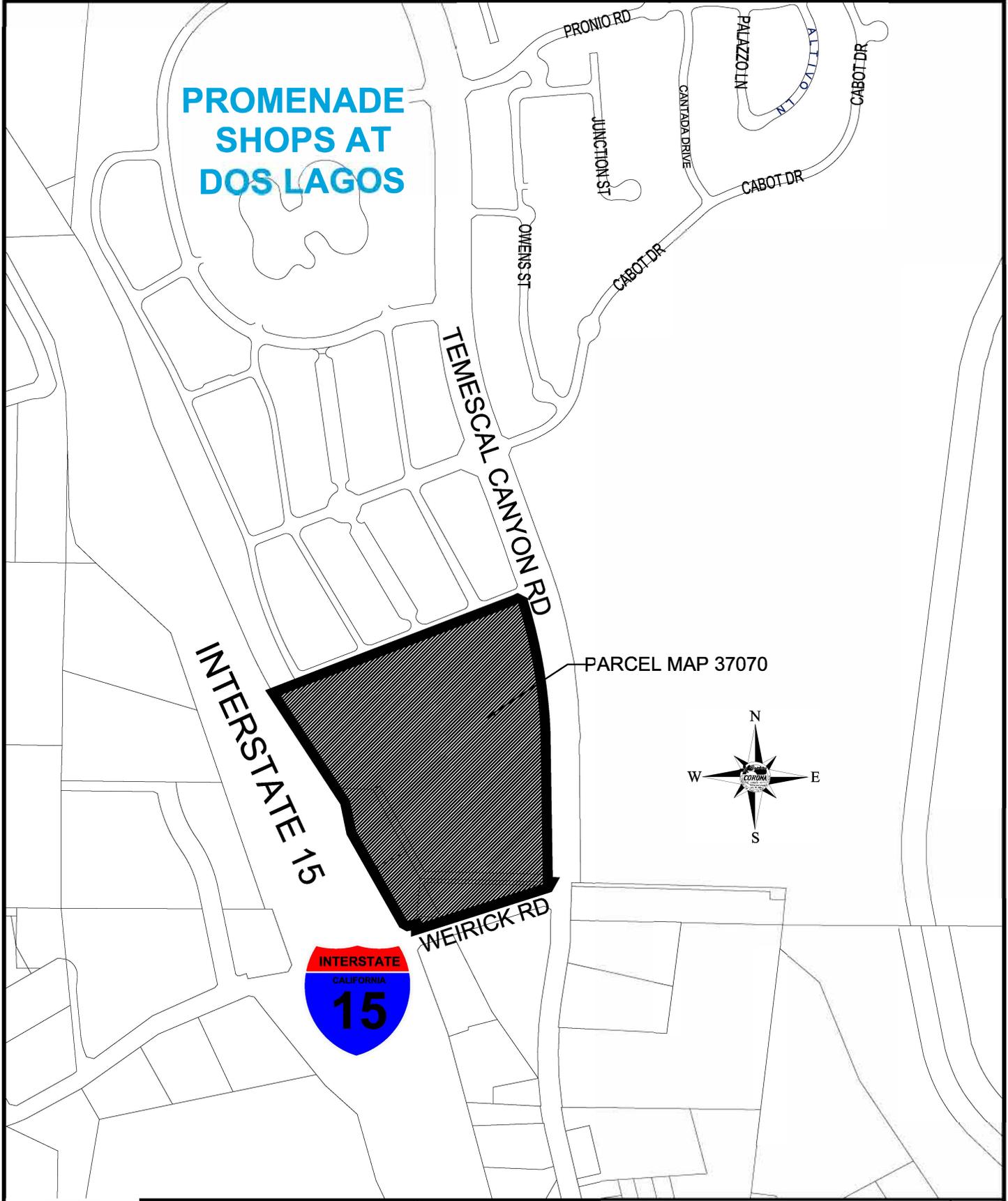
PREPARED BY: NOE HERRERA, ASSOCIATE ENGINEER

REVIEWED BY: JOANNE COLETTA, PLANNING AND DEVELOPMENT DIRECTOR

Attachments:

1. Exhibit 1 - Location map

PROMENADE SHOPS AT DOS LAGOS



CITY OF CORONA
LAND DEVELOPMENT DIVISION
400 S. VICENTIA AVE. CORONA, CA 92682
TELEPHONE (951) 736-2436
Prepared by:
FELICIA MARSHALL

EXHIBIT 1
PARCEL MAP 37070

Drawing No.
1
Scale:
NO SCALE



Staff Report

File #: 22-0845

REQUEST FOR CITY COUNCIL ACTION

DATE: 11/16/2022

TO: Honorable Mayor and City Council Members

FROM: Planning & Development Department

SUBJECT:

Ordinance amending various chapters within [Title 15 of the Corona Municipal Code](#) and adopting by reference the 2022 California Building Standards Code (California Code of Regulations, Title 24).

EXECUTIVE SUMMARY:

This staff report asks Council to consider the approval of Ordinance No. 3357, which amends various chapters within Title 15 of the Corona Municipal Code by adopting reference to the 2022 California Building Standards Code (California Code of Regulations, Title 24). The California Building Standards Commission recently adopted new model codes with amendments, and the 2022 California Building Standards Code will become effective throughout the State on January 1, 2023. Title 15 of the Corona Municipal Code covers the City's local ordinances related to building construction and provides reference to the California Building Standards Code.

RECOMMENDED ACTION:

That the City Council:

- a. Approve Ordinance No. 3357 for consideration of amending various chapters within [Title 15 of the Corona Municipal Code](#) and adopting by reference the 2022 California Building Standards Code (California Code of Regulations, Title 24).
- b. Introduce by title only and waive full reading for consideration of Ordinance No. 3357, first reading of an ordinance amending Chapters [15.02](#), [15.04](#), [15.05](#), [15.07](#), [15.08](#), [15.09](#), [15.10](#), [15.11](#), [15.12](#), [15.20](#), [15.28](#), and updating Chapters [15.52](#), [15.56](#), and [15.60](#) of [Title 15 of the Corona Municipal Code](#), adopting by reference the 2022 Edition of the California Building Standards Code (California Code of Regulations, Title 24); including the 2022 California Building Code; the 2022 California Green Building Standards Code; the 2022 California Residential Code; the 2022 California Mechanical Code; the 2022 California Energy Code; the 2022 California Historical Building Code; the 2022 California Existing Building Code; the 2022

California Fire Code with Errata; the 2022 California Plumbing Code; and the 2022 California Electrical Code; together with certain additions, insertions, deletions and changes thereto; and updating related ordinances for uniformity with current codes.

BACKGROUND & HISTORY:

The California Building Standards Code, Title 24, is the established minimum regulation for the design and construction of buildings and structures in California. The California Building Standards Code is published in its entirety every three years by order of the California Legislature. The California Building Standards Commission recently adopted new model codes with amendments, and the 2022 California Building Standards Code will become effective throughout the State on January 1, 2023.

State law mandates that local governments enforce the regulations of the California Building Standards Code and amend local ordinances for conformity. The City of Corona adopts by reference the Building Standards Code within Title 15 of the Corona Municipal Code (CMC), covering the Building Code, Residential Code, Fire Code, Plumbing Code, Mechanical Code, Electrical Code, Historical Building Code, Existing Building Code, Energy Code, and Green Building Standards Code. The ordinance also contains certain local amendments that are considered reasonably necessary because of local climatic, geological, or topographical conditions.

Along with the adoption of the latest building codes, existing Chapters 15.52, 15.56, and 15.60 of Title 15 of the CMC are being updated to reflect the latest building codes, methods of construction, and the City's organizational structure.

ANALYSIS:

The California Building Standards Code (CBSC) is based on the latest model codes published by the International Code Council (ICC), National Fire Protection Association (NFPA), and the International Association of Plumbing and Mechanical Officials (IAPMO). These nationally recognized model codes go through a lengthy code development process, and when new versions are published, the California Building Standards Commission uses these updated codes to amend the CBSC.

The 2022 CBSC contains changes such as errata to correct errors or typos, revised wording clarification, and more significant changes to reflect increases in building system performance, California's renewable energy goals, and the latest building technology and innovation. The most noteworthy of these changes in the new CBSC include:

- Solar panels are now required for newly constructed multi-family buildings that are over three stories in height, and most types of commercial buildings.
- Privacy screening is now required for public restrooms.
- A new code section and requirements were added to regulate intermodal shipping containers repurposed for use as buildings and structures.

- Storage racks greater than 8 feet in height now require inspection by a 3rd party specialist.

The amendments to Title 15 of the CMC are based on the 2022 CBSC update, and include updates to existing ordinances for uniformity with the new codes, modern construction methods, and the City's organizational structure.

After 14 days from this first reading, the ordinance will be brought back to the City Council for public comment, final consideration, and adoption by the Council.

FINANCIAL IMPACT:

The adoption of this ordinance will have no fiscal impact on the budget.

ENVIRONMENTAL ANALYSIS:

This action is exempt pursuant to Section 15061(b)(3) of the Guidelines for the California Environmental Quality Act (CEQA), which states that a project is exempt from CEQA if the activity is covered by the commonsense exemption that CEQA applies only to projects that have the potential for causing a significant effect on the environment. Where 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. There is no possibility that this action will have a significant effect on the environment. Therefore, no environmental analysis is required.

PREPARED BY: CHRIS MILOSEVIC, BUILDING OFFICIAL

REVIEWED BY: JOANNE COLETTA, PLANNING & DEVELOPMENT DIRECTOR

Attachments:

1. Exhibit 1 - Ordinance No. 3357 Clean version
2. Exhibit 2 - Ordinance No. 3357 Redline version

ORDINANCE NO. 3357

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CORONA AMENDING CHAPTERS 15.02, 15.04, 15.05, 15.07, 15.08, 15.09, 15.10, 15.11, 15.12, 15.20, 15.28, AND UPDATING CHAPTERS 15.52, 15.56, AND 15.60 OF TITLE 15 OF THE CORONA MUNICIPAL CODE, ADOPTING BY REFERENCE THE 2022 EDITION OF THE CALIFORNIA BUILDING STANDARDS CODE (CALIFORNIA CODE OF REGULATIONS, TITLE 24); INCLUDING THE 2022 CALIFORNIA BUILDING CODE; THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE; THE 2022 CALIFORNIA RESIDENTIAL CODE; THE 2022 CALIFORNIA ENERGY CODE; THE 2022 CALIFORNIA HISTORICAL BUILDING CODE; THE 2022 CALIFORNIA EXISTING BUILDING CODE; THE 2022 CALIFORNIA MECHANICAL CODE; THE 2022 CALIFORNIA FIRE CODE WITH ERRATA; THE 2022 CALIFORNIA PLUMBING CODE; AND THE 2022 CALIFORNIA ELECTRICAL CODE; TOGETHER WITH CERTAIN ADDITIONS, INSERTIONS, DELETIONS AND CHANGES THERETO.

WHEREAS, Government Code Section 50022, et seq. and California Health & Safety Code Section 17922 empower the City of Corona ("City") to adopt by reference the California Building Standards Code as provided in Title 24 of the California Code of Regulations; and

WHEREAS, in December of 2019 the City Council of the City of Corona adopted the 2019 California Building Standards Code with certain local amendments; and

WHEREAS, the California Building Standards Commission ("Commission") recently adopted new amendments to the California Building Standards Code; and

WHEREAS, California Health & Safety Code, Sections 17958.5 and 18941.5 authorize cities and counties to modify the California Building Standards Code by adopting more restrictive standards and modifications if such standards and modifications are accompanied by express findings that they are reasonably necessary because of local climatic, geological or topographical conditions; and

WHEREAS, the City Council of the City of Corona ("City Council") finds that these local climatic, geological or topographical conditions include, but are not limited to, the following:

1. The City is subject to relatively low amounts of precipitation, very low humidity levels and extremely high temperatures. These climatic conditions are conducive to the spread of drought conditions and fires. For example, during July, August and September, temperatures often exceed 100 degrees Fahrenheit. During the same months, humidity is usually less than 40% and measurements of less than 10% are not uncommon. These recordings have been documented by the Riverside County Flood Control District and the National Climatic Data Center.

2. The City is subject to extremely strong winds, commonly referred to as "Santa Ana Winds," which can reach speeds of up to 95 miles per hour. In addition, the convergence of the marine shore air flow and the desert air flow create steady winds on a daily basis. Finally, the City is bordered on the south by steep, rugged, brush-covered mountains and parts of the City contain hilly terrain and mounds, which either contribute to or create gusty wind conditions by causing a natural funneling effect and increasing wind speeds over the City.

3. The City is also subject to moderately strong shaking and surface ruptures from seismic activity in the area. The geologic and seismic setting of the City is dominated by the Chino and Elsinore earthquake faults along the southwest portion of the City and a diversity of bedrock and alluvial soils that may significantly affect the intensity of earthquake shaking. The Elsinore fault is located a short distance southwest of the City, while the Chino fault, which is subparallel to the Elsinore fault, is located just inside the City's southwestern boundary. Of the two faults, the Chino fault has the greater potential for surface rupture leading to structural damage of structures in the City. Moreover, the thin alluvial soils found in parts of the City contribute to a moderately high potential for liquefaction in certain areas.

WHEREAS, the aforementioned geologic and climatic conditions have also contributed to the loss or damage of thousands of homes and commercial properties in California over the last several decades. The top 20 fires in the State have consumed over 46,000 structures, and there have been hundreds more fires with thousands more structures destroyed. The 30,305-acre Freeway Complex Fire from November 2008 burned 318 structures, including several in Corona; the 2662-acre Canyon Fire from September 2017 threatened 2715 homes in Corona, before being contained; and the 23,136-acre Holy Fire from August 2018 nearly threatened 2638 homes in Corona; and

WHEREAS, these fires, as well as the Whittier Earthquake of 1987 and Northridge Earthquake of 1994, have resulted in the tragic loss of lives along with enormous property losses; and

WHEREAS, based upon the recommendations of the Building Official and Fire Chief, the City Council finds that the proposed amendments to the 2022 California Building Standards Code ("amendments") are more restrictive than the standards adopted by the Commission, would decrease the potential incidence of property damage, injury and death due to fires and earthquakes, and are reasonable and necessary to mitigate the aforementioned local climatic, geologic or topographical conditions; and

1. The amendments to section 101.4 of Chapter 1 Division II of the 2022 California Building Standards Code, as set forth in Section 2 of this ordinance, ensure that structures and related devices and equipment required by other referenced codes are maintained in a manner that would prevent danger to emergency responders or users thereof arising from conditions related to an emergency incident caused by high winds, fires, or seismic activity.

2. The amendments to Sections 105.1 of Chapter 1 Division II of the 2022 California Building Code, as set forth in Section 2 of this Ordinance, ensure that structures such as fences, retaining walls and signs, that may become potentially dangerous structures in an earthquake or high winds, are constructed in accordance with applicable codes, ordinances and standards; and

3. The amendment to Section 105.6 of Chapter 1 Division II of the 2022 California Building Code, as set forth in Section 2 of this Ordinance, preserves public health, safety and welfare by limiting construction noise and mitigating the effects of having portions of the City's residential areas constructed on hilly terrain. Many times it is not possible to construct noise barriers between noise sources and noise receptors in hilly areas. Under such circumstances, the "line of sight" between the noise source and the receiver cannot be adequately impeded by other structures such as fences and walls because such structures cannot be constructed on certain lots due to the grade differential between lots; and

4. The addition of Section 105.8 to Chapter 1 Division II of the 2022 California Building Code, as set forth in Section 2 of this Ordinance, is needed to assure that each permit is applicable to the location and conditions for which it was originally obtained; and

5. The amendments to Section 110.3.3.1 and 110.3.6.1 of the 2022 California Building Code, as set forth in Section 3 of this Ordinance, adding additional required inspections, including a sub-frame inspection, a roof sheathing and shear inspection and a plaster inspection assure that all construction and use of buildings conforms to the requirements of the California Building Standards Code in so that maximum protection from the wind, fire and earthquake conditions is provided; and

6. The addition of Section 3109.1.1 to the 2022 California Building Code, as set forth in Section 3 of this Ordinance, is required to ensure pool safety and decrease the likelihood of injuries and death due to unauthorized use of pools and the greater use of outdoor swimming pools due to climatic conditions; and

7. The addition of Section 1505.1.4 to the 2022 California Building Code as set forth in Section 3 of this Ordinance and the additions of section R902.1.4 to the 2022 Residential Code as set forth in Section 5 of this Ordinance requires Class "A" roofing which is effective against severe fire exposure, is not readily flammable, affords a fairly high degree of fire protection to roof decks, does not slip from position, and poses no flying-brand hazard, and is therefore more fire resistant than other classes of roofing not possessing these characteristics that are adopted for use by the Commission; and

8. The amendments to the 2022 California Fire Code, as set forth in Section 10 of this Ordinance, including the amendments adding definitions to Section 202; the amendment to Section 112.4.2 imposing additional costs against persons responsible for violations of the code; the amendments to Sections 304.1.2, 305.6, 307.6, 307.7, 308.1.6.3, 324, 325, 326, 327, 503.2.1, 503.2.4, 503.7, 505.1, 507.5.1, 507.5.5 507.5.7, 4907.3, 4911 imposing additional requirements for maintenance, clearance and management of vegetation and fuel modification areas, outdoor fires, premises identification, fire access roads, turning radii, clearance around hydrants and other fire apparatus; and amendments to the 2022 California Building Code, as set forth in Section 3 of this Ordinance, are needed to minimize the risk of fire which is increased by the climatic and geological conditions in the City of Corona, described above in this Ordinance, and to mitigate the spread of fire especially during high wind conditions described above in this Ordinance; and

9. The addition of Section 710 to the 2022 California Fire Code, requiring one-hour fire construction for all eaves, as set forth in Section 10 of this Ordinance, is reasonably necessary to mitigate the potential for the spread of fires from flying brands, ashes and sparks during high wind conditions and mitigate potential property damage, injury and death; and

10. The amendment to Section 314.3 of the 2022 California Plumbing Code, as set forth in Section 11 of this Ordinance, prohibiting unattended excavations without appropriate barricades is needed to assure that excavations for sewer or sewage disposal facilities do not create a hazard for persons, especially during periods of wind, rain or surface movements caused by earthquakes; and

WHEREAS, the Fire Marshal and Building Official have also recommended that changes and modifications be made to the California Building Standards Code, which are necessary for administrative clarification and to establish administrative standards for the effective enforcement of the building standards of the City of Corona, or are reasonably necessary to safeguard life and property within the City and do not modify a building standard pursuant to California Health & Safety Code Section 17958, 17958.7, and/or 18941.5, which amendments consist of:

1. Amendments to Chapter 1 Division II, Sections 501.2, 904.3.5, Chapter 35 and Appendix H of the 2022 California Building Code; and

2. Amendments to Sections 103.2, 104.2, 105.5, 112.4, 112.4.2, 202, 324, 507.5.1, 507.5.5, 510.1, 510.4.1.3, 903.3.5.3, 904.3.5, 1201.1.1, 4907.3, 5001.5.2, 5608.2, Chapter 80, and Appendix B and Appendix C of the 2022 California Fire Code; and

WHEREAS, the City Council finds that the local amendments to the 2022 California Building Standards Code, codified in Title 24 of the California Code of Regulations (“Code”) described herein are supported by the local climatic, geologic and/or topographic conditions described herein, and further finds that the remainder of the said changes and modifications are of an administrative or procedural nature, or concern themselves with subjects not covered by the Code, or are reasonably necessary to safeguard life and property within the City of Corona; and

WHEREAS, any and all other legal prerequisites relating to the adoption of this Ordinance have occurred.

NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF CORONA, CALIFORNIA, DOES ORDAIN AS FOLLOWS:

SECTION 1. The City Council hereby adopts the recitals contained in this ordinance as findings to support the modifications to the 2022 California Building Standards Code made herein.

SECTION 2. Chapter 15.02 of the Corona Municipal Code is hereby amended to read as follows:

**"CHAPTER 15.02
ADMINISTRATIVE PROVISIONS FOR TITLE 15**

Sections:

15.02.010	Title.
15.02.020	Code adoption.
15.02.030	Amendments – Generally.
15.02.040	Amendment – Section 101.1 – Title.
15.02.050	Amendment – Section 101.4 – Referenced codes.
15.02.060	Addition – Section 104.11 – Alternative materials.
15.02.070	Addition – Section 105.1. – Permits required.
15.02.080	[Reserved]
15.02.090	Amendment – Section 105.2 – Exempt work.
15.02.100	Amendment – Section 105.3.2 – Time limitation of application.
15.02.110	Amendment – Section 105.5 –Expiration.
15.02.120	Amendment – Section 105.6 – Suspension or Revocation.
15.02.130	Amendment – Section 105.7 – Placement of permit.
15.02.140	Addition – Section 105.8 – Transferability.
15.02.150	Amendment – Section 109.4 – Work commencing before permit issuance.
15.02.160	Amendment – Section 109.6 – Refunds.
15.02.170	Addition – Section 110.3.3.1 and 110.3.6.1 - Inspections.
15.02.180	Addition – Section 110.7 – Reinspection.
15.02.190	Amendment – Section 111.2 – Certificate issued.
15.02.195	Amendment – Section 113 – Board of appeals.
15.02.200	Violation – Penalty.

15.02.010 Title.

This chapter shall be cited as the Administrative Provisions to Title 15 of the Corona Municipal Code and shall apply to all of the referenced and adopted codes in Title 15, unless otherwise provided.

15.02.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as the 2022 California Building Code, Chapter 1 Division II are hereby adopted.

(B) One certified copy of the 2022 California Building Code Chapter 1 Division II shall be kept on file in the office of the Building Official, and any and all references thereto are adopted as the Administrative Provisions to the codes adopted in Title 15 of the Corona Municipal Code for the City of Corona, unless otherwise provided, and subject to the changes contained in this chapter.

(C) Each and all of the regulations, provisions, penalties, conditions, and terms thereof are referred to, adopted, and made a part of this chapter as though fully set forth at length.

15.02.030 Amendments – Generally.

Designated sections of the 2022 California Building Code, Chapter 1 Division II are amended to read as set forth in Sections 15.02.040 through 15.02.200.

15.02.040 Amendment – Section 101.1 Title.

Section 101.1 is deleted in its entirety.**15.02.050 Amendment – Section 101.4 - Referenced codes.**

The first paragraph of Section 101.4 is amended to read as follows:

“101.4 Referenced codes. The other codes listed in section 101.4.1 through 101.4.12 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference as adopted and amended by Title 15 of the Corona Municipal Code. Structures, appurtenances, systems, devices, equipment, features, and facilities that are existing as of the date this section is adopted shall be maintained in accordance with the applicable codes and standards that were in effect at the time of permit application, or at the time of the initial construction, installation, or use if no permit was required. Alterations and repair work to structures, appurtenances, systems, devices, equipment, features, and facilities that are existing as of the date this section is adopted shall comply with the applicable laws, codes, and standards in effect at the time of such alteration or repair.”

Section 101.4.3 is amended to read as follows:

“101.4.3 Plumbing. The provisions of the California Plumbing Code shall apply to the installation, alteration, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system. The provisions of the California Plumbing Code, Appendix H, shall apply to private sewage disposal systems.”

Section 101.4 is amended by adding subsections 101.4.8, 101.4.9, 101.4.10, 101.4.11, and 101.4.12 to read as follows:

“101.4.8 Residential. The provisions of the California Residential Code shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal, and demolition of detached one and two family dwellings and townhomes not more than three stories above grade plane in height with a separate means of egress and their accessory structures not more than three stories above grade plane in height.

Exceptions:

1. Live/work units located in townhouses and complying with the requirements of Section 419 of the California Building Code shall be permitted to be constructed in accordance with the California Residential Code. Fire Suppression required by Section 419.5 of the California Building Code where constructed under the California Residential Code shall conform to Section R313.
2. Owner-occupied lodging houses with five or fewer guestrooms shall be permitted to be constructed in accordance with the California Residential Code where equipped with a fire sprinkler system in accordance with Section R313.

101.4.9 Historical. The provisions of the California Historical Building Code shall apply to the preservation, restoration, rehabilitation, relocation or reconstruction of buildings or properties designated as qualified historical buildings or properties.

101.4.10 Green Building. The provisions of the California Green Building Standards Code shall apply to the planning, design, operation, construction, use and occupancy of every newly constructed building.

101.4.11 Housing. The provisions of the California Housing Code shall apply to the use, occupancy, and maintenance of all buildings or portions thereof used, or designated or intended to be used, for human habitation.

101.4.12 Electrical. The provisions of the California Electrical Code shall apply to the installation, alteration, maintenance, and repair of electrical conductors, equipment, and raceways; signaling and communications conductors, equipment, and raceways; and optical fiber cables and raceways for those structures, premises, equipment, and installations as designated in that code.”

15.02.060 Addition – Section 104.11 - Alternative materials.

Section 104.11 is amended by adding the following subsection 104.11.5 thereto to read as follows:

“104.11.5 Application for request to use alternative materials, design or methods of construction and equipment. Requests for the use of alternative materials, design or methods of construction or equipment must be made on the City of Corona application form and an application fee must be paid at the time of request submittal. Applications shall be specific to a project address and approval for a specific project shall not constitute approval for use at any other locations.”

15.02.070 Addition – Section 105.1 – Permits required.

Section 105.1 is amended by adding the following subsection 105.1.3 thereto to read as follows:

“105.1.3 Permits Required. No person, firm or corporation shall erect, re-erect, construct, enlarge, alter, repair, move, improve, remove, convert or demolish any building or other structure in the city, without obtaining a valid building permit prior to commencement of any work. A Building permit is also required for the following specified items:

1. Retaining walls over two feet in height (measured from the top of the footing) and walls of any height if supporting a surcharge or any superimposed load other than the natural fill of level earth. Retaining walls are required for any unsupported excavation with vertical banks more than two feet high or unsupported excavations of any height if supporting a surcharge or any superimposed load other than the natural fill of level earth.
2. Fence or fences over three feet in height constructed or made of any material including, but not limited to, wood, plastic, metal, chain link, wrought iron, masonry, block, brick or stone)
3. A Building permit is also required for any sign which requires a Planning Division sign permit as specified in Chapter 17.74 of this code, except signs painted directly onto an existing building, or sign structure or sign board or the refacing of a previously approved sign canister with Plexiglas, flexible sign face or similar material provided no structural changes are made to the sign structure or canister.
4. Grading requirements and permits shall be as required by Chapter 15.36 of the Corona Municipal Code.”

15.02.080 [Reserved].

15.02.090 Amendment – Section 105.2 – Exempt work.

Section 105.2 is amended in its entirety to read as follows:

“Work Exempt from Permit. Exemptions from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of this code or any other laws or ordinances of this jurisdiction. A building permit shall not be required for the following:

Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet.
2. Fences not over three (3) feet high.
3. Oil derricks.
4. Retaining walls that are not over two (2) feet in height measured from the top of the footing to the top of the wall, unless supporting a surcharge or any superimposed load other than the natural fill of level earth or impounding Class I, II, or IIIA liquids.
5. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons and the ratio of height to diameter or width does not exceed 2 to 1.
6. Platforms, walks and driveways not more than 30 inches above adjacent grade, and not over any basement or story below and are not part of an accessible route.
7. Painting, papering, tiling, carpeting, cabinets, countertops and similar finish work.
8. Temporary motion picture, television and theater stage sets and scenery.
9. Prefabricated swimming pool accessory to a Group R-3 Occupancy that are less than 24 inches deep, do not exceed 5,000 gallons and are installed entirely above ground.
10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.
11. Swings and other playground equipment accessory to detached one- and two-family dwellings.
12. In Group R-3 and U occupancies, window awnings that do not project more than 54 inches from the exterior wall, when supported by an exterior wall and do not require additional support.
13. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches in height.
14. Wood-framed decks accessory to single family dwellings where the deck is no greater than 200 square feet in area, with a walking surface that is not more than 30 inches above grade at any point, is not attached to a dwelling and does not serve as a required path of egress or accessible

path of travel. Decks located in a front yard setback shall comply with the requirements in Corona Municipal Code Chapter 17.64.

15. Historic markers no greater than 4 feet in height measured from the adjacent finish grade to the top of the structure placed pursuant to Chapter 17.63 of the Corona Municipal Code

Electrical:

1. Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

2. Radio and television transmitting stations: The provisions of this code shall not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for a power supply and the installations of towers and antennas.

3. Temporary testing systems: A permit shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

Gas:

1. Portable heating appliances

2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical:

1. Portable heating appliance.

2. Portable ventilation equipment.

3. Portable cooling unit.

4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this code.

5. Replacement of any part that does not alter its approval or make it unsafe.

6. Portable evaporative cooler.

7. Self-contained refrigeration system containing 10 pounds or less of refrigerant and actuated by motors of 1 horsepower or less.

Plumbing:

1. The stopping of leaks in drains, water, soil, waste or vent pipe, provided, however, that if any concealed trap, drain pipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered new work and a permit shall be obtained and inspection made as provided in this code.

2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

3. The installation of water-conserving plumbing fixtures as replacements for existing plumbing fixtures shall not, alone, require a permit or inspection from the Building Division. The replacement plumbing fixtures shall comply with Chapters 15.05 and 15.20 of this code.

Grading:

1. Grading requirements and permits shall be as required by Chapter 15.36 of the Corona Municipal Code.”

15.02.100 Amendment – Section 105.3.2 – Time limitation of application.

Section 105.3.2 is amended in its entirety to read as follows:

“**105.3.2 Plan Check Expiration, Extension and Renewal.** An application for a plan check submitted for any proposed work shall be deemed to have been abandoned and the plan check application shall expire 180 days after the date of filing, unless such application has been pursued in good faith or a permit for such work has been issued; except that the building official is authorized to grant one or more extensions of time, for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated. Extensions will only be granted prior to the expiration of the plan check application. Extensions will not be approved until all applicable fees have been paid to the City.

Renewal: When a plan check application has expired, plans cannot be resubmitted prior to submitting a new application or renewing the plan check application. Requests to renew an expired plan check application shall be submitted to the Building Official, in writing, shall demonstrate justifiable cause and shall be subject to the approval of the Building Official. If approved by the Building Official the fee for the renewed plan check application shall be one half the amount required for a new plan check for such work, provided no major changes have been made in the original plans and specifications for such work that might constitute a new plan check and provided further that the plan check renewal application is submitted within one year of the date the plan check application, or extended plan check application, as applicable, expired. To renew a plan check application more than one year after the date the plan check application, or extended plan check application, as applicable, has expired, the applicant shall be required to pay a new full plan check fee.”

15.02.110 Amendment – Section 105.5 –Expiration.

Section 105.5 is amended in its entirety to read as follows:

“Section 105.5 – Permit Expiration, Extension and Renewal. Every permit issued shall become invalid and expire if the work on the site authorized by such permit is not commenced within 12 months after issuance of the permit, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and shall demonstrate justifiable cause for the requested extension. Extensions will only be granted prior to the expiration of the permit. Extensions will not be approved until all applicable fees have been paid to the City of Corona.

Renewal: When a permit has expired, work cannot be recommenced prior to renewing the permit or obtaining a new permit. Requests to renew an expired permit shall be submitted to the Building Official, in writing, shall demonstrate justifiable cause and shall be subject to the approval of the Building Official. If approved by the Building Official the fee for the renewed permit shall be one half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work and provided further that the request to renew the expired permit is submitted within one year of the date the permit, or extended permit, as applicable, has expired. To renew a permit more than one year after the permit has expired, the applicant shall be required to pay a new full permit fee.”

15.02.120 Amendment – Section 105.6 – Suspension or Revocation.

Section 105.6 is amended by adding the following paragraphs to the end of the section to read as follows:

“The Building Official may, in writing, suspend or revoke a permit issued under the provisions of this code if construction noise is generated between the hours of 8:00 p.m. and 7:00 a.m., Monday through Saturday and 6:00 p.m. to 10:00 a.m. on Sundays and Federal Holidays. Construction noise is defined as noise which is disturbing, excessive, or offensive and constitutes a nuisance involving discomfort or annoyance to persons of normal sensitivity residing in the area, which is generated by the use of any tools, machinery or equipment used in connection with construction operations.

The Building Official may, in writing, suspend or revoke a permit issued under the provisions of this code if dust is generated in excess of local, state or federal standards or conditions of project approval.”

15.02.130 Amendment – Section 105.7 – Placement of permit.

Section 105.7 is amended by adding the following to the end of the section to read as follows:

“The required permits and approved plans shall be maintained in good condition and be posted or otherwise made available such as to allow the building official to conveniently make the required entries regarding the inspection of work.”

15.02.140 Addition – Section 105.8 - Transferability.

Section 105 is amended by adding the following subsection 105.8 thereto to read as follows:

“**105.8 Transferability.** No permit issued pursuant to Title 15 of the Corona Municipal Code shall be transferable to any other person or apply to any location other than that stated in the permit.”

15.02.150 Amendment – Section 109.4 – Work commencing before permit issuance.

Section 109.4 is amended by adding the following paragraphs to the end of the section to read as follows:

“Whenever any work for which a permit is required by this code has been commenced without first obtaining said permit, a special investigation shall be made before a permit may be issued for such work.

An investigation fee, in addition to the permit fee, shall be collected whether or not a permit is then or subsequently issued. The investigation fee shall be determined by the currently adopted fee schedule and shall not be less than the actual costs as determined by the Building Official.”

15.02.160 Amendment – Section 109.6 - Refunds.

Section 109.6 is amended in its entirety to read as follows:

“**109.6 Refunds.** The Building Official may authorize refunding of any fee paid hereunder which was erroneously paid or collected.

The Building Official may authorize refunding of not more than 80 percent of the permit inspection fee paid when no work has been started under a permit issued in accordance with this code.

The Building Official may authorize refunding of not more than 80 percent of the plan review fee paid when an application for a permit for which a plan review fee is paid is withdrawn or canceled before any plan reviewing is started.

The Building Official shall not authorize refunding of any fee paid except on a written request for refund submitted by the original applicant or original permittee not later than 180 days after the date of the fee payment.”

15.02.170 Addition – Sections 110.3.3.1 and 110.3.6.1 - Inspections.

Section 110.3 is amended by adding the following subsections 110.3.3.1 and 110.3.6.1 thereto to read as follows:

“110.3.3.1. Roof Sheathing and Shear Inspection. Roof sheathing and shear inspections shall be performed after roof sheathing and all structural shear panels or walls are in place and secured by nailing or other approved methods.

110.3.6.1. Plaster Inspection. Plaster inspections shall be performed after the application of the scratch coat.”

15.02.180 Addition – Section 110.7 - Reinspection.

Section 110 is amended by adding subsection 110.7 thereto to read as follows:

“110.7 Reinspections. A reinspection fee may be assessed for each inspection or reinspection when such portion of work for which inspection is called is not complete or when corrections previously called for are not made. The amount of the fee shall be the minimum building inspection fee as set forth in the fee schedule adopted by the City Council.

This section is not to be interpreted as requiring reinspection fees the first time a job is rejected for failure to comply with the requirements of this code, but as controlling the practice of calling for inspections before the job is ready for such inspection or reinspection.

Reinspection fees may be assessed when the inspection record permit card is not posted or otherwise available on the work site, the approved plans are not readily available the inspector, for failure to provide access on the date for which the inspection is requested, or for deviating from the plans requiring the approval of the building official.

To obtain a reinspection, the applicant shall pay the reinspection fee as set forth in the fee schedule adopted by the City Council.

In instances where reinspection fees have been assessed, no additional inspection of the work will be performed until the required fees have been paid.

Chapter 1.14 of the Corona Municipal Code shall also apply to Title 15.”

15.02.190 Amendment – Section 111.2 – Certificate issued.

Section 111.2 is amended by adding the following sentence at the beginning of the section to read as follows:

“111.2 Certificate issued. A Certificate of Occupancy shall not be issued until all applicable fees have been paid to the City of Corona.”

15.02.192 Amendment - Section 112.3 - Authority to disconnect service utilities.

Section 112.3 is amended in its entirety to read as follows:

“112.3 Authority to disconnect service utilities. The building official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards set forth in Section 101.4 as follows:

1. In case of emergency where necessary to eliminate an immediate hazard to life or property; or
2. Where such utility connection has been made without the approval required by Section 112.1 or 112.2; or
3. When a structure, building or property is in violation of Section 111; or
4. When the continued use of utilities creates or contributes to the existence of a public nuisance as defined in Corona Municipal Code Chapter 15.56; or
5. When the disconnection of utility service is required by a court ordered action to abate a public nuisance; or
6. When the approved duration for the temporary connection to utilities or temporary occupancy per sections 108, 111 or 112 has expired or been terminated, or the conditions of approval imposed in connection with the approval of such temporary connection or temporary occupancy have been violated.

The building official shall notify the serving utility, and wherever possible the owner and occupant of the building, structure or service system of the decision to disconnect prior to taking such action. IF not notified prior to disconnecting, the owner or occupant of the building, structure or service system shall be notified in writing, as soon as practical thereafter.”

15.02.195 Amendment – Section 113 – Board of appeals.

Section 113 is amended in its entirety to read as follows:

**“SECTION 113
APPEALS PROCESS**

113.1 General. Orders, decisions or determinations made by the building official relative to the application and interpretation of this code may be appealed pursuant to the procedures set forth in Chapter 1.09 of this code.

113.2 Limitations on authority. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The hearing officer shall have no authority to waive requirements of this code.”

15.02.200 Violation – Penalty.

(A) No person, firm, partnership, association or corporation shall violate any provisions of this chapter and any provisions of the codes, rules or regulations adopted in this Title 15 of the Corona Municipal Code.

(B) Any person, firm, partnership, association or corporation violating any of the provisions adopted in this title by reference, shall be guilty of an infraction, except where otherwise provided in this Title 15. Any person violating a stop work order issued pursuant to the 2022 California Building Code, Chapter 1 Division II Section 115, shall be guilty of a misdemeanor. Any person who continues to occupy or any person who enters a structure which has been posted “unsafe” by the Building Official pursuant to the 2022 California Building Code Section 116 or Corona Municipal Code Chapter 15.56, or any person who enters or occupies a structure which has been posted “Unsafe” or “Restricted Use” pursuant to Corona Municipal Code Chapter 15.54, shall be guilty of a misdemeanor.

(C) Every person, firm, association or corporation violating any of the provisions of this chapter or provisions of the codes, rules or regulations adopted in this chapter by reference is guilty of a separate offense for each day or portion thereof during which the violation continues and shall be punishable thereof as provided in Chapter 15.70 of this code.

(D) It is unlawful for any person, firm, partnership, corporation, association or joint venture, either as owner, architect, contractor, artisan or otherwise, to do or to cause or permit to be done any work, as described in the California Building Standards Code as adopted by reference in this Title 15 in such a manner that such work does not conform to all the provisions of this Title 15 and the provisions of said California Building Standards Code, as so adopted by reference.”

SECTION 3. Chapter 15.04 of the Corona Municipal Code is hereby amended in its entirety to read as follows:

**"CHAPTER 15.04
BUILDING CODE**

Sections:

15.04.010	Title.
15.04.020	Code adoption.
15.04.030	Administration – Generally.
15.04.040	Amendments – Generally.
15.04.050	Amendment – Chapter I Division II.
15.04.060	Amendment – Section 502.1 – Address identification.
15.04.070	[Reserved]
15.04.080	[Reserved]
15.04.090	[Reserved]
15.04.100	Amendment-Section 904.3.5- Monitoring.
15.04.110	[Reserved]
15.04.120	Addition – Section 1505- Roof coverings.

15.04.130	Reserved.
15.04.140	Reserved.
15.04.150	Addition – Section 3109.1.1 - Residential swimming pools.
15.04.155	Amendment- Chapter 35 Referenced Standards-NFPA.
15.04.157	Amendment – Appendix H - Signs
15.04.160	Violation – Penalty.

15.04.010 Title.

This chapter shall be cited as the Building Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Building Code, or other building code, refers and applies to this chapter.

15.04.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as 2022 California Building Code, Volumes 1 and 2, California Code of Regulations Title 24, Part 2, including Appendices H and I, and including any supplements, errata, and revisions made thereto, are hereby adopted as the Building Code of the City of Corona.

(1) Chapter 1 Division II as adopted and amended in Chapter 15.02 of the Corona Municipal Code.

(2) Appendices A, B, C, D, E, F, G, J, K, L, M, N, O, and P are not adopted.

(B) Grading requirements and permits shall be as required by Chapter 15.36 of the Corona Municipal Code.

(C) One certified copy of the 2022 California Building Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Building Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.04.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.04.040 Amendments – Generally.

Designated sections of the 2019 California Building Code are amended to read as set forth in Sections 15.04.050 through 15.04.157.

15.04.050 Amendment – Chapter I Division II.

Chapter I Division II of the 2022 California Building Code is adopted as amended in Corona Municipal Code Chapter 15.02.

15.04.060 Amendment – Section 502.1 – Address identification.

Section 502.1 is amended by adding the following to the end of the section:

“Address numbers shall be illuminated during all hours of darkness. Number, size, location and means of illumination shall comply with the Corona Fire Prevention Standard for premises identification unless an alternative means or method is approved by the fire code official. Address numbers shall be continuously maintained to comply with this section.”

15.04.070 [Reserved].

15.04.080 [Reserved].

15.04.090 [Reserved].

15.04.100 Amendment – Section - 904.3.5 Monitoring.

Section 904.3.5 is amended in its entirety to read as follows:

“**904.3.5 Monitoring.** Where a building fire alarm or monitoring system is installed, automatic fire-extinguishing systems shall be monitored by the building fire alarm or monitoring system in accordance with NFPA 72.”

15.04.110 [Reserved].

15.04.120 Addition – Section 1505 – Roof coverings.

Section 1505 is amended by adding the following subsection 1505.1.4 thereto as follows:

“**1505.1.4 Class A roof covering requirement.** Notwithstanding any other provision of this Building Code and Appendices to the contrary, Class A roof covering, as defined in Chapter 15 of the 2019 California Building Code, shall be applied:

1. To any building hereinafter constructed.
2. To any re-roofing of existing buildings, when fifty percent (50%) or more of the existing roof is replaced or overlaid within a 1 year period.
3. To any room additions where the aggregate area of the new roof exceeds fifty percent (50%) of the aggregate area of the existing roof.”

15.04.130 [Reserved.]

15.04.140 [Reserved.]

15.04.150 Addition – Section 3109.1.1 - Residential swimming pools.

Section 3109.1 is amended by adding the following subsection 3109.1.1 to read as follows:

“3109.1.1 Existing pools. The legal use of a swimming pool existing before the effective date of this chapter may continue, provided that the swimming pool is provided with an adequate barrier, as reasonably determined by the Building Official consistent with this chapter, and provided that the swimming pool, and/or the use thereof, does not create a safety hazard.”

15.04.155 Amendment- Chapter 35 Referenced Standards.

“Chapter 35 – Referenced Standards is adopted in its entirety with the following amendments:

NFPA 13, 2022 Edition, Installation of Sprinkler Systems is hereby amended as follows:

Section 6.12.3.3 is hereby amended to read as follows:

16.12.3.3 Fire Department connections (FDC) shall be of an approved type. The FDC shall contain a minimum of two 2 ½” inlets. The location shall be approved and be no more than 150 feet from a public hydrant. The FDC may be located within 150 feet of a private fire hydrant when approved by the fire code official. The size of piping and the number of inlets shall be approved by the fire code official. Fire department inlet connections shall be painted OSHA safety red. When the fire sprinkler design density requires 500 gpm (including hose stream demand) or greater, or a standpipe system is included, two 2 ½” inlets and one 4” swivel female NST inlet shall be provided. FDC inlets shall be equipped with check valves.

Section 9.4.3 is hereby amended to read as follows:

9.4.3. When fire sprinkler systems are installed in shell buildings of undetermined use (Spec Buildings) other than warehouses (S occupancies), fire sprinklers of the quick-response type shall be used. Use is considered undetermined if a specific tenant/occupant is not identified at the time the fire sprinkler plan is submitted.

Sprinklers in light hazard occupancies shall be one of the following:

- (1) Quick-response type as defined in Section 3.6.4.8
- (2) Residential sprinklers in accordance with the requirements of Section 8.4.5
- (3) Standard spray sprinklers used for modifications or additions to existing light hazard systems equipped with standard spray sprinklers
- (4) Standard spray sprinklers used where individual standard spray sprinklers are replaced in existing light hazard systems

Section 16.12.5.7 is hereby amended to read as follows:

16.12.5.7 Fire department connections shall be on the street side of buildings and shall be located and arranged so that they are immediately adjacent to the approved fire department access road. Fire department connections shall be located such that hose lines can be readily and conveniently attached to the inlets without interference from nearby objects, including but not limited to, buildings, fences, posts, vegetation or other fire department connections.

Section 19.1.1.2 is hereby added to read as follows:

19.1.1.2 Undetermined Use Design Requirements. When fire sprinkler systems are required in buildings of undetermined use other than warehouses, they shall be designed and installed to have a fire sprinkler density of not less than that required for an Ordinary Hazard Group 2 use, with no reduction(s) in density or design area. Warehouse fire sprinkler systems shall be designed to Figure 16.2.1.3.2(a) curve “G”. Use is considered undetermined if a specific tenant/occupant is not identified at the time the sprinkler plan is submitted. Where a subsequent occupancy requires a system with greater capability, it shall be the responsibility of the occupant to upgrade the system to the required density for the new occupancy.

NFPA 13D 2022 Edition Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes is hereby amended as follows:

Section 4.1.4 is hereby added to read as follows:

4.1.4 Stock of Spare Sprinklers

4.1.4.1 A supply of at least two sprinklers of each type shall be maintained on the premises so that any sprinklers that are not functioning or have been damaged in any way can be promptly replaced.

4.1.4.2 The spare sprinklers shall be the same types and temperature ratings as installed in the dwelling.

4.1.4.3 The sprinklers shall be kept in a cabinet located where the temperature to which they are subjected will at no time exceed 100°F.

4.1.4.4 A special sprinkler wrench shall be provided and kept in the spare head cabinet to be used in the removal and installation of sprinklers. One sprinkler wrench shall be provided for each type of sprinkler installed.

Section 7.3 Pressure Gauges is amended to add the following Subsection 7.3.4 to read as follows:

7.3.4 Pressure Gauges. At least one water pressure gauge shall be installed on the riser assembly.

Section 7.6 Alarms is hereby amended in its entirety to read as follows:

7.6 Alarms. Exterior alarm indicating device shall be listed for outside service and audible from the street from which the house is addressed. Exterior audible devices shall be placed on the front or side of the structure and the location subject to approval by the fire code official. Additional interior alarm devices shall be required to provide audibility throughout the structure and shall be powered from an uninterruptible circuit service normally servicing other appliances in the residence.

Exceptions:

1. When an approved water flow monitoring system is installed, interior audible devices may be powered through the fire alarm control panel.
2. When single- or multiple-station smoke alarms specified in CBC 907.2.11 are used to sound an alarm upon waterflow switch activation.”

15.04.157 Amendment - Appendix H - Signs

Section H101.2 of Appendix H is amended in its entirety to read as follows:

“H101.2 Permits required. A building permit is required for any sign which requires a sign permit as specified in Chapter 17.74 of the Corona Municipal Code, except signs painted directly onto an existing building, sign structure, or sign board; or the refacing of a previously approved sign canister with Plexiglas, flexible sign face or similar material provided no structural changes are made to the sign structure or canister.”

15.04.160 Violation- Penalty.

The violation and penalties for Chapter 15.04 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 4. Chapter 15.05 of Title 15 of the Corona Municipal Code is hereby amended in its entirety to read as follows:

**"Chapter 15.05
GREEN BUILDING CODE**

Sections:

- | | |
|-----------|---------------------------|
| 15.05.010 | Title. |
| 15.05.020 | Code adoption. |
| 15.05.030 | Administration-Generally. |
| 15.05.040 | Violation – Penalty. |

15.05.010 Title.

This chapter shall be cited as the Green Building Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Green Building Standards Code, Cal Green, or other green building code, refers and applies to this chapter.

15.05.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as 2022 California Green Building Standards Code, California Code of Regulations Title 24, Part 11, Chapters 1 through 8, not including the appendices, and including any supplements, errata, and revisions made thereto, are hereby adopted as the Green Building Code of the City of Corona. (1) Appendices A4, A5, and A6.1 are not adopted as part of this code.

(B) One certified copy of the 2022 California Green Building Standards Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Green Building Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.05.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.05.040 Violation- Penalty.

The violation and penalties for Chapter 15.05 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 5. Chapter 15.07 of the Corona Municipal Code is hereby amended in its entirety to read as follows:

**"Chapter 15.07
RESIDENTIAL CODE**

Sections:

- 15.07.010 Title.
- 15.07.020 Code adoption.
- 15.07.030 Administration - Generally.
- 15.07.040 Amendments – Generally.
- 15.07.050 [Reserved]
- 15.07.060 Amendment - Section R319.1- Address identification.
- 15.07.070 Addition - Section R902.1.4 - Roof covering materials.
- 15.07.080 [Reserved]
- 15.07.090 Amendment-Chapter 44 Referenced Standards.
- 15.07.100 Violation – Penalty.

15.07.010 Title.

This chapter shall be cited as the Residential Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Residential Code, or other residential code, refers and applies to this chapter.

15.07.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as 2022 California Residential Code, California Code of Regulations Title 24, Part 2.5, including Appendix AH, and including any supplements, errata, and revisions made thereto, is hereby adopted as the Residential Code of the City of Corona.

- (1) Chapter 1 Division II is not adopted.
- (2) Appendices AA, AB, AC, AD, AE, AF, AG, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, and AZ are not adopted as part of this code.

(B) One certified copy of the 2022 California Residential Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Residential Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.07.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.07.040 Amendments – Generally.

Designated sections of the 2022 California Residential Code are amended to read as set forth in Sections 15.07.050 through 15.04.090.

15.07.050 [Reserved].

15.07.060 Amendment - Section R319.1 Address identification.

Section R319.1 is amended by adding the following to the end of the section:

“Address numbers shall be illuminated during all hours of darkness. Number, size, location and means of illumination shall comply with the Corona Fire Prevention Standard for premises identification unless an alternative means or method is approved by the fire code official. Address numbers shall be continuously maintained to comply with this section.”

15.07.070 Addition – Section R902.1.4 – Roof covering materials.

Section R902.1 is amended by adding the following subsection R902.1.4 to read as follows:

“R902.1.4 Class A roof covering requirement. Notwithstanding any other provision of this Building Code and Appendices to the contrary, Class A roof covering, as defined in Chapter 15 of the 2019 California Building Code, shall be applied:

1. To any building hereinafter constructed.
2. To any re-roofing of existing buildings, when fifty percent (50%) or more of the existing roof is replaced or overlaid within a 1 year period.
3. To any room additions where the aggregate area of the new roof exceeds fifty percent (50%) of the aggregate area of the existing roof.”

15.07.080 [Reserved].

15.07.090 Amendment- Chapter 44 Referenced Standards.

“Chapter 44 – Referenced Standards is adopted in its entirety with the following amendments:

NFPA 13, 2022 Edition, Installation of Sprinkler Systems is hereby amended to read as follows:

Section 16.12.3.3 is hereby amended to read as follows:

16.12.3.3 Fire Department connections (*FDC*) shall be of an approved type. The FDC shall contain a minimum of two 2 ½” inlets. The location shall be approved by the fire code official and be no more than 150 feet from a public hydrant. The FDC may be located within 150 feet of a private fire hydrant when approved by the fire code official. The size of piping and the number of inlets shall be approved by the fire code official. Fire department inlet connections shall be painted OSHA safety red. When the fire sprinkler design density requires 500 gpm (including hose stream demand) or greater, or a standpipe system is included, two 2 ½” inlets and one 4” swivel female NST inlet shall be provided. FDC inlets must be equipped with check valves.

Section 9.4.3 is hereby amended to read as follows:

9.4.3 . When fire sprinkler systems are installed in shell buildings of undetermined use (Spec Buildings) other than warehouses (S occupancies), fire sprinklers of the quick-response type shall be used. Use is considered undetermined if a specific tenant/occupant is not identified at the time the fire sprinkler plan is submitted.

Sprinklers in light hazard occupancies shall be one of the following:

- (1) Quick-response type as defined in Section 3.6.4.8
- (2) Residential sprinklers in accordance with the requirements of Section 8.4.5
- (3) Standard spray sprinklers used for modifications or additions to existing light hazard systems equipped with standard spray sprinklers

- (4) Standard spray sprinklers used where individual standard spray sprinklers are replaced in existing light hazard systems

Section 16.12.5.7. is hereby amended to read as follows:

16.12.5.7 Fire department connections shall be on the street side of buildings and shall be located and arranged so that they are immediately adjacent to the approved fire department access road. Fire department connections shall be located such that hose lines can be readily and conveniently attached to the inlets without interference from nearby objects, including but not limited to, buildings, fences, posts, vegetation or other fire department connections.

Section 19.1.1.2 is hereby added to read as follows:

19.1.1.2 Undetermined Use Design Requirements. When fire sprinkler systems are required in buildings of undetermined use other than warehouses, they shall be designed and installed to have a fire sprinkler density of not less than that required for an Ordinary Hazard Group 2 use, with no reduction(s) in density or design area. Warehouse fire sprinkler systems shall be designed to Figure 16.2.1.3.2(a) curve “G”. Use is considered undetermined if a specific tenant/occupant is not identified at the time the sprinkler plan is submitted. Where a subsequent occupancy requires a system with greater capability, it shall be the responsibility of the occupant to upgrade the system to the required density for the new occupancy.

NFPA 13D 2022 Edition Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes is hereby amended as follows:

Section 4.1.4 is hereby added to read as follows:

4.1.4 Stock of Spare Sprinklers

4.1.4.1 A supply of at least two sprinklers of each type shall be maintained on the premises so that any sprinklers that have operated or been damaged in any way can be promptly replaced.

4.1.4.2 The spare sprinklers shall be the same types and temperature ratings as installed in the dwelling.

4.1.4.3 The sprinklers shall be kept in a cabinet located where the temperature to which they are subjected will at no time exceed 100°F.

4.1.4.4 A special sprinkler wrench shall be provided and kept in the spare head cabinet to be used in the removal and installation of sprinklers. One sprinkler wrench shall be provided for each type of sprinkler installed.

Section 7.3 Pressure Gauges is amended to add the following Subsection 7.3.4 to read as follows:

7.3.4 Pressure Gauges At least one water pressure gauge shall be installed on the riser assembly.

Section 7.6 Alarms is hereby amended its entirety to read as follows:

7.6 Alarms. Exterior alarm indicating device shall be listed for outside service and audible from the street from which the house is addressed. Exterior audible devices shall be placed on the front or side of the structure and the location subject to approval by the fire code official. Additional interior alarm devices shall be required to provide audibility throughout the structure and shall be powered from an uninterruptible circuit serving normally operated appliances in the residence.

Exception:

1. When an approved water flow monitoring system is installed, interior audible devices may be powered through the fire alarm control panel.
2. When single or multiple station smoke alarms specified in CBC 907.2.11 are used to sound an alarm upon water flow switch activation.”

15.07.100 Violation- Penalty.

The violation and penalties for Chapter 15.07 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 6. Chapter 15.08 of Title 15 of the Corona Municipal Code is hereby amended in its entirety to read as follows:

**"Chapter 15.08
MECHANICAL CODE**

Sections:

- | | |
|-----------|----------------------|
| 15.08.010 | Title. |
| 15.08.020 | Code adoption. |
| 15.08.030 | Administration. |
| 15.08.040 | [Reserved] |
| 15.08.050 | Violation – Penalty. |

15.08.010 Title.

This chapter shall be cited as the Mechanical Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Mechanical Code, or other mechanical code, refers and applies to this chapter.

15.08.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as the 2022 California Mechanical Code, California Code of Regulations Title 24, Part 4, including any supplements, errata, and revisions made thereto, are hereby adopted as the Mechanical Code of the City of Corona.

- (1) Chapter 1 Division II is not adopted as part of this code.
- (2) Appendices A, B, C, D, E, F, G, and H are not adopted as part of this code.

(B) One certified copy of the 2022 California Mechanical Code is on file in the office of the Building Official, and any and all references thereto, are adopted as the Mechanical Code of the City of Corona, and each and all the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.08.030 Administration.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.08.040 [Reserved].

15.08.050 Violation – Penalty.

The violation and penalties for Chapter 15.08 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 7. Chapter 15.09 is hereby added to Title 15 of the Corona Municipal Code to read in its entirety as follows:

**"Chapter 15.09
ENERGY CODE**

Sections:

- 15.09.010 Title.
- 15.09.020 Code adoption.
- 15.09.030 Administration-Generally.
- 15.09.040 Violation – Penalty.

15.09.010 Title.

This chapter shall be cited as the Energy Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Energy Code, Title 24 Energy Code or other energy code, refers and applies to this chapter.

15.09.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as 2022 California Energy Code, California Code of Regulations Title 24, Part 6, including any supplements, errata, and revisions made thereto, are hereby adopted as the Energy Code of the City of Corona. (B) One certified copy of the 2022 California Energy Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Energy Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.09.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.09.040 Violation- Penalty.

The violation and penalties for Chapter 15.09 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 8. Chapter 15.10 is hereby added to Title 15 of the Corona Municipal Code to read in its entirety as follows:

**"Chapter 15.10
HISTORICAL BUILDING CODE**

Sections:

- 15.10.010 Title.
- 15.10.020 Code adoption.
- 15.10.030 Administration-Generally.
- 15.10.040 Violation – Penalty.

15.10.010 Title.

This chapter shall be cited as the Historical Building Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Historical Building Code, or other historic building code, refers and applies to this chapter.

15.10.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as 2022 California Historical Building Code, California Code of Regulations Title 24, Part 8, including any supplements, errata, and revisions made thereto, are hereby adopted as the Historical Building Code of the City of Corona.

(B) One certified copy of the 2022 California Historical Building Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Historical Building Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.10.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.10.040 Violation- Penalty.

The violation and penalties for Chapter 15.10 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 9. Chapter 15.11 is hereby added to Title 15 of the Corona Municipal Code to read in its entirety as follows:

**"Chapter 15.11
EXISTING BUILDING CODE**

Sections:

- 15.11.010 Title.
- 15.11.020 Code adoption.
- 15.11.030 Administration-Generally.
- 15.11.040 Violation – Penalty.

15.11.010 Title.

This chapter shall be cited as the Existing Building Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Existing Building Code, or other existing building code, refers and applies to this chapter.

15.11.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as 2022 California Existing Building Code, California Code of Regulations Title 24, Part 10, including any supplements, errata, and revisions made thereto, excluding the chapters referenced below, are hereby adopted as the Existing Building Code of the City of Corona.

- (1) Chapter 1 Division II is not adopted as part of this code.
- (2) Chapters 6 through 13 are not adopted as part of this code.
- (3) Appendix Chapters A4, C1, C2, C3, and Appendices B and D are not adopted as part of this code.
- (4) Appendix Chapters A1, A2, A3, and A5 are adopted as part of this code.
- (5) Resource Chapter A is not adopted as part of this code.

(B) One certified copy of the 2022 California Existing Building Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Existing Building Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.11.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.11.040 Violation- Penalty.

The violation and penalties for Chapter 15.11 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 10. Chapter 15.12 of Title 15 of Corona Municipal Code is hereby amended in its entirety to read as follows:

**" CHAPTER 15.12
FIRE CODE**

Sections

- 15.12.010 Title.
- 15.12.020 Code adoption.
- 15.12.030 Amendments - Generally.
- 15.12.040 Amendment - Section 104.2.1 - Plan review fees.
- 15.12.050 Amendment - Section 105.6 - Required operational permits.
- 15.12.060 Amendment - Section 112.4 - Violation penalties.
- 15.12.070 Addition - Section 112.4.2 - Restitution.
- 15.12.080 Amendment - Section 202 - Definitions.
- 15.12.090 Addition - Section 304.1.2 - Vegetations.
- 15.12.100 Addition - Section 305.6 - Hazardous Conditions.
- 15.12.110 Addition - Section 307.6 - Outdoor fireplaces, fire pits, fire rings, and similar devices used at Group R occupancies.
- 15.12.120 Addition - Section 307.7 - Outdoor fires.
- 15.12.130 Amendment - Section 308.1.6.3 - Sky lanterns.
- 15.12.140 Added - Section 324 - Fuel modification requirements for new construction.
- 15.12.150 Added - Section 325 - Clearance of brush or vegetation growth from roadways.
- 15.12.160 Added - Section 326 - Unusual circumstances.
- 15.12.170 Added - Section 327 - Restricted entry.
- 15.12.180 Amendment - Section 503.2.1 - Dimensions.
- 15.12.190 Amendment - Section 503.2.4 - Turning radius.
- 15.12.200 Addition - Section 503.7 - Two points of access.
- 15.12.210 Amendment - Section 505.1 - Address identification.
- 15.12.220 Amendment - Section 507.5.1 - Hydrant locations.
- 15.12.230 Amendment - Section 507.5.5 - Clear space around exterior-fire protection equipment.
- 15.12.240 Addition - Section 507.5.7 - Fire hydrant size and outlets. 15.12.250 Amendment - Section 510.1 - Emergency responder radio coverage in new buildings.
- 15.12.260 Amendment - Section 510.4.1.3 - System performance.
- 15.12.270 Addition - Section 710 - Eave protection.
- 15.12.280 Addition - Section 903.3.5.3 - Hydraulically calculated systems.
- 15.12.290 Amendment - Section 904.3.5 - Monitoring.
- 15.12.300 Added - Section 1201.1.1 - Other systems.
- 15.12.310 Amendment - Section 4907.3 - Requirements.
- 15.12.320 Addition - Section 4911 - Fuel modification for new construction.
- 15.12.330 Amendment - Section 5001.5.2 - Hazardous materials inventory statement (HMIS).
- 15.12.340 Addition - Section 5608.2 - Firing.
- 15.12.350 Amendment - Chapter 80 - Reference standards.
- 15.12.360 Amendment - Section B105.1 of Appendix B - One- and two-family dwellings.

- 15.12.370 Amendment - Section B105.2 of Appendix B - Buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses.
- 15.12.380 Amendment - Table B105.1(1), B105.1(2) and B105.2 of Appendix B - Minimum required fire flow and flow duration for buildings.
- 15.12.390 Amendment - Table C102.1 of Appendix C - Number and distribution of fire hydrants.
- 15.12.400 Violation - Penalty.

15.12.010 Title.

This chapter shall be cited as the Fire Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Fire Code, or other fire code, refers and applies to this chapter.

15.12.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as the 2022 California Fire Code, and that certain document being marked and designated as the 2021 International Fire Code, with errata, and including the following appendices, are hereby adopted as the Fire Code for the City of Corona:

- (1) Appendix Chapter 4.
- (2) Appendices B, C, E, F, G & O.
- (3) Appendices A, BB, CC, D, H, I, J, K, L, M, N, and P are not adopted.

(4) In addition, Chapter 3 and Sections 403.11, 503, 510, 1103.2 and 5707, which were excluded in the 2022 California Fire Code, are hereby adopted and included in the Fire Code for the City of Corona.

(B) One certified copy of each of the 2022 California Fire Code and 2021 International Fire Code are on file in the office of the Building Official, and any and all references thereto, are adopted as the Fire Code and each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.12.030 Amendments - Generally.

Designated sections of the California Fire Code are amended to read as set forth in sections 15.12.040 through 15.12.390.

15.12.040 Amendment - Section 104.2.1 - Plan review fees.

Subsection 104.2.1 is added to read as follows:

"104.2.1 Plan Review Fees. When it is determined by the fire code official that plans submitted require a full plan review and such plans are received independent of the architectural plans, a fee

shall be collected. The fee shall be based on 100% of the cost of service, based on the fee schedule adopted by the City Council."

15.12.050 Amendment - Section 105.5 - Required operational permits.

Section 105.5 is amended by deleting subsections 105.5.17 and 105.5.41 in their entirety and adding subsection 105.5.22.1 to read as follows:

"105.5.22.1 **Hazardous Materials for Special Events.** One operational permit is required and will cover special events where one or more of the following hazardous materials is stored, transported on site, dispensed, used or handled in excess of the amounts listed in Section 105: 1 liquid petroleum gas, compressed gases and flammable and combustible liquids."

15.12.060 Amendment - Section 112.4 - Violation penalties.

Section 112.4 is amended in its entirety to read as follows:

"112.4 Violation Penalties. Persons who violate a provision of this code or fail to comply with any of the requirements thereof or who erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of either a misdemeanor, infraction or both as prescribed in Section 112.4.2.1 and 112.4.2.2. Each day that a violation continues after due notice has been served shall be deemed a separate offense."

15.12.070 Addition - Section 112.4.2 - Restitution.

Section 112.4.2 is added to read as follows:

"Restitution. In addition to any other penalties or provisions for restitution that may be provided for by the law, the expense of securing any emergency which is a result of a violation of this code or any other code, ordinance or State law, is a charge against the person whose violation caused the emergency. Expenses incurred for securing such emergency shall constitute a debt of such person and is collectible by the code official in the same manner as in the case of an obligation under contract, expressed or implied."

112.4.2.1 Infraction. Except as provided in Section 112.4.2.2, persons operating or maintaining any occupancy, premises or vehicle subject to this code that shall permit any fire or life safety hazard to exist on premises under their control shall be guilty of an infraction.

112.4.2.2 Misdemeanor. Persons who fail to take immediate action to abate a fire or life safety hazard when ordered or notified to do so by the fire code official or a duly authorized representative, or who violate the following sections of this code, shall be guilty of a misdemeanor:

104.12.2 Obstructing operations

104.12.3 Systems and Devices

109.6 Overcrowding

112.3.2 Compliance with Orders, Notices and Tags

113.4 Failure to Comply

- 305.4 Deliberate or negligent burning
- 308.1.2 Throwing or placing sources of ignition
- 310.7 Burning Objects
- 3107.4 Open or exposed flames”

15.12.080 Amendment - Section 202 - Definitions.

Section 202 General Definitions is amended by adding thereto the following definitions:

"All Weather Driving Surface. An all weather driving surface is a concrete or asphalt covering over base material and a roadbed compacted to ninety-five percent, and of sufficient thickness to support heavy fire apparatus (approximately 75,000 gross vehicle weight) with a grade of no more than ten percent (10%) and a minimum width of twenty-eight (28) feet, unless approval for a lesser amount is obtained from the Fire code official."

"Spark Arrester. A listed device constructed of noncombustible material specifically for the purpose of meeting one of the following conditions:

1. Removing and retaining carbon and other flammable particles/debris from the exhaust flow of an internal combustion engine in accordance with California Vehicle Code Section 38366.
2. Preventing the emission of flammable debris from combustion sources, such as internal combustion engines, fireplaces, and wood burning stoves.”

15.12.090 Amendment - Section 304.1.2 - Vegetations.

Section 304.1.2 Vegetation is amended in its entirety to read as follows:

"304.1.2 Vegetation. Weeds, grass, vines or other growth that is capable of being ignited and endangering property, shall be cut down and removed by the owner or occupant of the premises. Vegetation clearance requirement in urban-wildland interface areas shall be in accordance with Chapter 49 and the City of Corona Vegetation Management Guidelines, which the fire code official is hereby authorized to develop and implement."

15.12.100 Addition - Section 305.6 - Hazardous Conditions.

Section 305.6 is hereby added to read as follows:

"305.6 Hazardous conditions. Outdoor fires burning wood or other solid fuel otherwise permitted by Sections 307.6 and 307.7 are prohibited when any of the following conditions apply:

1. When sustained winds exceeding 8 MPH are predicted, as determined by the fire code official based upon reasonable and verifiable data.
2. When the relative humidity is less than 25%.
3. When a red flag condition has been declared by the fire code official.

4. When otherwise prohibited by the fire code official after the posting of notice of such prohibition at City Hall in a location that is freely accessible to members of the public, on the City's website and any other locations or social media sites that the fire code official determines are necessary or appropriate.

Outdoor fires using any fuel type are prohibited when sustained winds exceeding 20 MPH are predicted, as determined by the fire code official based upon reasonable and verifiable data, or when such fires present a hazard as determined by the fire code official.”

15.12.110 Addition - Section 307.6 - Outdoor fireplaces, fire pits, fire rings and similar devices used at Group R occupancies.

Section 307.6 is hereby added to read as follows:

"307.6 Outdoor Fireplaces, Fire Pits, Fire Rings, or similar devices used at Group R Occupancies. Outdoor fireplaces, fire pits, fire rings, or similar exterior devices used at Group R occupancies shall comply with this section.

Exception: Barbeques, grills, and portable devices intended solely for cooking.

307.6.1 Gas-fueled devices. Outdoor fireplaces, fire pits and similar devices that are fueled by natural gas or liquefied-petroleum gas and designed to only burn a gas flame and not wood or other solid fuel are allowed when approved by the Building Division. At R-3 occupancies, combustible construction material and vegetation shall not be located within three feet of an atmospheric column that extends vertically from the perimeter of the outdoor fireplace, fire pit or similar device. At other R occupancies, the minimum distance shall be ten feet. Where a permanent hood and vent that has been approved by the Building Division is installed, combustible construction material may encroach upon this column between the bottom of the hood and the vent opening. All chimneys or vents installed in outdoor fireplaces, fire pits and similar devices shall have a spark arrester as defined in Section 202.

307.6.2 Devices using wood or fuels other than natural gas or liquefied-petroleum gas. Permanent outdoor fireplaces designed to burn wood or other solid fuel shall be constructed in accordance with the California Building Code with clearance from combustible construction material and building openings as required therein. Fires in a fireplace shall be contained within a firebox with an attached chimney. The opening in the face of the firebox shall have a spark arrester.

The burning of wood or other solid fuel in a device is prohibited within 25 feet of combustible structures unless contained within an approved permanent fireplace. Conditions which could cause a fire to spread within 25 feet of a structure or to vegetation shall be eliminated prior to ignition. Fires in devices burning wood or solid fuel shall be in accordance with Sections 305, 307, and 308.

Exceptions:

1. Portable fireplaces and fire rings/pits equipped with a spark arrester that are located at least 3 feet from combustible construction at R-3 occupancies.
2. Portable fireplaces, and fire pits/rings equipped with a device to arrest sparks, that are located at least 15 feet from combustible structures at all other R occupancies.

307.6.2.1 Where prohibited. The burning of wood and other solid fuels is prohibited within a fuel modification zone, Wildland-Urban Interface Area (WUI), or in locations where conditions could cause the spread of fire to the WUI.

Exceptions:

1. Permanent fireplaces that are not located in a fuel modification zone.
2. Where determined by the fire code official that the location or design of the device does not reasonably present a risk of a wildfire."

15.12.120 Added - Section 307.7 - Outdoor fires.

Section 307.7 is hereby added to read as follows:

"No person shall kindle, build, light or maintain, or authorize to be kindled, built or maintained, a fire in any place other than facilities specifically designed and built for that purpose. Any fire that is built, lit, kindled or maintained pursuant to this section shall comply with all applicable permits and other regulations of air pollution control authorities and all other laws, rules and regulations. Except as provided in Section 307.6 for Group R occupancies, the use of flammable or combustible liquids (except for approved charcoal lighter fluid) are strictly prohibited. Fires shall be attended by persons over twenty-one (21) years of age at all times until extinguished. A portable fire extinguisher or other approved equipment or method of extinguishing the fire shall be available for immediate use. Fires shall be fully extinguished before vacating the area."

15.12.130 Amendment - Section 308.1.6.3 - Sky lanterns.

Section 308.1.6.3 is hereby amended in its entirety to read as follows:

"308.1.6.3 Sky lanterns. A person shall not ignite, release, or cause to be released a sky lantern."

15.12.140 Added - Section 324 - Fuel modification requirements for new construction.

Section 324 is hereby added to read as follows:

"324 Fuel modification requirements for new construction. All new structures and facilities proposed to be constructed adjacent to land containing hazardous combustible vegetation, as determined by the fire code official, shall be reviewed in accordance with and shall be subject to the requirements of the City of Corona Vegetation Management Guidelines

15.12.150 Added - Section 325 - Clearance of brush or vegetation growth from roadways.

Section 325 is hereby added to read as follows:

"325 Clearance of brush or vegetation growth from roadways. The fire code official is authorized to cause areas within 10 feet (3048 mm) on each side of portions of highways and private streets which are improved, designed or ordinarily used for vehicular traffic, to be cleared of flammable vegetation and other combustible growth. Measurement of the required clearance area shall be from the flow-line or the end of the improved edge of the roadway surfaces.

Exception: Single specimens of trees, ornamental shrubbery or cultivated ground cover such as green grass, ivy, succulents or similar plants used as ground covers, provided that they do not form a means of readily transmitting fire."

15.12.160 Added - Section 326 - Unusual circumstances.

Section 326 is hereby added to read as follows:

"326 Unusual circumstances. The fire code official may suspend enforcement of the City of Corona Vegetation Management Guidelines, and require reasonable alternative measures designed to advance the purpose of this code if determined that in any specific case that any of the following conditions exist:

1. Difficult terrain.
2. Danger of erosion.
3. Presence of plants included in any state and federal resources agencies, California Native Plant Society and county-approved list of wildlife, plants, rare, endangered and/or threatened species.
4. Stands or groves of trees or heritage trees.
5. Other unusual circumstances that make strict compliance with the clearance of vegetation provisions undesirable or impractical."

15.12.170 Added - Section 327 - Restricted Entry.

Section 327 is hereby added to read as follows:

"327 Restricted entry. The fire code official shall determine and publicly announce when hazardous fire areas shall be closed to entry and when such areas shall again be opened to entry. Entry or presence on hazardous fire areas that have been closed pursuant to this section is prohibited.

Exceptions:

1. Residents and owners of private property within hazardous fire areas and their invitees and guests going to or being upon their lands.
2. Entry, in the course of duty, by peace or police officers, and other duly authorized public officers, members of a fire department and members of the United States Forest Service.

15.12.180 Amendment - Section 503.2.1 Dimensions.

Section 503.2.1 is amended in its entirety to read as follows:

"503.2.1 Dimensions. Fire apparatus access roads shall have an unobstructed width of not less than 28 feet (85,344mm) exclusive of shoulders, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 15 feet (4,572mm).

Exception: Vertical clearance may be reduced, provided such reduction does not impair access by fire apparatus and approved signs are installed and maintained indicating the established vertical clearance approved by the fire code official."

15.12.190 Amendment - Section 503.2.4 - Turning radius.

Section 503.2.4 is amended in its entirety to read as follows:

"503.2.4 Turning Radius. The required turning radius of a fire apparatus access road shall be 25 feet (7,620 mm) inside radius and 50 feet (15,240 mm) outside radius on all turns in the fire apparatus access road, unless otherwise approved by the fire code official."

15.12.200 Addition - Section 503.7 - Two points of access.

Section 503.7 is hereby added to read as follows:

"503.7 Two points of access. Two points of access shall be required for new development and when existing development density is increased, unless otherwise approved by the fire code official and justified by the fire protection plan. A secondary access point shall not satisfy the requirements of this section if it directs traffic to or from the same point as the primary access point or otherwise results in a circular traffic flow."

15.12.210 Amendment - Section 505.1 - Address identification.

Section 505.1 is amended by adding the following to the end of the section:

"Address numbers shall be illuminated during all hours of darkness. Number, size, location and means of illumination shall comply with the Corona Fire Prevention Standard for premises identification unless an alternative means or method is approved by the fire code official. Address numbers shall be continuously maintained to comply with this section."

15.12.220 Amendment - Section 507.5.1 - Hydrant locations.

Section 507.5.1 is hereby amended in its entirety to read as follows:

"507.5.1 Where required. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is located a greater distance from a hydrant on a fire apparatus access road than allowed in Appendix C - "Fire Hydrant Locations and Distribution", as measured by an approved route around the exterior of the facility or building, on-site hydrants and mains shall be provided where required by the fire code official."

Exceptions:

1. Group R-3 and U occupancies, equipped throughout with an approved automatic sprinkler system installed in accordance with CFC 903.3.1.1 or CFC 903.3.1.2 or CFC 903.3.1.3, provided the distance requirements shall not be more than 300 feet (91.5 m), unless otherwise approved by the fire code official."

15.12.230 Amendment - Section 507.5.5 - Clear space around fire protection equipment.

Section 507.5.5 is hereby amended to read as follows:

"507.5.5 Clear space around fire protection equipment. A 3-foot (914 mm) clear space shall be maintained around the circumference of fire hydrants, fire department connections, exterior fire protection system control valves, or any other exterior fire protection system component that may require immediate access, except as otherwise required or approved."

15.12.240 Addition - Section 507.5.7 Fire hydrant size and outlets

Section 507.5.7 is hereby added to read as follows:

"507.5.7 Fire Hydrant Size and Outlets. Fire hydrant size and outlets shall be required as determined by the fire code official.

1. Residential Standard - one (1) four (4) inch outlet and one (1) two and one half (2 Vz) inch outlet.

2. Super Hydrant Standard - one (1) four (4) inch outlet and two (2) two and one half (2 Vi) inch outlets.

3. Super Hydrant Enhanced - two (2) four (4) inch outlet, and one (1) two and one half (2 Vi) inch outlet."

15.12.250 Amendment - Section 510.1 - Emergency responder radio coverage in new buildings.

Section 510.1 is hereby amended in its entirety to read as follows:

"510.1 Emergency responder radio coverage in new buildings. All new buildings shall have approved radio coverage for emergency responders within the building based upon the existing coverage levels of the public safety communication systems utilized by the City, measured at the exterior of the building. This section shall not require improvement of the City's existing public safety communication systems. The building's emergency responder radio coverage system shall comply with the Corona Fire Department's Guideline for Emergency Responder Radio Coverage and, where the functionality or performance requirements in the California Fire Code are more stringent, this code.

Exceptions:

1. Structures that meet all of the following:

- a. Wood construction
- b. Single story
- c. Does not exceed 10,000 square feet

2. Multi-family residential that meet all of the following:

- a. Exterior walk up
- b. No interior corridors
- c. No subterranean storage or parking

- 3. Elevators
- 4. Single family residence"

15.12.260 Amendment - Section 510.4.1.3 - System performance.

Section 510.4.1.3 is hereby amended in its entirety to read as follows:

"510.4.1.3 System performance. Signal strength shall be sufficient to meet the requirements of the applications being utilized by public safety for emergency operations through the coverage area as specified by the fire code official in Section 510.4.2.2. A minimum signal strength of 95dBm shall be receivable within the building. A minimum signal strength of -95 dBm shall be received by the agency's radio system when transmitted from within the building."

15.12.270 Addition - Section 710 - Eave protection.

Section 710 is hereby added to read as follows:

"Section 710 Eave Protection. Buildings or structures constructed hereafter within two hundred (200) feet of high-hazard, undeveloped forest-covered, brush-covered, or grass-covered land shall have eaves or overhangs thereon protected by one-hour construction, or otherwise protected so as to prevent flying brands, ashes or sparks from entering the building or structure. The fire code official shall determine which lands are considered high-hazard, undeveloped forest-covered, brush-covered, or grass-covered for purposes of this section."

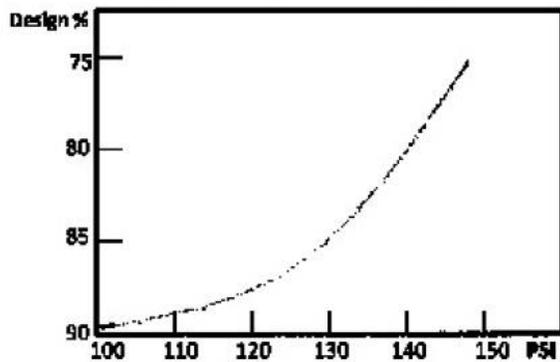
15.12.280 Addition - 903.3.5.3 - Hydraulically calculated systems.

Section 903.3.5.3 is hereby added to read as follows:

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

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

**TABLE 903.3.5.3
Hydraulically Calculated Systems**



15.12.290 Amendment - Section 904.3.5 - Monitoring.

Section 904.3.5 is amended in its entirety to read as follows:

"904.3.5 Monitoring. Where a building fire alarm or monitoring system is installed, automatic fire-extinguishing systems shall be monitored by the building fire alarm or monitoring system in accordance with NFPA 72."

15.12.300 Added - Section 1201.1.1 - Other systems.

Section 1201.1.1 is added to read as follows:

"1201.1.1 Other Systems. Where required by the fire code official, other systems and operations, including, but not limited to battery systems assembly, battery reconditioning and storage, research and development of battery storage systems, electric vehicle manufacturing and testing, and battery charging systems for cars and carts inside of buildings or structures, shall comply with this chapter.

Exception: When approved by the fire code official, charging stations for electric vehicles located in open parking garages of Type I or II construction."

15.12.310 Amendment - Section 4907.3 - Requirements.

Section 4907.3 is amended in its entirety to read as follows:

"4907.3 Requirements. Hazardous vegetation and fuels around all applicable buildings and structures shall be maintained in accordance with the following laws and regulations:

1. Public Resources Code, § 4291.
2. California Code of Regulations, Title 14, Div. 1.5, Ch. 7, Subch. 3, § 1299 (see guidance for implementation "General Guideline to Create Defensible Space").
3. California Government Code, § 51182.
4. California Code of Regulations, Title 19, Div. 1, Ch. 7, Subch. 1, § 3.07.
5. City of Corona Vegetation Management Guidelines."

15.12.320 Addition - Section 4911 - Fuel modification for new construction.

Section 4911 is added to read as follows:

"4911 Fuel Modification for New Construction. All new buildings to be built or installed in fire hazard severity zones shall comply with the following:

1. Preliminary fuel modification plans shall be submitted to and approved by the fire code official concurrent with the submittal for approval of any tentative tract map or parcel map or building permit application, as applicable.
2. Final fuel modification plans shall be submitted to and approved by the fire code official prior to the issuance of a grading permit or building permit, as applicable.

3. The fuel modification plan shall include provisions for the maintenance of the fuel modification area in perpetuity and shall meet the criteria set forth in the City of Corona Vegetation Management Guidelines.

4. The fuel modification plan may be altered if conditions change with the prior written approval of the fire code official.

5. All elements of the fuel modification plan shall be maintained in accordance with the approved plan and are subject to the enforcement process outlined in this code."

15.12.330 Addition- Section 5001.5.2 - Hazardous materials inventory statement (HMIS).

Section 5001.5.2 is hereby amended in its entirety to read as follows:

"5001.5.2 Hazardous Materials Inventory Statement (HMIS). When required by the fire code official, an application for a permit shall include Corona Fire Department's Chemical Classification Packet, which shall be completed and approved prior to approval of architectural and/or system plans, and/or the storage, use or handling of chemicals on the premises. The Chemical Classification packet shall meet the format requirements contained in the Corona Fire Department Chemical Classification Guideline."

15.12.340 Addition - Section 5608.2 - Firing.

Section 5608.2 is added to read as follows:

"Section 5608.2 - Firing. All fireworks displays shall be electronically fired."

15.12.350 Amendment - Chapter 80 - Reference standards.

The sections of Chapter 80 - Referenced Standards designated below are amended to read as follows:

"NFPA 13, 2022 Edition, Standard for the Installation of Sprinkler Systems is hereby amended as follows:

Section 16.12.3.3 is hereby amended to read as follows:

16.12.3.3 Fire Department connections (FDC) shall be of an approved type. The FDC shall contain a minimum of two 2 5/8" inlets. The location shall be approved and be no more than 150 feet from a public hydrant. The FDC may be located within 150 feet of a private fire hydrant when approved by the fire code official. The size of piping and the number of inlets shall be approved by the fire code official. Fire department inlet connections shall be painted OSHA safety red. When the fire sprinkler design density requires more than 500 gpm (including hose stream demand), or a standpipe system is included, two 2 V" inlets and one 4" swivel female NST inlet shall be provided. FDC inlets shall be equipped with check valves.

Section 9.4.3 is hereby amended to read as follows:

9.4.3 When fire sprinkler systems are installed in shell buildings of undetermined use (Spec Buildings) other than warehouses (Group S occupancies), fire sprinklers of the quick-response type shall be used. Use is considered undetermined if a specific tenant/occupant is not identified at the time of permit issuance. Sprinklers in light hazard occupancies shall be one of the following:

- (1) Quick-response type as defined in Section 3.6.4.8
- (2) Residential sprinklers in accordance with the requirements of Section 8.4.5
- (3) Quick response CMSA sprinklers
- (4) ESFR sprinklers
- (5) Standard spray sprinklers used for modifications of additions to existing light hazard systems equipped with standard spray sprinklers
- (6) Standard spray sprinklers used where individual standard spray sprinklers are replaced in existing light hazard systems

Section 16.12.5.7 is hereby amended to read as follows:

16.12.5.7 Fire department connections shall be on the street side of buildings and shall be located and arranged so that they are immediately adjacent to the approved fire department access road. Fire department connections shall be located such that hose lines can be readily and conveniently attached to the inlets without interference from nearby objects, including but not limited to, buildings, fences, posts, vegetation or other fire department connections.

Section 19.1.1.2 is hereby amended by adding the following:

19.1.1.2 When fire sprinkler systems are required in buildings of undetermined use other than warehouses, they shall be designed and installed to have a fire sprinkler design density of not less than that required for an Ordinary Hazard Group 2 use, with no reduction(s) in density or design area. Warehouse fire sprinkler systems shall be designed to Figure 16.2.1.3.2(a) curve "G". Use is considered undetermined if a specific tenant/occupant is not identified at the time of permit issuance. Where a subsequent occupancy requires a system with greater capability, it shall be the responsibility of the occupant to upgrade the system to the required density for the new occupancy.

NFPA 13D 2022 Edition, Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes is hereby amended as follows:

Section 4.1.4 is hereby added to read as follows:

4.1.4 Stock of Spare Sprinklers.

4.1.4.1 A supply of at least two sprinklers of each type shall be maintained on the premises so that any sprinklers that are not functioning or have been damaged in any way can be promptly replaced.

4.1.4.2 The spare sprinklers shall be the same types and temperature ratings as installed in the dwelling.

4.1.4.3 The sprinklers shall be kept in a cabinet located where the temperature to which they are subjected will at no time exceed 100°F.

4.1.4.4 A special sprinkler wrench shall be provided and kept in the spare head cabinet to be used in the removal and installation of sprinklers. One sprinkler wrench shall be provided for each type of sprinkler installed.

Section 5.1.1.2 is hereby deleted in its entirety.

Section 7.3 Pressure Gauges is amended to add the following Subsection 7.3.4 to read as follows:

7.3.4 At least one water pressure gauge shall be installed on the riser assembly.

Section 7.6 Alarms is hereby amended to read as follows:

7.6 Alarms. Exterior alarm indicating device shall be listed for exterior service and audible from the street from which the house is addressed. Exterior audible devices shall be placed on the front or side of the structure and the location subject to approval by the fire code official. Additional interior alarm devices shall be required to provide audibility throughout the structure and shall be powered from an uninterruptible circuit service normally servicing other appliances in the residence.

Exception:

1. When an approved water flow monitoring system is installed, interior audible devices may be powered through the fire alarm control panel.

2. When single- or multiple-station smoke alarms specified in CBC 907.2.11 are used to sound an alarm upon waterflow switch activation.

NFPA 24, 2019 Edition, Installation of Private Fire Service Mains and Their Appurtenances is hereby amended as follows:

Section 6.2.10 Two points of connection is hereby added to read as follows:

"6.2.10 Two points of connection. When the underground fireline exceeds 500 lineal feet, two points of connection to the City water supply are required.

15.12.360 Amendment - Section B105.1 of Appendix B - One- and two-family dwellings.

Section B105.1 of Appendix B is amended in its entirety to read as follows:

"B105.1 One- and two-family dwellings. The minimum fire flow and flow duration requirements for one- and two-family dwellings shall be as specified in Table B 105.1."

15.12.370 Amendment - Section B105.2 of Appendix B - Buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses.

Section B 105.2 of Appendix B is amended in its entirety to read as follows:

"B105.2 Buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses. The minimum fire flow and flow duration requirements for buildings other than one- and two-family dwellings shall be as specified in Table B 105.1.

Exception: A reduction in fire flow of up to 50 percent, as approved by the fire code official, is allowed when the building is provided with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2. The resulting fire flow shall not be less than 1,500 gallons per minute (5677.5 L/min) for the prescribed duration."

15.12.380 Amendment - Tables B105.1(1), B105.1(2) and B105.2 of Appendix B -Minimum required fire flow and flow duration for buildings.

Tables B 105.1(1), B105.1(2) and B105.2 of Appendix B are deleted in their entirety and replaced with the following:

"TABLE B105.1

MINIMUM REQUIRED FIRE-FLOW AND FLOW DURATION FOR BUILDINGS*

Use	Required Flow (gallons per minute)	Duration
One- and Two-Family Dwelling	1500 gpm	2 hours
Multi-Family Dwelling	2500 gpm	2 hours
Commercial	3000 gpm	3 hours
Industrial	3500 gpm	4 hours

*Or as otherwise required by the Fire code official"

15.12.390 Amendment - Table C102.1 of Appendix C - Number and spacing of fire hydrants.

Table C 102.1 of Appendix C is amended in its entirety to read as follows:

"TABLE C102.1

NUMBER AND SPACING OF FIRE HYDRANTS"

USE	MAXIMUM DISTANCE BETWEEN HYDRANTS (FEET)	MAXIMUM DISTANCE FROM ANY POINT ON STREET OR ROAD FRONTAGE OR FIRE DEPARTMENT ACCESS TO A HYDRANT (FEET)
One- and Two-Family Dwelling	300	150
Multi-Family Dwelling	250	125
Commercial/Industrial	250	125

15.12.400 Violation - Penalty.

When authorized by the fire code official in writing, the Building Official shall enforce provisions of this chapter under the provisions of the Corona Municipal Code, Chapter 15.70.”

SECTION 11. Chapter 15.20 of Title 15 of the Corona Municipal Code is hereby amended in its entirety to read as follows:

**"Chapter 15.20
PLUMBING CODE**

- 15.20.010 Title.
- 15.20.020 Code adoption.
- 15.20.030 Administration.
- 15.20.040 Amendments – Generally.
- 15.20.050 Addition – Section 314.3-Open trenches.
- 15.20.060 Violation – Penalty.

15.20.010 Title.

This chapter shall be cited as the Plumbing Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Plumbing Code, or other plumbing code, refers and applies to this chapter.

15.20.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as the 2022 California Plumbing Code, California Code of Regulations Title 24, Part 5, including any supplements, errata, and revisions made thereto, and including the following specifically identified appendices and portions thereof, are hereby adopted as the Plumbing Code of the City of Corona:

- (1) Chapter 1 Division II is not adopted as part of this code.
- (2) Appendices A, B, D, H, I, and M are adopted as part of this code.
- (3) Appendices C, E, F, G, J, K, L and N are not adopted as part of this code.

(B) One certified copy of the 2022 California Plumbing Code shall be kept on file in the office of the Building Official, and any and all references thereto, are adopted as the Plumbing Code of the City of Corona and each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.20.030 Administration.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.20.040 Amendments – Generally.

Designated sections of the 2022 California Plumbing Code are amended to read as set forth in Section 15.20.050.

15.20.050 Amendment – Section 314.3 - Open trenches.

Section 314.3 is amended by adding the following paragraph to the end of said section to read as follows:

“No permittee hereunder shall leave unattended at any time any excavation for sewer or sewage disposal facilities, unless the permittee shall have first provided a suitable and adequate barricade, which will prevent any person from being in any way injured as a result of said excavation. Said permittee shall at all times during the existence of said excavation maintain said barricade in a manner suitable to protect any person from being so injured.”

15.20.060 Violation--Penalty.

The violation and penalties for Chapter 15.20 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 12. Chapter 15.28 of the Corona Municipal Code is hereby amended in its entirety to read as follows:

**"CHAPTER 15.28
ELECTRICAL CODE**

Sections:

- 15.28.010 Title.
- 15.28.020 Code adoption.
- 15.28.030 Administration.
- 15.28.040 Violation – Penalty.

15.28.010 Title.

This chapter shall be cited as the Electrical Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Electrical Code, or other electrical code, refers and applies to this chapter.

15.28.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as 2022 California Electrical Code, California Code of Regulations Title 24, Part 3, including any supplements, errata, and revisions made thereto, and including the Tables and Annexes thereto, but excluding Annexes E, F, G, H, I, and J, are hereby adopted as the Electrical Code of the City of Corona.

(B) One certified copy of the 2022 California Electrical Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Electrical Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.28.030 Administration.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.28.040 Violation--Penalty.

The violation and penalties for Chapter 15.28 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 13. Section 15.52.030(B)(1) (Burglar-Resistant Material) of Chapter 15.52 (Security Provisions) of the Corona Municipal Code is hereby amended to read as follows:

“(1) **“Burglar-resistant material”** means framed glass or glass-like materials, including, but not limited to, poly-carbonate sheet plastic, acrylic sheet plastic and tempered glass that will withstand the impact of a five-pound steel ball dropped from a height of 40 feet and five impacts from a height of ten feet concentrated within a five-inch diameter area of the surface without breaking or release from frame; or other materials compliant with UL 972 or other nationally recognized standards acceptable to the Building Official.”

SECTION 14. Section 15.52.040 (Certificate of Occupancy) of Chapter 15.52 (Security Provisions) of the Corona Municipal Code is hereby amended to read as follows:

“15.52.040 Certificate of occupancy.

This chapter shall be administered and enforced by the Building Official who shall not issue a certificate of occupancy for any building or structure in occupancy groups A to U, inclusive, as provided in the city’s Building Code and as defined in § 15.52.020 until he or she has inspected the building or structure for which the certificate of occupancy is sought and has determined that all of the requirements of this chapter have been complied with.”

SECTION 15. Section 15.52.060(C) (Certified Copy of Test Standards of Comparable Performance) of Chapter 15.52 (Security Provisions) of the Corona Municipal Code is hereby amended to read as follows:

“(C) **Certified copy of test standards of comparable performance.** In lieu of the actual conduct of the described tests, the Building Official may, at his or her discretion, accept a certified copy of test standards of comparable performance issued by any manufacturer of the devices listed in this chapter. Any device then certified by that manufacturer as conforming to those test standards may be installed without further testing, provided that the certified copy of the test standards remains on file in the office of the Building Official.”

SECTION 16. Section 15.52.080(A) (Requirements – Nonresidential Building) of Chapter 15.52 (Security Provisions) of the Corona Municipal Code is hereby amended to read as follows:

“(A) The requirements of this section shall apply to nonresidential buildings, in accordance with § 15.52.020, except those buildings and structures classified as Group U occupancy, as defined in the city’s Building Code.”

SECTION 17. Section 15.52.140 (Agricultural Buildings) of Chapter 15.52 (Security Provisions) of the Corona Municipal Code is hereby amended to read as follows:

“15.52.140 Agricultural buildings.

All agricultural buildings, classified as Group U Occupancy, as described in the city’s Building Code, shall conform to the requirements for nonresidential buildings provided hereinabove, except that the Building Official may, at his or her discretion, exempt any agricultural building or structure which is used solely for the housing of livestock or other animals.”

SECTION 18. Section 15.56.250(D) (Violations) of Chapter 15.56 (Unsafe Buildings) of the Corona Municipal Code is hereby amended to read as follows:

“(D) Any person, firm, partnership, association or corporation violating any of the provisions of this chapter or provisions of the codes, rules or regulations adopted in this chapter by reference shall be guilty of an infraction. Any person who continues to occupy or any person who enters a structure which has been posted "unsafe" by the Building Official pursuant to California Building Code § 116 or Chapter 15.56 of this code shall be guilty of a misdemeanor.”

SECTION 19. Section 15.60.020(D) (Definitions) of Chapter 15.60 (Underground Wires) of the Corona Municipal Code is hereby amended to read as follows:

“(D) "Service" has the same meaning as the term is defined in the California Electrical Code, 2022 edition, as adopted by § 15.28.020.”

SECTION 20. Section 15.60.080 (Nonconformance - Termination) of Chapter 15.60 (Underground Wires) of the Corona Municipal Code is hereby amended to read as follows:

“(B) The term “cost of replacing,” as used in this section means those costs as computed by the city’s principal planning and building official or his or her delegated representative. In making the computation, the city official shall use those tables and figures provided in that document entitled "Building Valuation Data," as published by International Code Council and which is current at the time of such computations. The tables and figures shall apply to a building which would conform to all the city and state regulations, including city’s building, plumbing, wiring, mechanical, fire codes and zoning regulations which are effective at the time of the computation.”

SECTION 21. Prior Ordinances Repealed. Upon the effective date of this Ordinance, all former ordinances or parts thereof conflicting or inconsistent with the provisions of this Ordinance or the codes herein adopted by reference and any other ordinance in conflict herewith are hereby repealed and declared to be of no further force and effect.

SECTION 22. CEQA. The City Council finds that the adoption of the California Building Standards Code and the amendments proposed herein are exempt pursuant to Section 15061(b)(3) of the Guidelines for the California Environmental Quality Act (CEQA), which states that a project is exempt from CEQA if the activity is covered by the general rule that CEQA applies only to projects that have the potential for causing a significant effect on the environment. Where 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. This Ordinance, which adopts updated building and safety standards, is enacted to mitigate the threats posed to public peace, health and safety from earthquakes, high winds and fire. In this regard, the recitals set forth in this Ordinance are incorporated herein by reference as findings. Therefore, there is no possibility that adopting this Ordinance will have a significant effect on the environment and no further environmental analysis is required. Staff is directed to file a notice of exemption within five (5) days of the adoption of this Ordinance.

SECTION 23. Severability. If any section, subsection, subdivision, paragraph, sentence, clause or phrase added by this Ordinance, or any part thereof, is for any reason held to be unconstitutional or invalid or ineffective by any court of competent jurisdiction, such decision shall not affect the validity or effectiveness of the remaining portions of this Ordinance or any part thereof. The City Council hereby declares that it would have passed each section, subsection, subdivision, paragraph, sentence, clause or phrase thereof irrespective of the fact that any one or more subsections, subdivisions, paragraphs, sentences, clauses or phrases are declared unconstitutional, invalid or ineffective.

SECTION 24. Certification/Publication. The Mayor shall sign this ordinance and the City Clerk shall attest thereto and shall within fifteen days of its adoption cause it or a summary of it to be published in the Press Enterprise, a newspaper published and circulated in the City of Corona; and thereupon and thereafter this ordinance shall take effect and be in force according to law.

SECTION 25. Effective Date. This Ordinance shall take effect thirty (30) days following its adoption by the City Council or on January 1, 2023, whichever is later.

PASSED, APPROVED AND ADOPTED this 7th day of December, 2022.

Mayor of the City of Corona, California

ATTEST:

City Clerk of the City of Corona, California

CERTIFICATION

I, Sylvia Edwards, City Clerk of the City of Corona, California, do hereby certify that the foregoing Ordinance was regularly introduced at a regular meeting of the City Council of the City of Corona, California, duly held the 16th day of November, 2022 and thereafter at a regular adjourned meeting held on the 7th day of December, 2022, it was duly passed and adopted by the following vote of the Council:

AYES:

NOES:

ABSENT:

ABSTAINED:

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the City of Corona, California, this 7th day of December 2022.

City Clerk of the City of Corona, California

[SEAL]

ORDINANCE NO. 3357

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF CORONA AMENDING CHAPTERS 15.02, 15.04, 15.05, 15.07, 15.08, 15.09, 15.10, 15.11, 15.12, 15.20, 15.28, AND UPDATING CHAPTERS 15.52, 15.56, AND 15.60 OF TITLE 15 OF THE CORONA MUNICIPAL CODE, ADOPTING BY REFERENCE THE 2022 EDITION OF THE CALIFORNIA BUILDING STANDARDS CODE (CALIFORNIA CODE OF REGULATIONS, TITLE 24); INCLUDING THE 2022 CALIFORNIA BUILDING CODE; THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE; THE 2022 CALIFORNIA RESIDENTIAL CODE; THE 2022 CALIFORNIA ENERGY CODE; THE 2022 CALIFORNIA HISTORICAL BUILDING CODE; THE 2022 CALIFORNIA EXISTING BUILDING CODE; THE 2022 CALIFORNIA MECHANICAL CODE; THE 2022 CALIFORNIA FIRE CODE WITH ERRATA; THE 2022 CALIFORNIA PLUMBING CODE; AND THE 2022 CALIFORNIA ELECTRICAL CODE; TOGETHER WITH CERTAIN ADDITIONS, INSERTIONS, DELETIONS AND CHANGES THERETO.

WHEREAS, Government Code Section 50022, et seq. and California Health & Safety Code Section 17922 empower the City of Corona ("City") to adopt by reference the California Building Standards Code as provided in Title 24 of the California Code of Regulations; and

WHEREAS, in December of 2019 the City Council of the City of Corona adopted the 2019 California Building Standards Code with certain local amendments; and

WHEREAS, the California Building Standards Commission ("Commission") recently adopted new amendments to the California Building Standards Code; and

WHEREAS, California Health & Safety Code, Sections 17958.5 and 18941.5 authorize cities and counties to modify the California Building Standards Code by adopting more restrictive standards and modifications if such standards and modifications are accompanied by express findings that they are reasonably necessary because of local climatic, geological or topographical conditions; and

WHEREAS, the City Council of the City of Corona ("City Council") finds that these local climatic, geological or topographical conditions include, but are not limited to, the following:

1. The City is subject to relatively low amounts of precipitation, very low humidity levels and extremely high temperatures. These climatic conditions are conducive to the spread of drought conditions and fires. For example, during July, August and September, temperatures often exceed 100 degrees Fahrenheit. During the same months, humidity is usually less than 40% and measurements of less than 10% are not uncommon. These recordings have been documented by the Riverside County Flood Control District and the National Climatic Data Center.

2. The City is subject to extremely strong winds, commonly referred to as "Santa Ana Winds," which can reach speeds of up to 95 miles per hour. In addition, the convergence of the marine shore air flow and the desert air flow create steady winds on a daily basis. Finally, the City is bordered on the south by steep, rugged, brush-covered mountains and parts of the City contain hilly terrain and mounds, which either contribute to or create gusty wind conditions by causing a natural funneling effect and increasing wind speeds over the City.

3. The City is also subject to moderately strong shaking and surface ruptures from seismic activity in the area. The geologic and seismic setting of the City is dominated by the Chino and Elsinore earthquake faults along the southwest portion of the City and a diversity of bedrock and alluvial soils that may significantly affect the intensity of earthquake shaking. The Elsinore fault is located a short distance southwest of the City, while the Chino fault, which is subparallel to the Elsinore fault, is located just inside the City's southwestern boundary. Of the two faults, the Chino fault has the greater potential for surface rupture leading to structural damage of structures in the City. Moreover, the thin alluvial soils found in parts of the City contribute to a moderately high potential for liquefaction in certain areas.

WHEREAS, the aforementioned geologic and climatic conditions have also contributed to the loss or damage of thousands of homes and commercial properties in California over the last several decades. The top 20 fires in the State have consumed over 46,000 structures, and there have been hundreds more fires with thousands more structures destroyed. The 30,305-acre Freeway Complex Fire from November 2008 burned 318 structures, including several in Corona; the 2662-acre Canyon Fire from September 2017 threatened 2715 homes in Corona, before being contained; and the 23,136-acre Holy Fire from August 2018 nearly threatened 2638 homes in Corona; and

WHEREAS, these fires, as well as the Whittier Earthquake of 1987 and Northridge Earthquake of 1994, have resulted in the tragic loss of lives along with enormous property losses; and

WHEREAS, based upon the recommendations of the Building Official and Fire Chief, the City Council finds that the proposed amendments to the 2022 California Building Standards Code ("amendments") are more restrictive than the standards adopted by the Commission, would decrease the potential incidence of property damage, injury and death due to fires and earthquakes, and are reasonable and necessary to mitigate the aforementioned local climatic, geologic or topographical conditions; and

1. The amendments to section 101.4 of Chapter 1 Division II of the 2022 California Building Standards Code, as set forth in Section 2 of this ordinance, ensure that structures and related devices and equipment required by other referenced codes are maintained in a manner that would prevent danger to emergency responders or users thereof arising from conditions related to an emergency incident caused by high winds, fires, or seismic activity.

2. The amendments to Sections 105.1 of Chapter 1 Division II of the 2022 California Building Code, as set forth in Section 2 of this Ordinance, ensure that structures such as fences, retaining walls and signs, that may become potentially dangerous structures in an earthquake or high winds, are constructed in accordance with applicable codes, ordinances and standards; and

3. The amendment to Section 105.6 of Chapter 1 Division II of the 2022 California Building Code, as set forth in Section 2 of this Ordinance, preserves public health, safety and welfare by limiting construction noise and mitigating the effects of having portions of the City's residential areas constructed on hilly terrain. Many times it is not possible to construct noise barriers between noise sources and noise receptors in hilly areas. Under such circumstances, the "line of sight" between the noise source and the receiver cannot be adequately impeded by other structures such as fences and walls because such structures cannot be constructed on certain lots due to the grade differential between lots; and

4. The addition of Section 105.8 to Chapter 1 Division II of the 2022 California Building Code, as set forth in Section 2 of this Ordinance, is needed to assure that each permit is applicable to the location and conditions for which it was originally obtained; and

5. The amendments to Section 110.3.3.1 and 110.3.6.1 of the 2022 California Building Code, as set forth in Section 3 of this Ordinance, adding additional required inspections, including a sub-frame inspection, a roof sheathing and shear inspection and a plaster inspection assure that all construction and use of buildings conforms to the requirements of the California Building Standards Code in so that maximum protection from the wind, fire and earthquake conditions is provided; and

6. The addition of Section 3109.1.1 to the 2022 California Building Code, as set forth in Section 3 of this Ordinance, is required to ensure pool safety and decrease the likelihood of injuries and death due to unauthorized use of pools and the greater use of outdoor swimming pools due to climatic conditions; and

7. The addition of Section 1505.1.4 to the 2022 California Building Code as set forth in Section 3 of this Ordinance and the additions of section R902.1.4 to the 2022 Residential Code as set forth in Section 5 of this Ordinance requires Class "A" roofing which is effective against severe fire exposure, is not readily flammable, affords a fairly high degree of fire protection to roof decks, does not slip from position, and poses no flying-brand hazard, and is therefore more fire resistant than other classes of roofing not possessing these characteristics that are adopted for use by the Commission; and

8. The amendments to the 2022 California Fire Code, as set forth in Section 10 of this Ordinance, including the amendments adding definitions to Section 202; the amendment to Section 112.4.2 imposing additional costs against persons responsible for violations of the code; the amendments to Sections 304.1.2, 305.6, 307.6, 307.7, 308.1.6.3, 324, 325, 326, 327, 503.2.1, 503.2.4, 503.7, 505.1, 507.5.1, 507.5.5 507.5.7, 4907.3, 4911 imposing additional requirements for maintenance, clearance and management of vegetation and fuel modification areas, outdoor fires, premises identification, fire access roads, turning radii, clearance around hydrants and other fire apparatus; and amendments to the 2022 California Building Code, as set forth in Section 3 of this Ordinance, are needed to minimize the risk of fire which is increased by the climatic and geological conditions in the City of Corona, described above in this Ordinance, and to mitigate the spread of fire especially during high wind conditions described above in this Ordinance; and

9. The addition of Section 710 to the 2022 California Fire Code, requiring one-hour fire construction for all eaves, as set forth in Section 10 of this Ordinance, is reasonably necessary to mitigate the potential for the spread of fires from flying brands, ashes and sparks during high wind conditions and mitigate potential property damage, injury and death; and

10. The amendment to Section 314.3 of the 2022 California Plumbing Code, as set forth in Section 11 of this Ordinance, prohibiting unattended excavations without appropriate barricades is needed to assure that excavations for sewer or sewage disposal facilities do not create a hazard for persons, especially during periods of wind, rain or surface movements caused by earthquakes; and

WHEREAS, the Fire Marshal and Building Official have also recommended that changes and modifications be made to the California Building Standards Code, which are necessary for administrative clarification and to establish administrative standards for the effective enforcement of the building standards of the City of Corona, or are reasonably necessary to safeguard life and property within the City and do not modify a building standard pursuant to California Health & Safety Code Section 17958, 17958.7, and/or 18941.5, which amendments consist of:

1. Amendments to Chapter 1 Division II, Sections 501.2, 904.3.5, Chapter 35 and Appendix H of the 2022 California Building Code; and

2. Amendments to Sections 103.2, 104.2, 105.5, 112.4, 112.4.2, 202, 324, 507.5.1, 507.5.5, 510.1, 510.4.1.3, 903.3.5.3, 904.3.5, 1201.1.1, 4907.3, 5001.5.2, 5608.2, Chapter 80, and Appendix B and Appendix C of the 2022 California Fire Code; and

WHEREAS, the City Council finds that the local amendments to the 2022 California Building Standards Code, codified in Title 24 of the California Code of Regulations (“Code”) described herein are supported by the local climatic, geologic and/or topographic conditions described herein, and further finds that the remainder of the said changes and modifications are of an administrative or procedural nature, or concern themselves with subjects not covered by the Code, or are reasonably necessary to safeguard life and property within the City of Corona; and

WHEREAS, any and all other legal prerequisites relating to the adoption of this Ordinance have occurred.

NOW THEREFORE, THE CITY COUNCIL OF THE CITY OF CORONA, CALIFORNIA, DOES ORDAIN AS FOLLOWS:

SECTION 1. The City Council hereby adopts the recitals contained in this ordinance as findings to support the modifications to the 2022 California Building Standards Code made herein.

SECTION 2. Chapter 15.02 of the Corona Municipal Code is hereby amended to read as follows:

**"CHAPTER 15.02
ADMINISTRATIVE PROVISIONS FOR TITLE 15**

Sections:

- | | |
|-----------|--|
| 15.02.010 | Title. |
| 15.02.020 | Code adoption. |
| 15.02.030 | Amendments – Generally. |
| 15.02.040 | Reserved <u>Amendment – Section 101.1 – Title.</u> |
| 15.02.050 | Amendment – Section 101.4 – Referenced codes. |
| 15.02.060 | Addition – Section 104.11 – Alternative materials. |
| 15.02.070 | Addition – Section 105.1. – Permits required. |
| 15.02.080 | [Reserved] |
| 15.02.090 | Amendment – Section 105.2 – Exempt work. |
| 15.02.100 | Amendment – Section 105.3.2 – Plan check expiration, extension and renewal <u>Time limitation of application.</u> |
| 15.02.110 | Amendment – Section 105.5 – Permit expiration, extension and renewal <u>Expiration.</u> |
| 15.02.120 | Amendment – Section 105.6 – Suspension for Revocation. |
| 15.02.130 | Amendment – Section 105.7 – Placement of permit. |
| 15.02.140 | Addition – Section 105.8 – Transferability. |
| 15.02.150 | Amendment – Section 109.4 – Investigation fee <u>Work commencing before permit issuance.</u> |
| 15.02.160 | Amendment – Section 109.6 – Refunds. |
| 15.02.170 | Addition – Section 110.3.3.1 and 110.3.76.1 - Inspections. |
| 15.02.180 | Addition – Section 110.7 – Reinspection. |
| 15.02.190 | Amendment – Section 111.2 – Certificate of occupancy <u>issued.</u> |
| 15.02.195 | Amendment – Section 113 – Board of appeals. |
| 15.02.200 | Violation – Penalty. |

15.02.010 Title.

This chapter shall be cited as the Administrative Provisions to Title 15 of the Corona Municipal Code and shall apply to all of the referenced and adopted codes in Title 15, unless otherwise provided.

15.02.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as the 20192022 California Building Code, Chapter 1 Division II are hereby adopted.

(B) One certified copy of the 20192022 California Building Code Chapter 1 Division II shall be kept on file in the office of the Building Official, and any and all references thereto are adopted as the Administrative Provisions to the codes adopted in Title 15 of the Corona Municipal Code for the City of Corona, unless otherwise provided, and subject to the changes contained in this chapter.

(C) Each and all of the regulations, provisions, penalties, conditions, and terms thereof are referred to, adopted, and made a part of this chapter as though fully set forth at length.

15.02.030 Amendments – Generally.

Designated sections of the 20192022 California Building Code, Chapter 1 Division II are amended to read as set forth in Sections 15.02.040 through 15.02.200.

15.02.040 ~~Reserved~~ Amendment – Section 101.1 Title.

Section 101.1 is deleted in its entirety.

15.02.050 Amendment – Section 101.4 - Referenced codes.

The first paragraph of Section 101.4 is amended to read as follows:

“101.4 Referenced codes. The other codes listed in section 101.4.1 through 101.4.12 and referenced elsewhere in this code shall be considered part of the requirements of this code to the prescribed extent of each such reference as adopted and amended by Title 15 of the Corona Municipal Code. Structures, appurtenances, systems, devices, equipment, features, and facilities that are existing as of the date this section is adopted shall be maintained in accordance with the applicable codes and standards that were in effect at the time of permit application, or at the time of the initial construction, installation, or use if no permit was required. Alterations and repair work to structures, appurtenances, systems, devices, equipment, features, and facilities that are

existing as of the date this section is adopted shall comply with the applicable laws, codes, and standards in effect at the time of such alteration or repair.”

Section 101.4.3 is amended to read as follows:

“**101.4.3 Plumbing.** The provisions of the California Plumbing Code shall apply to the installation, alteration, repair and replacement of plumbing systems, including equipment, appliances, fixtures, fittings and appurtenances, and where connected to a water or sewage system and all aspects of a medical gas system. The provisions of the California Plumbing Code, Appendix H, shall apply to private sewage disposal systems.”

Section 101.4 is amended by adding subsections 101.4.8, 101.4.9, 101.4.10, 101.4.11, and 101.4.12 to read as follows:

“**101.4.8 Residential.** The provisions of the California Residential Code shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, removal, and demolition of detached one and two family dwellings and townhomes not more than three stories above grade plane in height with a separate means of egress and their accessory structures not more than three stories above grade plane in height.

Exceptions:

1. Live/work units located in townhouses and complying with the requirements of Section 419 of the California Building Code shall be permitted to be constructed in accordance with the California Residential Code. Fire Suppression required by Section 419.5 of the California Building Code where constructed under the California Residential Code shall conform to Section R313.
2. Owner-occupied lodging houses with five or fewer guestrooms shall be permitted to be constructed in accordance with the California Residential Code where equipped with a fire sprinkler system in accordance with Section R313.

101.4.9 Historical. The provisions of the California Historical Building Code shall apply to the preservation, restoration, rehabilitation, relocation or reconstruction of buildings or properties designated as qualified historical buildings or properties.

101.4.10 Green Building. The provisions of the California Green Building Standards Code shall apply to the planning, design, operation, construction, use and occupancy of every newly constructed building.

101.4.11 Housing. The provisions of the California Housing Code shall apply to the use, occupancy, and maintenance of all buildings or portions thereof used, or designated or intended to be used, for human habitation.

101.4.12 Electrical. The provisions of the California Electrical Code shall apply to the installation, alteration, maintenance, and repair of electrical conductors, equipment, and raceways;

signaling and communications conductors, equipment, and raceways; and optical fiber cables and raceways for those structures, premises, equipment, and installations as designated in that code.”

15.02.060 Addition – Section 104.11 - Alternative materials.

Section 104.11 is amended by adding the following subsection 104.11.5 thereto to read as follows:

“104.11.5 Application for request to use alternative materials, design or methods of construction and equipment. Requests for the use of alternative materials, design or methods of construction or equipment must be made on the City of Corona application form and an application fee must be paid at the time of request submittal. Applications shall be specific to a project address and approval for a specific project shall not constitute approval for use at any other locations.”

15.02.070 Addition – Section 105.1 – Permits required.

Section 105.1 is amended by adding the following subsection 105.1.3 thereto to read as follows:

“105.1.3 Permits Required. No person, firm or corporation shall erect, re-erect, construct, enlarge, alter, repair, move, improve, remove, convert or demolish any building or other structure in the city, without obtaining a valid building permit prior to commencement of any work. A Building permit is also required for the following specified items:

1. Retaining walls over two feet in height (measured from the top of the footing) and walls of any height if supporting a surcharge or any superimposed load other than the natural fill of level earth. Retaining walls are required for any unsupported excavation with vertical banks more than two feet high or unsupported excavations of any height if supporting a surcharge or any superimposed load other than the natural fill of level earth.
2. Fence or fences over three feet in height constructed or made of any material including, but not limited to, wood, plastic, metal, chain link, wrought iron, masonry, block, brick or stone)
3. A Building permit is also required for any sign which requires a Planning Division sign permit as specified in Chapter 17.74 of this code, except signs painted directly onto an existing building, or sign structure or sign board or the refacing of a previously approved sign canister with Plexiglas, flexible sign face or similar material provided no structural changes are made to the sign structure or canister.
4. Grading requirements and permits shall be as required by Chapter 15.36 of the Corona Municipal Code.”

15.02.080 [Reserved].

15.02.090 Amendment – Section 105.2 – Exempt work.

Section 105.2 is amended in its entirety to read as follows:

“Work Exempt from Permit. Exemptions from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in any manner in violation of this code or any other laws or ordinances of this jurisdiction. A building permit shall not be required for the following:

Building:

1. One-story detached accessory structures used as tool and storage sheds, playhouses and similar uses, provided the floor area does not exceed 120 square feet.
2. Fences not over three (3) feet high.
3. Oil derricks.
4. Retaining walls that are not over two (2) feet in height measured from the top of the footing to the top of the wall, unless supporting a surcharge or any superimposed load other than the natural fill of level earth or impounding Class I, II, or IIIA liquids.
5. Water tanks supported directly upon grade if the capacity does not exceed 5,000 gallons and the ratio of height to diameter or width does not exceed 2 to 1.
6. Platforms, walks and driveways not more than 30 inches above adjacent grade, and not over any basement or story below and are not part of an accessible route.
7. Painting, papering, tiling, carpeting, cabinets, countertops and similar finish work.
8. Temporary motion picture, television and theater stage sets and scenery.
9. Prefabricated swimming pool accessory to a Group R-3 Occupancy that are less than 24 inches deep, do not exceed 5,000 gallons and are installed entirely above ground.
10. Shade cloth structures constructed for nursery or agricultural purposes, not including service systems.
11. Swings and other playground equipment accessory to detached one- and two-family dwellings.
12. In Group R-3 and U occupancies, window awnings that do not project more than 54 inches from the exterior wall, when supported by an exterior wall and do not require additional support.

13. Nonfixed and movable fixtures, cases, racks, counters and partitions not over 5 feet 9 inches in height.

14. Wood-framed decks accessory to single family dwellings where the deck is no greater than 200 square feet in area, with a walking surface that is not more than 30 inches above grade at any point, is not attached to a dwelling and does not serve as a required path of egress or accessible path of travel. Decks located in a front yard setback shall comply with the requirements in Corona Municipal Code Chapter 17.64.

15. Historic markers no greater than 4 feet in height measured from the adjacent finish grade to the top of the structure placed pursuant to Chapter 17.63 of the Corona Municipal Code

Electrical:

1. Repairs and maintenance: Minor repair work, including the replacement of lamps or the connection of approved portable electrical equipment to approved permanently installed receptacles.

2. Radio and television transmitting stations: The provisions of this code shall not apply to electrical equipment used for radio and television transmissions, but do apply to equipment and wiring for a power supply and the installations of towers and antennas.

3. Temporary testing systems: A permit shall not be required for the installation of any temporary system required for the testing or servicing of electrical equipment or apparatus.

Gas:

1. Portable heating appliances

2. Replacement of any minor part that does not alter approval of equipment or make such equipment unsafe.

Mechanical:

1. Portable heating appliance.

2. Portable ventilation equipment.

3. Portable cooling unit.

4. Steam, hot or chilled water piping within any heating or cooling equipment regulated by this code.

5. Replacement of any part that does not alter its approval or make it unsafe.

6. Portable evaporative cooler.

7. Self-contained refrigeration system containing 10 pounds or less of refrigerant and actuated by motors of 1 horsepower or less.

Plumbing:

1. The stopping of leaks in drains, water, soil, waste or vent pipe, provided, however, that if any concealed trap, drain pipe, water, soil, waste or vent pipe becomes defective and it becomes necessary to remove and replace the same with new material, such work shall be considered new work and a permit shall be obtained and inspection made as provided in this code.

2. The clearing of stoppages or the repairing of leaks in pipes, valves or fixtures and the removal and reinstallation of water closets, provided such repairs do not involve or require the replacement or rearrangement of valves, pipes or fixtures.

3. The installation of water-conserving plumbing fixtures as replacements for existing plumbing fixtures shall not, alone, require a permit or inspection from the Building Division. The replacement plumbing fixtures shall comply with Chapters 15.05 and 15.20 of this code.

Grading:

1. Grading requirements and permits shall be as required by Chapter 15.36 of the Corona Municipal Code.”

15.02.100 Amendment – Section 105.3.2 – ~~Plan check expiration, extension and renewal~~Time limitation of application.

Section 105.3.2 is amended in its entirety to read as follows:

“105.3.2 Plan Check Expiration, Extension and Renewal. An application for a plan check submitted for any proposed work shall be deemed to have been abandoned and the plan check application shall expire 180 days after the date of filing, unless such application has been pursued in good faith or a permit for such work has been issued; except that the building official is authorized to grant one or more extensions of time, for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated. Extensions will only be granted prior to the expiration of the plan check application. Extensions will not be approved until all applicable fees have been paid to the City.

Renewal: When a plan check application has expired, plans cannot be resubmitted prior to submitting a new application or renewing the plan check application. Requests to renew an expired plan check application shall be submitted to the Building Official, in writing, shall demonstrate justifiable cause and shall be subject to the approval of the Building Official. If approved by the Building Official the fee for the renewed plan check application shall be one half the amount required for a new plan check for such work, provided no major changes have been made in the original plans and specifications for such work that might constitute a new plan check and provided further that the plan check renewal application is submitted within one year of the date the plan check application, or extended plan check application, as applicable, expired. To renew a plan

check application more than one year after the date the plan check application, or extended plan check application, as applicable, has expired, the applicant shall be required to pay a new full plan check fee.”

15.02.110 Amendment – Section 105.5 – ~~Permit Expiration~~ ~~/Renewal~~.

Section 105.5 is amended in its entirety to read as follows:

“**Section 105.5 – Permit Expiration, Extension and Renewal.** Every permit issued shall become invalid and expire if the work on the site authorized by such permit is not commenced within 12 months after issuance of the permit, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and shall demonstrate justifiable cause for the requested extension. Extensions will only be granted prior to the expiration of the permit. Extensions will not be approved until all applicable fees have been paid to the City of Corona.

Renewal: When a permit has expired, work cannot be recommenced prior to renewing the permit or obtaining a new permit. Requests to renew an expired permit shall be submitted to the Building Official, in writing, shall demonstrate justifiable cause and shall be subject to the approval of the Building Official. If approved by the Building Official the fee for the renewed permit shall be one half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work and provided further that the request to renew the expired permit is submitted within one year of the date the permit, or extended permit, as applicable, has expired. To renew a permit more than one year after the permit has expired, the applicant shall be required to pay a new full permit fee.”

15.02.120 Amendment – Section 105.6 – Suspension ~~/or~~ Revocation.

Section 105.6 is amended by adding the following paragraphs to the end of the section to read as follows:

“The Building Official may, in writing, suspend or revoke a permit issued under the provisions of this code if construction noise is generated between the hours of 8:00 p.m. and 7:00 a.m., Monday through Saturday and 6:00 p.m. to 10:00 a.m. on Sundays and Federal Holidays. Construction noise is defined as noise which is disturbing, excessive, or offensive and constitutes a nuisance involving discomfort or annoyance to persons of normal sensitivity residing in the area, which is generated by the use of any tools, machinery or equipment used in connection with construction operations.

The Building Official may, in writing, suspend or revoke a permit issued under the provisions of this code if dust is generated in excess of local, state or federal standards or conditions of project approval.”

15.02.130 Amendment – Section 105.7 – Placement of permit.

Section 105.7 is amended by adding the following to the end of the section to read as follows:

“The required permits and approved plans shall be maintained in good condition and be posted or otherwise made available such as to allow the building official to conveniently make the required entries regarding the inspection of work.”

15.02.140 Addition – Section 105.8 - Transferability.

Section 105 is amended by adding the following ~~new~~-subsection 105.8 thereto to read as follows:

“**105.8 Transferability.** No permit issued pursuant to Title 15 of the Corona Municipal Code shall be transferable to any other person or apply to any location other than that stated in the permit.”

15.02.150 Amendment – Section 109.4 – ~~Investigation fee~~Work commencing before permit issuance.

Section 109.4 is amended by adding the following paragraphs to the end of the section to read as follows:

“Whenever any work for which a permit is required by this code has been commenced without first obtaining said permit, a special investigation shall be made before a permit may be issued for such work.

An investigation fee, in addition to the permit fee, shall be collected whether or not a permit is then or subsequently issued. The investigation fee shall be determined by the currently adopted fee schedule and shall not be less than the actual costs as determined by the Building Official.”

15.02.160 Amendment – Section 109.6 - Refunds.

Section 109.6 is amended in its entirety to read as follows:

“**109.6 Refunds.** The Building Official may authorize refunding of any fee paid hereunder which was erroneously paid or collected.

The Building Official may authorize refunding of not more than 80 percent of the permit inspection fee paid when no work has been started under a permit issued in accordance with this code.

The Building Official may authorize refunding of not more than 80 percent of the plan review fee paid when an application for a permit for which a plan review fee is paid is withdrawn or canceled before any plan reviewing is started.

The Building Official shall not authorize refunding of any fee paid except on a written request for refund submitted by the original applicant or original permittee not later than 180 days after the date of the fee payment.”

15.02.170 Addition – Sections 110.3.3.1 and 110.3.56.1 - Inspections.

Section 110.3 is amended by adding the following ~~new~~ subsections 110.3.3.1 and 110.3.6.1 thereto to read as follows:

“**110.3.3.1. Roof Sheathing and Shear Inspection.** Roof sheathing and shear inspections shall be performed after roof sheathing and all structural shear panels or walls are in place and secured by nailing or other approved methods.

110.3.56.1. Plaster Inspection. Plaster inspections shall be performed after the application of the scratch coat.”

15.02.180 Addition – Section 110.7 - Reinspection.

Section 110 is amended by adding ~~new~~ subsection 110.7 thereto to read as follows:

“**110.7 Reinspections.** A reinspection fee may be assessed for each inspection or reinspection when such portion of work for which inspection is called is not complete or when corrections previously called for are not made. The amount of the fee shall be the minimum building inspection fee as set forth in the fee schedule adopted by the City Council.

This section is not to be interpreted as requiring reinspection fees the first time a job is rejected for failure to comply with the requirements of this code, but as controlling the practice of calling for inspections before the job is ready for such inspection or reinspection.

Reinspection fees may be assessed when the inspection record permit card is not posted or otherwise available on the work site, the approved plans are not readily available the inspector, for failure to provide access on the date for which the inspection is requested, or for deviating from the plans requiring the approval of the building official.

To obtain a reinspection, the applicant shall pay the reinspection fee as set forth in the fee schedule adopted by the City Council.

In instances where reinspection fees have been assessed, no additional inspection of the work will be performed until the required fees have been paid.

Chapter 1.14 of the Corona Municipal Code shall also apply to Title 15.”

15.02.190 Amendment – Section 111.2 – Certificate ~~of occupancy~~issued.

Section 111.2 is amended by adding the following sentence at the beginning of the section to read as follows:

“111.2 Certificate issued. A Certificate of Occupancy shall not be issued until all applicable fees have been paid to the City of Corona.”

15.02.192 Amendment - Section 112.3 - Authority to disconnect service utilities.

Section 112.3 is amended in its entirety to read as follows:

“112.3 Authority to disconnect service utilities. The building official shall have the authority to authorize disconnection of utility service to the building, structure or system regulated by this code and the referenced codes and standards set forth in Section 101.4 as follows:

1. In case of emergency where necessary to eliminate an immediate hazard to life or property;
or
2. Where such utility connection has been made without the approval required by Section 112.1 or 112.2; or
3. When a structure, building or property is in violation of Section 111; or
4. When the continued use of utilities creates or contributes to the existence of a public nuisance as defined in Corona Municipal Code Chapter 15.56; or
5. When the disconnection of utility service is required by a court ordered action to abate a public nuisance; or
6. When the approved duration for the temporary connection to utilities or temporary occupancy per sections 108, 111 or 112 has expired or been terminated, or the conditions of approval imposed in connection with the approval of such temporary connection or temporary occupancy have been violated.

The building official shall notify the serving utility, and wherever possible the owner and occupant of the building, structure or service system of the decision to disconnect prior to taking such action. IF not notified prior to disconnecting, the owner or occupant of the building, structure or service system shall be notified in writing, as soon as practical thereafter.”

15.02.195 Amendment – Section 113 – Board of appeals.

Section 113 is amended in its entirety to read as follows:

**“SECTION 113
APPEALS PROCESS**

113.1 General. Orders, decisions or determinations made by the building official relative to the application and interpretation of this code may be appealed pursuant to the procedures set forth in Chapter 1.09 of this code.

113.2 Limitations on authority. An application for appeal shall be based on a claim that the true intent of this code or the rules legally adopted thereunder have been incorrectly interpreted, the provisions of this code do not fully apply or an equally good or better form of construction is proposed. The hearing officer shall have no authority to waive requirements of this code.”

15.02.200 Violation – Penalty.

(A) No person, firm, partnership, association or corporation shall violate any provisions of this chapter and any provisions of the codes, rules or regulations adopted in this Title 15 of the Corona Municipal Code.

(B) Any person, firm, partnership, association or corporation violating any of the provisions adopted in this title by reference, shall be guilty of an infraction, except where otherwise provided in this Title 15. Any person violating a stop work order issued pursuant to the ~~2019~~2022 California Building Code, Chapter 1 Division II Section 115.3, shall be guilty of a misdemeanor. Any person who continues to occupy or any person who enters a structure which has been posted “unsafe” by the Building Official pursuant to the ~~2019~~2022 California Building Code Section 116 or Corona Municipal Code Chapter 15.56, or any person who enters or occupies a structure which has been posted “Unsafe” or “Restricted Use” pursuant to Corona Municipal Code Chapter 15.54, shall be guilty of a misdemeanor.

(C) Every person, firm, association or corporation violating any of the provisions of this chapter or provisions of the codes, rules or regulations adopted in this chapter by reference is guilty of a separate offense for each day or portion thereof during which the violation continues and shall be punishable thereof as provided in Chapter 15.70 of this code.

(D) It is unlawful for any person, firm, partnership, corporation, association or joint venture, either as owner, architect, contractor, artisan or otherwise, to do or to cause or permit to be done any work, as described in the California Building Standards Code as adopted by reference in this Title 15 in such a manner that such work does not conform to all the provisions of this Title 15 and the provisions of said California Building Standards Code, as so adopted by reference.”

SECTION 3. Chapter 15.04 of the Corona Municipal Code is hereby amended in its entirety to read as follows:

**"CHAPTER 15.04
BUILDING CODE**

Sections:

- 15.04.010 Title.
- 15.04.020 Code adoption.
- 15.04.030 Administration – Generally.
- 15.04.040 Amendments – Generally.
- 15.04.050 Amendment – Chapter I Division II.
- 15.04.060 Amendment – Section ~~501.2~~502.1 – Address identification.
- 15.04.070 [Reserved]

15.04.080	[Reserved]
15.04.090	[Reserved]
15.04.100	Amendment-Section 904.3.5- Monitoring.
15.04.110	[Reserved]
15.04.120	Addition – Section 1505- Roof coverings.
15.04.130	Amendment—Section 3109.2—Definitions Reserved.
15.04.140	Amendment—Section 3109.4.1.8—Dwelling wall as barrier Reserved.
15.04.150	Addition – Section 3109.41.1 - Residential swimming pools.
15.04.155	Amendment- Chapter 35 Referenced Standards-NFPA.
15.04.157	Amendment – Appendix H - Signs
15.04.160	Violation – Penalty.

15.04.010 Title.

This chapter shall be cited as the Building Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Building Code, or other building code, refers and applies to this chapter.

15.04.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as ~~2019~~2022 California Building Code, Volumes 1 and 2, California Code of Regulations Title 24, ~~Part 2~~Part 2, including Appendices H and I, and including any supplements, errata, and revisions made thereto, are hereby adopted as the Building Code of the City of Corona.

(1) Chapter 1 Division II as adopted and amended in Chapter 15.02 of the Corona Municipal Code.

(2) Appendices A, B, C, D, E, F, G, J, K, L, M, ~~N~~, ~~O~~, and ~~OP~~ are not adopted.

(B) Grading requirements and permits shall be as required by Chapter 15.36 of the Corona Municipal Code.

(C) One certified copy of the ~~2019~~2022 California Building Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Building Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.04.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.04.040 Amendments – Generally.

Designated sections of the 2019 California Building Code are amended to read as set forth in Sections 15.04.050 through 15.04.157.

15.04.050 Amendment – Chapter I Division II.

Chapter I Division II of the ~~2019~~2022 California Building Code is adopted as amended in Corona Municipal Code Chapter 15.02.

15.04.060 Amendment – Section ~~501.2502.1~~ – Address identification.

Section ~~501.2502.1~~ is amended by adding the following to the end of the section:

“Address numbers shall be illuminated during all hours of darkness. Number, size, location and means of illumination shall comply with the Corona Fire Prevention Standard for premises identification unless an alternative means or method is approved by the fire code official. Address numbers shall be continuously maintained to comply with this section.”

15.04.070 [Reserved].

15.04.080 [Reserved].

15.04.090 [Reserved].

15.04.100 Amendment – Section - 904.3.5 Monitoring.

Section 904.3.5 is amended in its entirety to read as follows:

“**904.3.5 Monitoring.** Where a building fire alarm or monitoring system is installed, automatic fire-extinguishing systems shall be monitored by the building fire alarm or monitoring system in accordance with NFPA 72.”

15.04.110 [Reserved].

15.04.120 Addition – Section 1505 – Roof coverings.

Section 1505 is amended by adding ~~new~~the following subsection 1505.1.~~54~~ thereto as follows:

“**1505.1.~~54~~ Class A roof covering requirement.** Notwithstanding any other provision of this Building Code and Appendices to the contrary, Class A roof covering, as defined in Chapter 15 of the 2019 California Building Code, shall be applied:

1. To any building hereinafter constructed.

2. To any re-roofing of existing buildings, when fifty percent (50%) or more of the existing roof is replaced or overlaid within a 1 year period.

3. To any room additions where the aggregate area of the new roof exceeds fifty percent (50%) of the aggregate area of the existing roof.”

15.04.130 ~~Amendment—Section 3109.2—Definitions.~~[Reserved.]

~~Section 3109.2 is amended by adding the following definition:~~

~~“LAKE. A body of water, including but not limited to a pond that is natural or manmade, which has a sloping grade below the surface of the water originating at the shore line, not exceeding a grade of one vertical to four horizontal.”~~

15.04.140 ~~Amendment—~~[Reserved.]

15.04.150 Addition – Section 3109.1.1 - Residential swimming pools.

~~Section 3109.4.1.8—Dwelling wall as barrier.~~

~~Section 3109.4.1.81~~ is amended by adding the following subsection 43109.1.1 to read as follows:

~~“4. Where a wall of an attached or detached garage, as an accessory use to a residential occupancy, in a Group U occupancy serves as part of the barrier and contains man-door openings between the garage and the outdoor swimming pool that provide direct access to the pool, such door openings shall be self-closing and self-latching.”~~

~~15.04.150—Addition—Section 3109.4—Residential swimming pools.~~

~~Section 3109.4 is amended by adding the new subsection 3109.4.1.10 to read as follows:~~

~~“3109.4.1.10“3109.1.1 Existing pools. The legal use of a swimming pool existing before the effective date of this chapter may continue, provided that the swimming pool is provided with an adequate barrier, as reasonably determined by the Building Official consistent with this chapter, and provided that the swimming pool, and/or the use thereof, does not create a safety hazard.”~~

15.04.155 Amendment- Chapter 35 Referenced Standards.

“Chapter 35 – Referenced Standards is adopted in its entirety with the following amendments:

NFPA 13, ~~2016~~2022 Edition, Installation of Sprinkler Systems is hereby amended as follows:

Section 6.~~712.3.3~~ is hereby amended to read as follows:

6.716.12.3.3 Fire Department connections (FDC) shall be of an approved type. The FDC shall contain a minimum of two 2 ½” inlets. The location shall be approved and be no more than 150 feet from a public hydrant. The FDC may be located within 150 feet of a private fire hydrant when approved by the fire code official. The size of piping and the number of inlets shall be approved by the fire code official. Fire department inlet connections shall be painted OSHA safety red. When the fire sprinkler design density requires 500 gpm (including hose stream demand) or greater, or a standpipe system is included, two 2 ½” inlets and one 4” swivel female NST inlet shall be provided. FDC inlets shall be equipped with check valves.

Section ~~89.4.3.3.1~~ is hereby amended to read as follows:

~~89.4.3.3.1~~ When fire sprinkler systems are installed in shell buildings of undetermined use (Spec Buildings) other than warehouses (S occupancies), fire sprinklers of the quick-response type shall be used. Use is considered undetermined if a specific tenant/occupant is not identified at the time the fire sprinkler plan is submitted.

Sprinklers in light hazard occupancies shall be one of the following:

- (1) Quick-response type as defined in Section 3.6.4.8
- (2) Residential sprinklers in accordance with the requirements of Section 8.4.5
- (3) Standard spray sprinklers used for modifications or additions to existing light hazard systems equipped with standard spray sprinklers
- (4) Standard spray sprinklers used where individual standard spray sprinklers are replaced in existing light hazard systems

Section ~~8.17.2.4.6~~16.12.5.7 is hereby amended to read as follows:

~~8.17.2.4.6~~ 16.12.5.7 Fire department connections shall be on the street side of buildings and shall be located and arranged so that they are immediately adjacent to the approved fire department access road. Fire department connections shall be located such that hose lines can be readily and conveniently attached to the inlets without interference from nearby objects, including but not limited to, buildings, fences, posts, vegetation or other fire department connections.

Section ~~119.1.1.2~~ is hereby added to read as follows:

119.1.1.2 Undetermined Use Design Requirements. When fire sprinkler systems are required in buildings of undetermined use other than warehouses, they shall be designed and installed to have a fire sprinkler density of not less than that required for an Ordinary Hazard Group 2 use, with no reduction(s) in density or design area. Warehouse fire sprinkler systems shall be designed to Figure 16.2.1.3.2(a) curve “G”. Use is considered undetermined if a specific tenant/occupant is not identified at the time the sprinkler plan is submitted. Where a subsequent occupancy requires a system with greater capability, it shall be the responsibility of the occupant to upgrade the system to the required density for the new occupancy.

NFPA 13D ~~2016~~2022 Edition Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes is hereby amended as follows:

Section 4.1.~~34~~ is hereby added to read as follows:

4.1.~~34~~ Stock of Spare Sprinklers

4.1.~~34~~.1 A supply of at least two sprinklers of each type shall be maintained on the premises so that any sprinklers that are not functioning or have been damaged in any way can be promptly replaced.

4.1.~~34~~.2 The spare sprinklers shall be the same types and temperature ratings as installed in the dwelling.

4.1.~~34~~.3 The sprinklers shall be kept in a cabinet located where the temperature to which they are subjected will at no time exceed 100°F.

4.1.~~34~~.4 A special sprinkler wrench shall be provided and kept in the spare head cabinet to be used in the removal and installation of sprinklers. One sprinkler wrench shall be provided for each type of sprinkler installed.

Section 7.3 Pressure Gauges is amended to add the following Subsection 7.3.~~34~~ to read as follows:

7.3.~~34~~ Pressure Gauges. At least one water pressure gauge shall be installed on the riser assembly.

Section 7.6 Alarms is hereby amended in its entirety to read as follows:

7.6 Alarms. Exterior alarm indicating device shall be listed for outside service and audible from the street from which the house is addressed. Exterior audible devices shall be placed on the front or side of the structure and the location subject to approval by the fire code official. Additional interior alarm devices shall be required to provide audibility throughout the structure and shall be powered from an uninterruptible circuit service normally servicing other appliances in the residence.

Exceptions:

1. When an approved water flow monitoring system is installed, interior audible devices may be powered through the fire alarm control panel.
2. When single- or multiple-station smoke alarms specified in CBC 907.2.11 are used to sound an alarm upon waterflow switch activation.”

15.04.157 Amendment - Appendix H - Signs

Section H101.2 of Appendix H is amended in its entirety to read as follows:

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“H101.2 Permits required. A building permit is required for any sign which requires a sign permit as specified in Chapter 17.74 of the Corona Municipal Code, except signs painted directly onto an existing building, sign structure, or sign board; or the refacing of a previously approved sign canister with Plexiglas, flexible sign face or similar material provided no structural changes are made to the sign structure or canister.”

15.04.160 Violation- Penalty.

The violation and penalties for Chapter 15.04 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 4. Chapter 15.05 of Title 15 of the Corona Municipal Code is hereby amended in its entirety to read as follows:

**"Chapter 15.05
GREEN BUILDING CODE**

Sections:

- 15.05.010 Title.
- 15.05.020 Code adoption.
- 15.05.030 Administration-Generally.
- 15.05.040 Violation – Penalty.

15.05.010 Title.

This chapter shall be cited as the Green Building Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Green Building Standards Code, Cal Green, or other green building code, refers and applies to this chapter.

15.05.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as ~~2019~~2022 California Green Building Standards Code, California Code of Regulations Title 24, Part 11, Chapters 1 through 8, not including the appendices, and including any supplements, errata, and revisions made thereto, are hereby adopted as the Green Building Code of the City of Corona. (1) Appendices A4, A5, and A6.1 are not adopted as part of this code.

(B) One certified copy of the ~~2019~~2022 California Green Building Standards Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Green Building Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.05.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.05.040 Violation- Penalty.

The violation and penalties for Chapter 15.05 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 5. Chapter 15.07 of the Corona Municipal Code is hereby amended in its entirety to read as follows:

**"Chapter 15.07
RESIDENTIAL CODE**

Sections:

- 15.07.010 Title.
- 15.07.020 Code adoption.
- 15.07.030 Administration.
- 15.07.040 Amendments – Generally.
- 15.07.050 [Reserved]
- 15.07.060 Amendment - Section R319.1- Address identification.
- 15.07.070 Addition - Section R902.1.~~54~~ - Roof covering materials.
- 15.07.080 [Reserved]
- 15.07.090 Amendment-Chapter 44 Referenced Standards.
- 15.07.100 Violation – Penalty.

15.07.010 Title.

This chapter shall be cited as the Residential Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Residential Code, or other residential code, refers and applies to this chapter.

15.07.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as ~~2019~~2022 California Residential Code, California Code of Regulations Title 24, Part 2.5, including Appendix ~~HAH~~, and including any supplements, errata, and revisions made thereto, is hereby adopted as the Residential Code of the City of Corona.

(1) Chapter 1 Division II is not adopted.

- (2) Appendices ~~A, B, C, D, E, F, G, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, WAA, AB, AC, AD, AE, AF, AG, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, and XAZ~~ are not adopted as part of this code.

(B) One certified copy of the ~~2019~~2022 California Residential Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Residential Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.07.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.07.040 Amendments – Generally.

Designated sections of the ~~2019~~2022 California Residential Code are amended to read as set forth in Sections 15.07.050 through 15.04.090.

15.07.050 [Reserved].

15.07.060 Amendment - Section R319.1 Address identification.

Section R319.1 is amended by adding the following to the end of the section:

“Address numbers shall be illuminated during all hours of darkness. Number, size, location and means of illumination shall comply with the Corona Fire Prevention Standard for premises identification unless an alternative means or method is approved by the fire code official. Address numbers shall be continuously maintained to comply with this section.”

15.07.070 Addition – Section R902.1.54 – Roof covering materials.

Section R902.1 is amended by adding ~~new~~the following subsection R902.1.54 to read as follows:

“**R902.1.54 Class A roof covering requirement.** Notwithstanding any other provision of this Building Code and Appendices to the contrary, Class A roof covering, as defined in Chapter 15 of the 2019 California Building Code, shall be applied:

1. To any building hereinafter constructed.
2. To any re-roofing of existing buildings, when fifty percent (50%) or more of the existing roof is replaced or overlaid within a 1 year period.

3. To any room additions where the aggregate area of the new roof exceeds fifty percent (50%) of the aggregate area of the existing roof.”

15.07.080 [Reserved].

15.07.090 Amendment- Chapter 44 Referenced Standards.

“Chapter 44 – Referenced Standards is adopted in its entirety with the following amendments:

NFPA 13, ~~2016~~2022 Edition, Installation of Sprinkler Systems is hereby amended to read as follows:

Section ~~6.8~~6.12.3.3 is hereby amended to read as follows:

~~6.8~~6.12.3.3 Fire Department connections (*FDC*) shall be of an approved type. The FDC shall contain a minimum of two 2 ½” inlets. The location shall be approved by the fire code official and be no more than 150 feet from a public hydrant. The FDC may be located within 150 feet of a private fire hydrant when approved by the fire code official. The size of piping and the number of inlets shall be approved by the fire code official. Fire department inlet connections shall be painted OSHA safety red. When the fire sprinkler design density requires 500 gpm (including hose stream demand) or greater, or a standpipe system is included, two 2 ½” inlets and one 4” swivel female NST inlet shall be provided. FDC inlets must be equipped with check valves.

Section ~~89.4.3.3.1~~ is hereby amended to read as follows:

~~89.4.3.3.1~~. When fire sprinkler systems are installed in shell buildings of undetermined use (Spec Buildings) other than warehouses (S occupancies), fire sprinklers of the quick-response type shall be used. Use is considered undetermined if a specific tenant/occupant is not identified at the time the fire sprinkler plan is submitted.

Sprinklers in light hazard occupancies shall be one of the following:

- (1) Quick-response type as defined in Section 3.6.4.8
- (2) Residential sprinklers in accordance with the requirements of Section 8.4.5
- (3) Standard spray sprinklers used for modifications or additions to existing light hazard systems equipped with standard spray sprinklers
- (4) Standard spray sprinklers used where individual standard spray sprinklers are replaced in existing light hazard systems

Section ~~8.17.2.4.6~~16.12.5.7 is hereby amended to read as follows:

~~8.17.2.4.6~~16.12.5.7 Fire department connections shall be on the street side of buildings and shall be located and arranged so that they are immediately adjacent to the approved fire department access road. Fire department connections shall be located such that hose lines can be readily and conveniently attached to the inlets without interference from nearby objects, including but not limited to, buildings, fences, posts, vegetation or other fire department connections.

Section ~~4.1.1.2~~ 1.1.2 is hereby added to read as follows:

1.1.2 Undetermined Use Design Requirements. When fire sprinkler systems are required in buildings of undetermined use other than warehouses, they shall be designed and installed to have a fire sprinkler density of not less than that required for an Ordinary Hazard Group 2 use, with no reduction(s) in density or design area. Warehouse fire sprinkler systems shall be designed to Figure 16.2.1.3.2(a) curve “G”. Use is considered undetermined if a specific tenant/occupant is not identified at the time the sprinkler plan is submitted. Where a subsequent occupancy requires a system with greater capability, it shall be the responsibility of the occupant to upgrade the system to the required density for the new occupancy.

NFPA 13D ~~2016-2022~~ Edition- **Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes** is hereby amended as follows:

Section ~~4.1.34~~ 4.1.34 is hereby added to read as follows:

4.1.34 Stock of Spare Sprinklers

4.1.34.1 A supply of at least two sprinklers of each type shall be maintained on the premises so that any sprinklers that have operated or been damaged in any way can be promptly replaced.

4.1.34.2 The spare sprinklers shall be the same types and temperature ratings as installed in the dwelling.

4.1.34.3 The sprinklers shall be kept in a cabinet located where the temperature to which they are subjected will at no time exceed 100°F.

4.1.34.4 A special sprinkler wrench shall be provided and kept in the spare head cabinet to be used in the removal and installation of sprinklers. One sprinkler wrench shall be provided for each type of sprinkler installed.

Section ~~7.3.3~~ 7.3.3 Pressure Gauges is ~~amended~~ **amended to add the following Subsection 7.3.4** to read as follows:

7.3.34 Pressure Gauges At least one water pressure gauge shall be installed on the riser assembly.

Section 7.6 Alarms is hereby amended its entirety to read as follows:

7.6 Alarms. Exterior alarm indicating device shall be listed for outside service and audible from the street from which the house is addressed. Exterior audible devices shall be placed on the front or side of the structure and the location subject to approval by the fire code official. Additional interior alarm devices shall be required to provide audibility throughout the structure and shall be powered from an uninterruptible circuit serving normally operated appliances in the residence.

Exception:

1. When an approved water flow monitoring system is installed, interior audible devices may be powered through the fire alarm control panel.
2. When single or multiple station smoke alarms specified in CBC 907.2.11 are used to sound an alarm upon water flow switch activation~~-.~~”

15.07.100 Violation- Penalty.

The violation and penalties for Chapter 15.07 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 6. Chapter 15.08 of Title 15 of the Corona Municipal Code is hereby amended in its entirety to read as follows:

**"Chapter 15.08
MECHANICAL CODE**

Sections:

- | | |
|-----------|----------------------|
| 15.08.010 | Title. |
| 15.08.020 | Code adoption. |
| 15.08.030 | Administration. |
| 15.08.040 | [Reserved] |
| 15.08.050 | Violation – Penalty. |

15.08.010 Title.

This chapter shall be cited as the Mechanical Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Mechanical Code, or other mechanical code, refers and applies to this chapter.

15.08.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as the ~~2019~~2022 California Mechanical Code, California Code of Regulations Title 24, Part 4, including any supplements, errata, and revisions made thereto, are hereby adopted as the Mechanical Code of the City of Corona.

- (1) Chapter 1 Division II is not adopted as part of this code.
- (2) Appendices A, B, C, D, E, F, G, and ~~GH~~ are not adopted as part of this code.

(B) One certified copy of the ~~2019~~2022 California Mechanical Code is on file in the office of the Building Official, and any and all references thereto, are adopted as the Mechanical Code of the City of Corona, and each and all the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.08.030 Administration.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.08.040 [Reserved].

15.08.050 Violation – Penalty.

The violation and penalties for Chapter 15.08 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 7. Chapter 15.09 is hereby added to Title 15 of the Corona Municipal Code to read in its entirety as follows:

**"Chapter 15.09
ENERGY CODE**

Sections:

- 15.09.010 Title.
- 15.09.020 Code adoption.
- 15.09.030 Administration-Generally.
- 15.09.040 Violation – Penalty.

15.09.010 Title.

This chapter shall be cited as the Energy Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Energy Code, Title 24 Energy Code or other energy code, refers and applies to this chapter.

15.09.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as ~~2019~~2022 California Energy Code, California Code of Regulations Title 24, Part 6, including any supplements, errata, and revisions made thereto, are hereby adopted as the Energy Code of the City of Corona. (B) One certified copy of the ~~2019~~2022 California Energy Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Energy Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.09.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.09.040 Violation- Penalty.

The violation and penalties for Chapter 15.09 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 8. Chapter 15.10 is hereby added to Title 15 of the Corona Municipal Code to read in its entirety as follows:

**"Chapter 15.10
HISTORICAL BUILDING CODE**

Sections:

- 15.10.010 Title.
- 15.10.020 Code adoption.
- 15.10.030 Administration-Generally.
- 15.10.040 Violation – Penalty.

15.10.010 Title.

This chapter shall be cited as the Historical Building Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Historical Building Code, or other historic building code, refers and applies to this chapter.

15.10.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as 20192022 California Historical Building Code, California Code of Regulations Title 24, Part 8, including any supplements, errata, and revisions made thereto, are hereby adopted as the Historical Building Code of the City of Corona.

(B) One certified copy of the 20192022 California Historical Building Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Historical Building Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.10.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.10.040 Violation- Penalty.

The violation and penalties for Chapter 15.10 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 9. Chapter 15.11 is hereby added to Title 15 of the Corona Municipal Code to read in its entirety as follows:

**"Chapter 15.11
EXISTING BUILDING CODE**

Sections:

- 15.11.010 Title.
- 15.11.020 Code adoption.
- 15.11.030 Administration-Generally.
- 15.11.040 Violation – Penalty.

15.11.010 Title.

This chapter shall be cited as the Existing Building Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Existing Building Code, or other existing building code, refers and applies to this chapter.

15.11.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as ~~2019~~2022 California Existing Building Code, California Code of Regulations Title 24, Part 10, including any supplements, errata, and revisions made thereto, excluding the chapters referenced below, are hereby adopted as the Existing Building Code of the City of Corona.

- (1) Chapter 1 Division II is not adopted as part of this code.
- (2) Chapters 6 through 13 are not adopted as part of this code.
- (3) Appendix Chapters A4, C1, C2, ~~C3~~, and ~~Appendix~~Appendices B, ~~and~~ D are not adopted as part of this code.
- (4) Appendix Chapters A1, A2, A3, ~~A5~~ and ~~C1A5~~ are adopted as part of this code.
- (5) Resource Chapter A is not adopted as part of this code.

(B) One certified copy of the ~~2019~~2022 California Existing Building Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Existing Building Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.11.030 Administration – Generally.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.11.040 Violation- Penalty.

The violation and penalties for Chapter 15.11 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 10. Chapter 15.12 of Title 15 of Corona Municipal Code is hereby amended in its entirety to read as follows:

" CHAPTER 15.12

FIRE CODE

Sections:

- ~~15.12.010~~ Title.
- ~~15.12.020~~ Code adoption.
- ~~15.12.030~~ Amendments -- Generally.
- ~~15.12.040~~ Amendment -- ~~Section 103.2~~ Appointment.
- ~~15.12.050~~ Amendment -- Section 104.2.1 - Plan review fees.
- ~~15.12.060~~ ~~050~~ Amendment -- Section 105.6 - Required operational permits.
- ~~15.12.070~~ ~~060~~ Amendment -- ~~Sections 110~~ Section 112.4 -- Violation penalties.
- ~~15.12.080~~ ~~070~~ Addition -- Section ~~110~~112.4.2 - Restitution.
- ~~15.12.090~~ ~~080~~ Amendment -- Section 202 - Definitions.
- ~~15.12.100~~ ~~090~~ Addition -- Section 304.1.2 -- Vegetations.
- ~~15.12.110~~ ~~100~~ Addition -- Section 305.6 -- Hazardous Conditions.
- ~~15.12.120~~ ~~110~~ Addition -- Section 307.6 -- Outdoor fireplaces, fire pits, fire rings, and similar devices used at Group R occupancies.
- ~~15.12.130~~ ~~120~~ Addition -- Section 307.7 -- Outdoor fires.
- ~~15.12.140~~ ~~130~~ Amendment -- Section 308.1.6.3 -- Sky lanterns.
- ~~15.12.150~~ ~~140~~ Added -- Section ~~321~~ ~~324~~ - Fuel modification requirements for new construction.
- ~~15.12.160~~ ~~150~~ Added -- Section ~~322~~ ~~325~~ - Clearance of brush or vegetation growth from roadways.
- ~~15.12.170~~ ~~160~~ Added -- Section ~~323~~ ~~326~~ - Unusual circumstances.
- ~~15.12.180~~ ~~170~~ Added -- Section ~~324~~ ~~327~~ - Restricted entry.
- ~~15.12.190~~ ~~180~~ Amendment -- Section 503.2.1 - Dimensions.
- ~~15.12.200~~ ~~190~~ Amendment -- Section 503.2.4 - Turning radius.

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- ~~15.12.210—200~~ Addition -- Section 503.7 -- Two points of access.
- ~~15.12.220—210~~ Amendment -- Section 505.1 - Address identification.
- ~~15.12.230—220~~ Amendment -- Section 507.5.1 -- Hydrant locations.
- ~~15.12.240—230~~ Amendment -- Section 507.5.5 -- Clear space around exterior fire protection equipment.
- ~~15.12.250—240~~ Addition -- Section 507.5.7 - Fire hydrant size and outlets.
- ~~15.12.260—250~~ Amendment -- Section 510.1 -- Emergency responder radio coverage in new buildings.
- ~~15.12.270—260~~ Amendment -- Section 510.4.1.3 -- System performance.
- ~~15.12.280—270~~ Addition -- Section ~~706710~~ - Eave protection.
- ~~15.12.290—280~~ Addition -- Section 903.3.5.3 -- Hydraulically calculated systems.
- ~~15.12.300—290~~ Amendment -- Section 904.3.5 -- Monitoring.
- ~~15.12.310—300~~ Added -- Section 1201.1.1 -- Other systems.
- ~~15.12.320—310~~ Amendment -- Section ~~49064907.3~~ -- Requirements.
- ~~15.12.330—320~~ Addition -- Section ~~4908—4911~~ - Fuel modification for new construction.
- ~~15.12.340—330~~ Amendment -- Section 5001.5.2 - Hazardous materials inventory statement (HMIS).
- ~~15.12.350—340~~ Addition -- Section ~~5608.2~~ - Firing.
- ~~15.12.360—350~~ Amendment -- Chapter 80 - Reference standards.
- ~~15.12.370—360~~ Amendment -- Section B105.1 of Appendix B - One- and two-family dwellings.
- ~~15.12.380—370~~ Amendment -- Section B105.2 of Appendix B - Buildings other than one- and two- family dwellings, Group R-3 and R-4 buildings and townhouses.
- ~~15.12.390—380~~ Amendment -- Table B105.1(1), B105.1(2) and B105.2 of Appendix B - Minimum required fire flow and flow duration for buildings.
- ~~15.12.400—390~~ Amendment -- Table C102.1 of Appendix C - Number and distribution of fire hydrants.
- ~~15.12.410—400~~ Violation -- Penalty.

15.12.010 — Title.

-- This chapter shall be cited as the Fire Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Fire Code, or other fire code, refers and applies to this chapter.

15.12.020 — Code adoption.

-- (A) -- Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as the ~~2019~~2022 California Fire Code, and that certain document being marked and designated as the ~~2018~~2021 International Fire Code, with errata, and including the following appendices, are hereby adopted as the Fire Code for the City of Corona:

- (1) -- Appendix Chapter 4.
- (2) -- Appendices B, C, E, F, G & O.

~~— (3) Appendices A, BB, CC, D, H, I, J, K, L, M, N, and P are not adopted.~~

~~(4) In addition, Chapter 3 and Sections 403.11, 503, 510, 1103.2 and 5707, which were excluded in the 2022 California Fire Code, are hereby adopted and included in the Fire Code for the City of Corona.~~

~~(B) — One certified copy of each of the 20192022 California Fire Code and 20182021 International Fire Code are on file in the office of the Building Official, and any and all references thereto, are adopted as the Fire Code and each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.~~

~~15.12.030 — Amendments — Generally.~~

~~— Designated sections of the California Fire Code are amended to read as set forth in sections 15.12.040 through 15.12.400390.~~

~~15.12.040 — Amendment — Section 103.2 — Appointment.~~

~~Section 103.2 is amended in its entirety to read as follows:~~

~~“103.2 Appointment. The fire code official shall be appointed by the chief appointing authority of the jurisdiction.”~~

~~15.12.050 — Addition — Section 104.2.1 — Plan review fees.~~

~~— Subsection 104.2.1 is added to read as follows:~~

~~“ 104.2.1 Plan Review Fees.- When it is determined by the fire code official that plans submitted require a full plan review and such plans are received independent of the architectural plans, a fee shall be collected. -The fee shall be based on 100% of the cost of service, based on the fee schedule adopted by the City Council.”.~~

~~15.12.060 — 050 Amendment — Section 105.6-5 - Required operational permits.~~

~~— Section 105.65 is amended by deleting subsections 105.6-155.17 and 105.6-395.41 in their entirety, and adding subsection 105.5.22.1 to read as follows:~~

~~“105.5.22.1 Hazardous Materials for Special Events. One operational permit is required and will cover special events where one or more of the following hazardous materials is stored, transported on site, dispensed, used or handled in excess of the amounts listed in Section 105: 1 liquid petroleum gas, compressed gases and flammable and combustible liquids.”~~

~~15.12.070 — 060 Amendment — Section 110112.4 - Violation penalties.~~

~~— Section 110112.4 is amended in its entirety to read as follows:~~

~~“110 112.4 Violation Penalties. Persons who violate a provision of this code or fail to comply with any of the requirements thereof or who erect, install, alter, repair or do work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, shall be guilty of either a misdemeanor, infraction~~

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or both as prescribed in Section ~~110~~112.4.2.1 and ~~110~~112.4.2.2.- Each day that a violation continues after due notice has been served shall be deemed a separate offense.²."

15.12.080—070 Addition — Section ~~110~~112.4.2 — Restitution.

Section ~~110~~112.4.2 is added to read as follows:

~~110~~ 112.4.2 "Restitution.- In addition to any other penalties or provisions for restitution that may be provided for by the law, the expense of securing any emergency which is a result of a violation of this code or any other code, ordinance or State law, is a charge against the person whose violation caused the emergency. -Expenses incurred for securing such emergency shall constitute a debt of such person and is collectible by the code official in the same manner as in the case of an obligation under contract, expressed or implied.²."

~~110~~ 112.4.2.1 Infraction. -Except as provided in Section ~~110~~112.4.2.2, persons operating or maintaining any occupancy, premises or vehicle subject to this code that shall permit any fire or life safety hazard to exist on premises under their control shall be guilty of an infraction.

~~110~~ 112.4.2.2 Misdemeanor. Persons who fail to take immediate action to abate a fire or life safety hazard when ordered or notified to do so by the fire code official or a duly authorized representative, or who violate the following sections of this code, shall be guilty of a misdemeanor:

~~104~~ ~~112~~.2 — Obstructing operations

~~104~~ ~~112~~.3 — Systems and Devices

~~108~~ ~~109~~.6 — Overcrowding

~~110~~ ~~112~~.3 — ~~2~~ Compliance with Orders, Notices and Tags

~~112~~ ~~113~~.4 — Failure to Comply

~~305~~.4 — Deliberate or negligent burning

~~308~~.1.2 — Throwing or placing sources of ignition

~~310~~.7 — Burning Objects

~~3107~~.4 — Open or exposed flames"

15.12.090—080 Amendment — Section 202 - Definitions.

Section 202 General Definitions is amended by adding thereto the following ~~definition~~definitions:

“ "All Weather Driving Surface. An all weather driving surface is a concrete or asphalt covering over base material and a roadbed compacted to ninety-five percent, and of sufficient thickness to support heavy fire apparatus (approximately 75,000 gross vehicle weight) with a grade of no more than ten percent (10%) and a minimum width of twenty-eight (28) feet, unless approval for a lesser amount is obtained from the Fire code official.”

~~SPARK ARRESTER.~~ “Spark Arrester. A listed device constructed of noncombustible material specifically for the purpose of meeting one of the following conditions:

~~1.~~ 1. Removing and retaining carbon and other flammable particles/debris from the exhaust flow of an internal combustion engine in accordance with California Vehicle Code Section 38366.

~~2.~~ 2. Preventing the emission of flammable debris from ~~combustion~~combustion sources, such as ~~internal combustion engines, fireplaces,~~internal combustion engines, fireplaces, and ~~wood burning stoves.~~”wood burning stoves.”

~~15.12.100~~ ~~—~~ ~~Addition~~ ~~—~~ 090 Amendment ~~-~~ **Section 304.1.2 - Vegetations.**

Section 304.1.2 Vegetation is amended in its entirety to read as follows:

“ "304.1.2 Vegetation.- Weeds, grass, vines or other growth that is capable of being ignited and endangering property, shall be cut down and removed by the owner or occupant of the premises. Vegetation clearance requirement in urban-wildland interface areas shall be in accordance with Chapter 49 and the City of Corona Vegetation Management Guidelines, which the fire code official is hereby authorized to develop and implement.”

~~15.12.110~~ ~~—~~ 100 Addition ~~—~~ **Section 305.6 — Hazardous Conditions.**

Section 305.6 is hereby added to read as follows:

“ "305.6 Hazardous conditions.- Outdoor fires burning wood or other solid fuel otherwise permitted by Sections 307.6 and 307.7 are prohibited when any of the following conditions apply:

~~1.~~ 1. When sustained winds exceeding 8 MPH are predicted, as determined by the fire code official based upon reasonable and verifiable data.

~~2.~~ 2. When the relative humidity is less than 25%.

~~3.~~ 3. When a red flag condition has been declared by the fire code official.

~~4.~~ 4. When otherwise prohibited by the fire code official after the posting of notice of such prohibition at City Hall in a location that is freely accessible to members of the public, on the ~~City's~~City's website and any other locations or social media sites that the fire code official determines are necessary or appropriate.

Outdoor fires using any fuel type are prohibited when sustained winds exceeding 20 MPH are predicted, as determined by the fire code official based upon reasonable and verifiable data, -or when such fires present a hazard as determined by the fire code official.-”

15.12.120 — 110 Addition — Section 307.6 — Outdoor fireplaces, fire pits, fire rings and similar devices used at Group R occupancies.

Section 307.6 is hereby added to read as follows:

“ 307.6 Outdoor Fireplaces, Fire Pits, Fire Rings, or similar devices used at Group R Occupancies.- Outdoor fireplaces, fire pits, fire rings, or similar exterior devices used at Group R occupancies shall comply with this section.

Exception: Barbeques, grills, and portable devices intended solely for cooking.

307.6.1- Gas-fueled devices.- Outdoor fireplaces, fire pits and similar devices that are fueled by natural gas or liquefied-petroleum gas and designed to only burn a gas flame and not wood or other solid fuel are allowed when approved by the Building Division.- At R-3 occupancies, combustible construction material and vegetation shall not be located within three feet of an atmospheric column that extends vertically from the perimeter of the outdoor fireplace, fire pit or similar device.- At other R occupancies, the minimum distance shall be ten feet.- Where a permanent hood and vent that has been approved by the Building Division is installed, combustible construction material may encroach upon this column between the bottom of the hood and the vent opening.- All chimneys or vents installed in outdoor fireplaces, fire pits and similar devices shall have a spark arrester as defined in Section 202.

307.6.2 Devices using wood or fuels other than natural gas or liquefied-petroleum gas.- Permanent outdoor fireplaces designed to burn wood or other solid fuel shall be constructed in accordance with the California Building Code with clearance from combustible construction material and building openings as required therein. Fires in a fireplace shall be contained within a firebox with an attached chimney. The opening in the face of the firebox shall have a spark arrester.

The burning of wood or other solid fuel in a device is prohibited within 25 feet of combustible structures unless contained within an approved permanent fireplace. Conditions which could cause a fire to spread within 25 feet of a structure or to vegetation shall be eliminated prior to

ignition. Fires in devices burning wood or solid fuel shall be in accordance with Sections 305, 307, and 308.

 Exceptions:

- ~~1.~~ 1. Portable fireplaces and fire rings/pits equipped with a spark arrester that are located at least 3 feet from combustible construction at R-3 occupancies~~;~~.
- ~~2.~~ 2. Portable fireplaces, and fire pits/rings equipped with a device to arrest sparks, that are located at least 15 feet from combustible structures at all other R occupancies.

 307.6.2.1 Where prohibited.- The burning of wood and other solid fuels is prohibited within a fuel modification zone, Wildland-Urban Interface Area (WUI), or in locations where conditions could cause the spread of fire to the WUI.

 Exceptions:

- ~~1.~~ 1. Permanent fireplaces that are not located in a fuel modification zone~~.~~.
- ~~2.~~ 2. Where determined by the fire code official that the location or design of the device does not reasonably present a risk of a wildfire~~."~~."

~~15.12.130~~ — 120 Added — Section 307.7 — Outdoor fires.

 Section 307.7 is hereby added to read as follows:

 "No person shall kindle, build, light or maintain, or authorize to be kindled, built or maintained, a fire in any place other than facilities specifically designed and built for that purpose. Any fire that is built, lit, kindled or maintained pursuant to this section shall comply with all applicable permits and other regulations of air pollution control authorities and all other laws, rules and regulations. Except as provided in Section 307.6 for Group R occupancies, the use of flammable or combustible liquids (except for approved charcoal lighter fluid) are strictly prohibited. Fires shall be attended by persons over twenty-one (21) years of age at all times until extinguished. A portable fire extinguisher or other approved equipment or method of extinguishing the fire shall be available for immediate use. Fires shall be fully extinguished before vacating the area~~."~~."

~~15.12.140~~ — 130 Amendment — Section 308.1.6.3 — Sky lanterns.

Section 308.1.6.3 is hereby amended in its entirety to read as follows:

"308.1.6.3 Sky lanterns. -A person shall not ignite, release, or cause to be released a sky lantern."

15.12.150 — 140 Added — Section 321—324 - Fuel modification requirements for new construction.

Section 321324 is hereby added to read as follows:

"321 "324 Fuel modification requirements for new construction.- All new structures and facilities proposed to be constructed adjacent to land containing hazardous combustible vegetation, as determined by the fire code official, shall be reviewed in accordance with and shall be subject to the requirements of the City of Corona Vegetation Management Guidelines,~~as adopted pursuant to Section 304.1.2."~~

15.12.160 — 150 Added — Section 322—325 - Clearance of brush or vegetation growth from roadways.

Section 322325 is hereby added to read as follows:

"322 "325 Clearance of brush or vegetation growth from roadways. The fire code official is authorized to cause areas within 10 feet (3048 mm) on each side of portions of highways and private streets which are improved, designed or ordinarily used for vehicular traffic, to be cleared of flammable vegetation and other combustible growth. Measurement of the required clearance area shall be from the flow-line or the end of the improved edge of the roadway surfaces.

Exception:-Single specimens of trees, ornamental shrubbery or cultivated ground cover such as green grass, ivy, succulents or similar plants used as ground covers, provided that they do not form a means of readily transmitting fire."

15.12.170 — 160 Added — Section 323—326 - Unusual circumstances.

Section 323326 is hereby added to read as follows:

~~“323~~ “326 Unusual circumstances. The fire code official may suspend enforcement of the City of Corona Vegetation Management Guidelines, ~~as adopted pursuant to Section 304.1.2,~~ and require reasonable alternative measures designed to advance the purpose of this code if determined that in any specific case that any of the following conditions exist:

- ~~1.~~ 1. Difficult terrain.
- ~~2.~~ 2. Danger of erosion.
- ~~3.~~ 3. Presence of plants included in any state and federal resources agencies, California Native Plant Society and county-approved list of wildlife, plants, rare, endangered and/or threatened species. -
- ~~4.~~ 4. Stands or groves of trees or heritage trees. -
- ~~5.~~ 5. Other unusual circumstances that make strict compliance with the clearance of vegetation provisions undesirable or impractical. ”.

15.12.180 — 170 Added — ~~Section 324–327~~ - Restricted Entry.

Section 324327 is hereby added to read as follows:

~~“324~~ “327 Restricted entry.- The fire code official shall determine and publicly announce when hazardous fire areas shall be closed to entry and when such areas shall again be opened to entry. Entry or presence on hazardous fire areas that have been closed pursuant to this section is prohibited.

 Exceptions:

1. - Residents and owners of private property within hazardous fire areas and their invitees and guests going to or being upon their lands.

2. - Entry, in the course of duty, by peace or police officers, and other duly authorized public officers, members of a fire department and members of the United States Forest Service.

15.12.190 — 180 Amendment — ~~Section 503.2.1~~ Dimensions.

Section 503.2.1 is amended in its entirety to read as follows:

~~“~~ “503.2.1 Dimensions. -Fire apparatus access roads shall have an unobstructed width of not less than 28 feet (~~85344mm~~85,344mm) exclusive of shoulders, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 15 feet (~~4572mm~~4,572mm).

Exception: Vertical clearance may be reduced, provided such reduction does not impair access by fire apparatus and approved signs are installed and maintained indicating the established vertical clearance approved by the fire code official.²²"

15.12.200 — 190 Amendment — Section 503.2.4 – Turning radius.

Section 503.2.4 is amended in its entirety to read as follows:

"503.2.4 Turning Radius. -The required turning radius of a fire apparatus access road shall be 25 feet (76207,620 mm) inside radius and 50 feet (15,240 mm) outside radius on all turns in the fire apparatus access road, unless otherwise approved by the fire code official."

15.12.210 — 200 Addition — Section 503.7 — Two points of access.

Section 503.7 is hereby added to read as follows:

"503.7 Two points of access.- Two points of access shall be required for new development and when existing development density is increased, unless otherwise approved by the fire code official and justified by the fire protection plan.²². A secondary access point shall not satisfy the requirements of this section if it directs traffic to or from the same point as the primary access point or otherwise results in a circular traffic flow."

15.12.220 — 210 Amendment — Section 505.1 – Address identification.

Section 505.1 is amended by adding the following to the end of the section:

"Address numbers shall be illuminated during all hours of darkness. Number, size, location and means of illumination shall comply with the Corona Fire Prevention Standard for premises identification unless an alternative means or method is approved by the fire code official. -Address numbers shall be continuously maintained to comply with this section.²²."

15.12.230 — 220 Amendment — Section 507.5.1 - Hydrant locations.

Section 507.5.1 is hereby amended in its entirety to read as follows:

"507.5.1 Where required. Where a portion of the facility or building hereafter constructed or moved into or within the jurisdiction is ~~more~~located a greater distance from a hydrant on a fire apparatus access road than allowed in Appendix C —"Fire Hydrant Locations and Distribution" from a hydrant on a fire apparatus access road," as measured by an approved route around the exterior of the facility or building, on-site hydrants and mains shall be provided where required by the fire code official.²²."

Exceptions:

1.- Group R-3 and U occupancies, equipped throughout with an approved automatic sprinkler system installed in accordance with CFC 903.3.1.1 or CFC 903.3.1.2 or CFC 903.3.1.3, provided the distance requirements shall not be more than 300 feet (91.5 m), unless otherwise approved by the fire code official.²²."

15.12.240—230 Amendment — Section 507.5.5 - Clear space around exterior— fire protection equipment.

Section 507.5.5 is hereby amended to read as follows:

“ 507.5.5 Clear space around fire protection equipment.- A 3-foot (914 mm) clear space shall be maintained around the circumference of fire hydrants, fire department connections, exterior fire protection system control valves, or any other exterior fire protection system component that may require immediate access, except as otherwise required or approved.”

15.12.250—240 Addition — Section 507.5.7 Fire hydrant size and outlets

Section 507.5.7 is hereby added to read as follows:

“ 507.5.7 Fire Hydrant Size and Outlets. -Fire hydrant size and outlets shall be required as determined by the fire code official.

1.- Residential Standard — one (1) four (4) inch outlet and one (1) two and one half (2 ½)Vz) inch outlet.

2.- Super Hydrant Standard — one (1) four (4) inch outlet and two (2) -two and one half (2 ½)Vi) inch outlets.

3.- Super Hydrant Enhanced — two (2) four (4) inch outlet, and one (1) two and one half (2 ½)Vi) inch outlet.”

15.12.260—250 Amendment — Section 510.1 — Emergency responder radio coverage in new buildings.

Section 510.1 is hereby amended in its entirety to read as follows:

“ 510.1 Emergency responder radio coverage in new buildings.- All new buildings shall have approved radio coverage for emergency responders within the building based upon the existing coverage levels of the public safety communication systems utilized by the City, measured at the exterior of the building.- This section shall not require improvement of the City’sCity’s existing public safety communication systems.- The building’sbuilding’s emergency responder radio coverage system shall comply with the Corona Fire Department’sDepartment’s Guideline for Emergency Responder Radio Coverage and, where the functionality or performance requirements in the California Fire Code are more stringent, this code.-

Exceptions:

1. Structures that meet all of the following:
 - a. Wood construction
 - b. Single story
 - c. Does not exceed 10,000 square feet
2. Multi-family residential that meet all of the following:
 - a. Exterior walk up

- b. b. No interior corridors
- e. c. No subterranean storage or parking
- 3. 3. Elevators
- 4. 4. Single family residence²

15.12.270 — 260 Amendment — Section 510.4.1.3 - System performance.

 Section 510.4.1.3 is hereby amended in its entirety to read as follows:

“ 510.4.1.3 System performance.- Signal strength shall be sufficient to meet the requirements of the applications being utilized by public safety for emergency operations through the coverage area as specified by the fire code official in Section 510.4.2.2. -A minimum signal strength of 95dBm shall be receivable within the building. -A minimum signal strength of -95 dBm shall be received by the ~~agency's~~ agency's radio system when transmitted from within the building.”

15.12.280 — 270 Addition — Section 706710 - Eave protection.

 Section 706710 is hereby added to read as follows:

“ Section 706710 Eave Protection.- Buildings or structures constructed hereafter within two hundred (200) feet of high-hazard, undeveloped forest-covered, brush-covered, or grass-covered land shall have eaves or overhangs thereon protected by one-hour construction, or otherwise protected so as to prevent flying brands, ashes or sparks from entering the building or structure. The fire code official shall determine which lands are considered high-hazard, undeveloped forest-covered, brush-covered, or grass-covered for purposes of this section.”

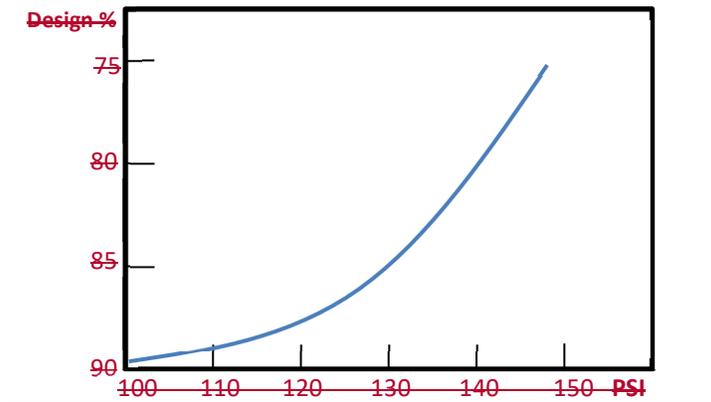
15.12.290 — 280 Addition — 903.3.5.3 - Hydraulically calculated systems.

 Section 903.3.5.3 is hereby added to read as follows:

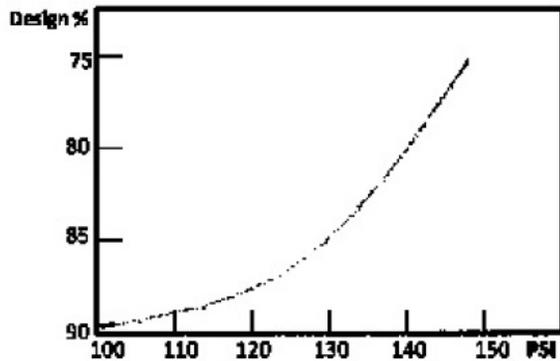
“ 903.3.5.3 -Hydraulically calculated systems.- The design of hydraulically calculated fire sprinkler systems shall not exceed 90% of the water supply capacity.

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

**TABLE 903.3.5.3
Hydraulically Calculated Systems**



**TABLE 903.3.5.3
Hydraulically Calculated Systems**



15.12.300—290 Amendment — Section 904.3.5 - Monitoring.

Section 904.3.5 is amended in its entirety to read as follows:

“ 904.3.5 Monitoring.— Where a building fire alarm or monitoring system is installed, automatic fire-extinguishing systems shall be monitored by the building fire alarm or monitoring system in accordance with NFPA 72.”

15.12.310—300 Added — Section 1201.1.1 — Other systems.

Section 1201.1.1 is added to read as follows:

“ 1201.1.1 Other Systems. Where required by the fire code official, other systems and operations, including, but not limited to: battery systems assembly, battery reconditioning and storage, research and development of battery storage systems, electric vehicle manufacturing and testing, and battery charging systems for cars and carts inside of buildings or structures, shall comply with this chapter.

Exception:- When approved by the fire code official, charging stations for electric vehicles located in open parking garages of Type I or II construction.”

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15.12.320 — 310 Amendment — Section 49064907.3 — Requirements.

Section 49064907.3 is amended in its entirety to read as follows:

~~“4906~~ “4907.3 Requirements.- Hazardous vegetation and fuels around all applicable buildings and structures shall be maintained in accordance with the following laws and regulations:

- ~~1.~~ 1. Public Resources Code, ~~Section~~§ 4291.
- ~~2.~~ 2. California Code of Regulations, Title 14, ~~Division~~Div. 1.5, ~~Chapter~~Ch. 7, ~~Subchapter~~Subch. 3, ~~Section~~§ 1299 (see guidance for implementation ~~“~~“General Guideline to Create Defensible Space”~~”~~”).
- ~~3.~~ 3. California Government Code, ~~Section~~§ 51182.
- ~~4.~~ 4. California Code of Regulations, Title 19, ~~Division~~Div. 1, ~~Chapter~~Ch. 7, ~~Subchapter~~Subch. 1, ~~Section~~§ 3.07.
- ~~5.~~ 5. City of Corona Vegetation Management Guidelines~~”~~.”

15.12.330 — 320 Addition — Section 49084911 - Fuel modification for new construction.

Section 49084911 is added to read as follows:

~~“4908~~ “4911 Fuel Modification for New Construction. All new buildings to be built or installed in ~~hazardous-fire~~ areashazard severity zones shall comply with the following:

- ~~1.~~ 1. Preliminary fuel modification plans shall be submitted to and approved by the fire code official concurrent with the submittal for approval of any tentative tract map or parcel map or building permit application, as applicable.
- ~~2.~~ 2. Final fuel modification plans shall be submitted to and approved by the fire code official prior to the issuance of a grading permit or building permit, as applicable.
- ~~3.~~ 3. The fuel modification plan shall include provisions for the maintenance of the fuel modification area in perpetuity and shall meet the criteria set forth in the ~~the~~ City of Corona Vegetation Management Guidelines.
- ~~4.~~ 4. The fuel modification plan may be altered if conditions change with the prior written approval of the fire code official.
- ~~5.~~ 5. All elements of the fuel modification plan shall be maintained in accordance with the approved plan and are subject to the enforcement process outlined in this code~~”~~.”

15.12.340 — 330 Addition — Section 5001.5.2 - Hazardous materials inventory statement (HMIS).

Section 5001.5.2 is hereby amended in its entirety to read as follows:

~~“~~ “5001.5.2 Hazardous Materials Inventory Statement (HMIS). When required by the fire code official, an application for a permit shall include Corona Fire ~~Department’s~~ Department’s Chemical Classification Packet, which shall be completed and approved prior to approval of architectural and/or system plans, and/or the storage, use or handling of chemicals on the premises. The

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Chemical Classification packet shall meet the format requirements contained in the Corona Fire Department Chemical Classification Guideline:²²"

15.12.350 — 340 Addition — Section 5608.2 - Firing.

Section 5608.2 is added to read as follows:

"Section 5608.2 — Firing. All fireworks displays shall be electronically fired."²²"

15.12.360 — 350 Amendment — Chapter 80 - Reference standards.

The sections of Chapter 80 — Referenced Standards designated below are amended to read as follows:

"NFPA 13, ~~2016~~2022 Edition, Standard for the Installation of Sprinkler Systems is hereby amended as follows:

Section ~~6.7~~16.12.3.3 is hereby amended to read as follows:

~~6.7~~ 16.12.3-3 Fire Department connections (FDC) shall be of an approved type. -The FDC shall contain a minimum of two 2 ~~1/2~~²54" inlets. -The location shall be approved and be no more than 150 feet from a public hydrant. -The FDC may be located within 150 feet of a private fire hydrant when approved by the fire code official. -The size of piping and the number of inlets shall be approved by the fire code official. -Fire department inlet connections shall be painted OSHA safety red. -When the fire sprinkler design density requires more than 500 gpm (including hose stream demand), or a standpipe system is included, two 2 ~~1/2~~²V" inlets and one 4²²" swivel female NST inlet shall be provided. FDC inlets shall be equipped with check valves.

Section ~~89.4.3-3.1~~ is hereby amended to read as follows:

~~8.3.3.1~~ 9.4.3 When fire sprinkler systems are installed ~~is in~~ shell buildings of undetermined use (Spec Buildings) other than warehouses (Group S occupancies), fire sprinklers of the quick-response type shall be used. -Use is considered undetermined if a specific tenant/occupant is not identified at the time of permit issuance. -Sprinklers in light hazard occupancies shall be one of the following:

- (+) (1) Quick-response type as defined in Section 3.6.4.8
- (2) (2) Residential sprinklers in accordance with the requirements of Section 8.4.5
- (3) (3) Quick response CMSA sprinklers
- (4) (4) ESFR sprinklers
- (5) (5) Standard spray sprinklers used for modifications of additions to existing light hazard systems equipped with standard spray sprinklers

~~(6)~~ (6) Standard spray sprinklers used where individual standard spray sprinklers are replaced in existing light hazard systems

 Section ~~8.17.2.4.6~~ 16.12.5.7 is hereby amended to read as follows:

~~8.17.2.4.6~~ 16.12.5.7 Fire department connections shall be on the street side of buildings and shall be located and arranged so that they are immediately adjacent to the approved fire department access road. -Fire department connections shall be located such that hose lines can be readily and conveniently attached to the inlets without interference from nearby objects, including but not limited to, buildings, fences, posts, vegetation or other fire department connections.

 Section ~~11~~ 19.1.1.2 is hereby amended by adding the following:

~~11.1.1.2~~ 19.1.1.2 When fire sprinkler systems are required in buildings of undetermined use other than warehouses, they shall be designed and installed to have a fire sprinkler design density of not less than that required for an Ordinary Hazard Group 2 use, with no reduction(s) in density or design area. -Warehouse fire sprinkler systems shall be designed to Figure 16.2.1.3.2(a) curve ~~“G”~~ “G”. Use is considered undetermined if a specific tenant/occupant is not identified at the time of permit issuance. -Where a subsequent occupancy requires a system with greater capability, it shall be the responsibility of the occupant to upgrade the system to the required density for the new occupancy.

 NFPA 13D ~~2016~~ 2022 Edition, Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes is hereby amended as follows:

 Section 4.1. ~~34~~ is hereby added to read as follows:

 ~~4.1.34~~ Stock of Spare Sprinklers.

 ~~4.1.34.1~~ A supply of at least two sprinklers of each type shall be maintained on the premises so that any sprinklers that are not functioning or have been damaged in any way can be promptly replaced.

 ~~4.1.34.2~~ The spare sprinklers shall be the same types and temperature ratings as installed in the dwelling.

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~~4.1.4.3.3~~ The sprinklers shall be kept in a cabinet located where the temperature to which they are subjected will at no time exceed 100°F.

~~4.1.3.4.4~~ A special sprinkler wrench shall be provided and kept in the spare head cabinet to be used in the removal and installation of sprinklers. ~~One~~ sprinkler wrench shall be provided for each type of sprinkler installed.

Section 5.1.1.2 is hereby deleted in its entirety.

~~Section 7.3.3~~ Pressure Gauges is amended to add the following Subsection 7.3.34 to read as follows:

~~7.3.3~~ 4 At least one water pressure gauge shall be installed on the riser assembly.

~~Section 7.6 Alarms~~ is hereby amended to read as follows:

~~7.6 Alarms.~~ Exterior alarm indicating device shall be listed for exterior service and audible from the street from which the house is addressed. ~~Exterior audible devices shall be placed on the front or side of the structure and the location subject to approval by the fire code official. Additional interior alarm devices shall be required to provide audibility throughout the structure and shall be powered from an uninterruptible circuit service normally servicing other appliances in the residence.~~

~~Exception:~~

~~1.~~ 1. When an approved water flow monitoring system is installed, interior audible devices may be powered through the fire alarm control panel.

~~2.~~ 2. When single- or multiple-station smoke alarms specified in CBC 907.2.11 are used to sound an alarm upon waterflow switch activation.

~~NFPA 24, 2016~~ 2019 Edition, Installation of Private Fire Service Mains and Their Appurtenances is hereby amended as follows:

Section 6.2.10 Two points of connection is hereby added to read as follows:

"6.2.10 Two points of connection. When the underground fireline exceeds 500 lineal feet, two points of connection to the City water supply are required.

15.12.370—360 Amendment — Section B105.1 of Appendix B — One- and two-family dwellings.

Section B105.1 of Appendix B is amended in its entirety to read as follows:

"B105.1 One- and two-family dwellings. The minimum fire flow and flow duration requirements for one- and two-family dwellings shall be as specified in Table B 105.1."

15.12.380—370 Amendment — Section B105.2 of Appendix B — Buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses.

Section ~~B105B~~ B 105.2 of Appendix B is amended in its entirety to read as follows:

"B105.2 Buildings other than one- and two-family dwellings, Group R-3 and R-4 buildings and townhouses. The minimum fire flow and flow duration requirements for buildings other than one- and two-family dwellings shall be as specified in Table B 105.1.

Exception: A reduction in fire flow of up to 50 percent, as approved by the fire code official, is allowed when the building is provided with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1 or 903.3.1.2. The resulting fire flow shall not be less than 1,500 gallons per minute (5677.5 L/min) for the prescribed duration."

15.12.390—380 Amendment — Tables B105.1(1), B105.1(2) and B105.2 of Appendix B — Minimum required fire flow and flow duration for buildings.

Tables B 105.1(1), B105.1(2) and B105.2 of Appendix B are deleted in their entirety and replaced with the following:

"TABLE B105.1

MINIMUM REQUIRED FIRE-FLOW AND FLOW DURATION FOR BUILDINGS*

-

Use	Required Flow (gallons per minute)	Duration
One- and Two-Family Dwelling	1500 gpm	2 hours
Multi-Family Dwelling	2500 gpm	2 hours
Commercial	3000 gpm	3 hours

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Industrial

3500 gpm

4 hours

*Or as otherwise required by the Fire code official^{22"}

15.12.400 — 390 Amendment — Table C102.1 of Appendix C — Number and spacing of fire hydrants.

Table ~~C102C~~ 102.1 of Appendix C is amended in its entirety to read as follows:

TABLE C102.1

NUMBER AND SPACING OF FIRE HYDRANTS

USE	MAXIMUM DISTANCE BETWEEN HYDRANTS (FEET)	MAXIMUM DISTANCE From Any Point FROM ANY POINT ON STREET OR Road Frontage ROAD FRONTAGE OR Fire Department Access FIRE DEPARTMENT ACCESS TO A Hydrant HYDRANT (FEET)
One- and Two-Family Dwelling	300	150
Multi-Family Dwelling	250	125
Commercial/Industrial	250	125

15.12.410 — 400 Violation — Penalty.

When authorized by the fire code official in writing, the Building Official shall enforce provisions of this chapter under the provisions of the Corona Municipal Code, Chapter 15.70.”

SECTION 11. Chapter 15.20 of Title 15 of the Corona Municipal Code is hereby amended in its entirety to read as follows:

**"Chapter 15.20
PLUMBING CODE**

15.20.010	Title.
15.20.020	Code adoption.
15.20.030	Administration.
15.20.040	Amendments – Generally.
15.20.050	Addition – Section 314.3-Open trenches.
15.20.060	Violation – Penalty.

15.20.010 Title.

This chapter shall be cited as the Plumbing Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Plumbing Code, or other plumbing code, refers and applies to this chapter.

15.20.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as the ~~2019~~2022 California Plumbing Code, California Code of Regulations Title 24, Part 5, including any supplements, errata, and revisions made thereto, and including the following specifically identified appendices and portions thereof, are hereby adopted as the Plumbing Code of the City of Corona:

- (1) Chapter 1 Division II is not adopted as part of this code.
- (2) Appendices A, B, D, H~~and~~, I, and M are adopted as part of this code.
- (3) Appendices C, E, F, G, J, K, L and ~~MN~~ are not adopted as part of this code.

(B) One certified copy of the ~~2019~~2022 California Plumbing Code shall be kept on file in the office of the Building Official, and any and all references thereto, are adopted as the Plumbing Code of the City of Corona and each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.20.030 Administration.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.20.040 Amendments – Generally.

Designated sections of the ~~2019~~2022 California Plumbing Code are amended to read as set forth in ~~Sections 15.20.040 and~~Section 15.20.050.

15.20.050 Amendment – Section 314.3 - Open trenches.

Section 314.3 is amended by adding the following paragraph to the end of said section to read as follows:

“No permittee hereunder shall leave unattended at any time any excavation for sewer or sewage disposal facilities, unless the permittee shall have first provided a suitable and adequate barricade, which will prevent any person from being in any way injured as a result of said excavation. Said permittee shall at all times during the existence of said excavation maintain said barricade in a manner suitable to protect any person from being so injured.”

15.20.060 Violation--Penalty.

The violation and penalties for Chapter 15.20 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 12. Chapter 15.28 of the Corona Municipal Code is hereby amended in its entirety to read as follows:

**"CHAPTER 15.28
ELECTRICAL CODE**

Sections:

- 15.28.010 Title.
- 15.28.020 Code adoption.
- 15.28.030 Administration.
- 15.28.040 Violation – Penalty.

15.28.010 Title.

This chapter shall be cited as the Electrical Code of the City of Corona and any reference in the city's municipal code or any chapter thereof to the California Electrical Code, or other electrical code, refers and applies to this chapter.

15.28.020 Code adoption.

(A) Subject to the particular additions, amendments and deletions set forth in this chapter, all the rules, regulations, provisions and conditions set forth in that certain document being marked and designated as ~~2019~~2022 California Electrical Code, California Code of Regulations Title 24, Part 3, including any supplements, errata, and revisions made thereto, and including the Tables and Annexes thereto, but excluding Annexes E, F, G, H, I, and J, are hereby adopted as the Electrical Code of the City of Corona.

(B) One certified copy of the ~~2019~~2022 California Electrical Code shall be kept on file in the office of the Building Official of the City of Corona, and any and all references thereto, are adopted as the Electrical Code of the City of Corona, subject to the changes contained in this chapter. Each and all of the regulations, provisions, penalties, conditions and terms thereof are referred to, adopted and made a part of this chapter, as though fully set forth at length.

15.28.030 Administration.

The administrative procedures as adopted in Chapter 15.02 of the Corona Municipal Code shall apply to this chapter.

15.28.040 Violation--Penalty.

The violation and penalties for Chapter 15.28 shall be as adopted in Chapter 15.02 and 15.70 of the Corona Municipal Code.”

SECTION 13. ~~Certain sections~~Section 15.52.030(B)(1) (Burglar-Resistant Material) of Chapter 15.52 (Security Provisions) of the Corona Municipal Code ~~are~~is hereby amended to read as follows:

~~15.52.030 Definitions—Construction~~

...

~~(B) Technical definitions are as follows.~~

~~—(1) “Burglar-resistant material” means framed glass or glass-like materials, including, but not limited to, poly-carbonate sheet plastic, acrylic sheet plastic and tempered glass that will withstand the impact of a five-pound steel ball dropped from a height of 40 feet and five impacts from a height of ten feet concentrated within a five-inch diameter area of the surface without breaking or release from frame; or other materials compliant with UL 972 or other nationally recognized standards acceptable to the Building Official.”~~

SECTION 14. Section 15.52.040 (Certificate of Occupancy) of Chapter 15.52 (Security Provisions) of the Corona Municipal Code is hereby amended to read as follows:

“15.52.040 Certificate of occupancy.

This chapter shall be administered and enforced by the Building Official who shall not issue a certificate of occupancy for any building or structure in occupancy groups A to ~~JU~~JU, inclusive, as provided in the city’s Building Code and as defined in § 15.52.020 until he or she has inspected the building or structure for which the certificate of occupancy is sought and has determined that all of the requirements of this chapter have been complied with.”

~~15.52.060 Tests.~~

...

~~SECTION 15. Section 15.52.060(C) (Certified Copy of Test Standards of Comparable Performance) of Chapter 15.52 (Security Provisions) of the Corona Municipal Code is hereby amended to read as follows:~~

~~“(C) Certified copy of test standards of comparable performance. In lieu of the actual conduct of the described tests, the Building Official may, at his or her discretion, accept a certified copy of test standards of comparable performance issued by any manufacturer of the devices listed in this chapter. Any device then certified by that manufacturer as conforming to those test standards may be installed without further testing, provided that the certified copy of the test standards remains on file in the Development Services Division office of the city Building Official.”~~

~~SECTION 16. Section 15.52.080—(A) (Requirements – Nonresidential building-Building) of Chapter 15.52 (Security Provisions) of the Corona Municipal Code is hereby amended to read as follows:~~

~~“(A) The requirements of this section shall apply to nonresidential buildings, in accordance with § 15.52.020, except those buildings and structures classified as described in Division I of a Group JU occupancy, as defined in the city’s Building Code.”~~

~~SECTION 17. Section 15.52.140 (Agricultural Buildings) of Chapter 15.52 (Security Provisions) of the Corona Municipal Code is hereby amended to read as follows:~~

~~15.52.140 Agricultural buildings.~~

~~All agricultural buildings, as defined in Division I of the classified as Group JU Occupancy, as described in the city’s Building Code, shall conform to the requirements for nonresidential buildings provided hereinabove, except that the Building Official may, at his or her discretion, exempt any agricultural building or structure which is used solely for the housing of livestock or other animals.”~~

~~SECTION 14. Certain sections 18. Section 15.56.250(D) (Violations) of Chapter 15.56 (Unsafe Buildings) of the Corona Municipal Code are is hereby amended to read as follows:~~

~~15.56.250—Violations.~~

~~“(D) Any person, firm, partnership, association or corporation violating any of the provisions of this chapter or provisions of the codes, rules or regulations adopted in this chapter by reference shall be guilty of an infraction. Any person who continues to occupy or any person who enters a structure which has been posted "unsafe" by the Building Official pursuant to Uniform California Building Code § 203116 or Chapter 15.56 of this code shall be guilty of a misdemeanor.”~~

SECTION 15. ~~Certain sections~~ **19.** Section 15.60.020(D) (Definitions) of Chapter 15.60 (Underground Wires) of the Corona Municipal Code ~~are~~ is hereby amended to read as follows:

~~15.60.020~~ Definitions.

...
(D) “(D) “Service” has the same meaning as the term is defined in the National California Electrical Code, 1971 Edition, including tables thereof and the Basic Electrical Regulations of the State of California 2022 edition, as adopted by § 15.28.050.020.”

SECTION 20. Section 15.60.080— (Nonconformance — Termination.) of Chapter 15.60 (Underground Wires) of the Corona Municipal Code is hereby amended to read as follows:

...
(B) The term “cost of replacing,” as used in this section means those costs as computed by the city’s principal planning and building official or his or her delegated representative. In making the computation, the city official shall use those tables and figures provided in that publication document entitled “Building Standards Valuation Data,” as published by International Conference of Building Officials, Whittier, California, Code Council and which is current at the time of such computations. The tables and figures shall apply to a building which would conform to all the city and state regulations, including city’s building, plumbing, wiring, mechanical, fire codes and zoning regulations which are effective at the time of the computation.”

SECTION 1621. Prior Ordinances Repealed. Upon the effective date of this Ordinance, all former ordinances or parts thereof conflicting or inconsistent with the provisions of this Ordinance or the codes herein adopted by reference and any other ordinance in conflict herewith are hereby repealed and declared to be of no further force and effect.

SECTION 1722. CEQA. The City Council finds that the adoption of the California Building Standards Code and the amendments proposed herein are exempt pursuant to Section 15061(b)(3) of the Guidelines for the California Environmental Quality Act (CEQA), which states that a project is exempt from CEQA if the activity is covered by the general rule that CEQA applies only to projects that have the potential for causing a significant effect on the environment. Where 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. This Ordinance, which adopts updated building and safety standards, is enacted to mitigate the threats posed to public peace, health and safety from earthquakes, high winds and fire. In this regard, the recitals set forth in this Ordinance are incorporated herein by reference as findings. Therefore, there is no possibility that adopting this Ordinance will have a significant effect on the environment and no further environmental analysis is required. Staff is directed to file a notice of exemption within five (5) days of the adoption of this Ordinance.

SECTION 1823. Severability. If any section, subsection, subdivision, paragraph, sentence, clause or phrase added by this Ordinance, or any part thereof, is for any reason held to be unconstitutional or invalid or ineffective by any court of competent jurisdiction, such decision shall not affect the validity or effectiveness of the remaining portions of this Ordinance or any part thereof. The City Council hereby declares that it would have passed each section, subsection, subdivision, paragraph, sentence, clause or phrase thereof irrespective of the fact that any one or more subsections, subdivisions, paragraphs, sentences, clauses or phrases are declared unconstitutional, invalid or ineffective.

SECTION 1924. Certification/Publication. The Mayor shall sign this ordinance and the City Clerk shall attest thereto and shall within fifteen days of its adoption cause it or a summary of it to be published in the Press Enterprise, a newspaper published and circulated in the City of Corona; and thereupon and thereafter this ordinance shall take effect and be in force according to law.

SECTION 2025. Effective Date. This Ordinance shall take effect thirty (30) days following its adoption by the City Council or on January 1, 2023, whichever is later.

PASSED, APPROVED AND ADOPTED this ~~XX~~[#]7th day of ~~November~~December, 2022.

Mayor of the City of Corona, California

ATTEST:

City Clerk of the City of Corona

CERTIFICATION

I, SYLVIA EDWARDS, City Clerk of the City of Corona, California, do hereby certify that the foregoing Ordinance was regularly introduced at a regular meeting of the City Council of the City of Corona, California, duly held the ~~XX~~¹⁶th day of November, 2022 and thereafter at a regular adjourned meeting held on the ~~XX~~⁷th day of ~~November~~December, 2022, it was duly passed and adopted by the following vote of the Council:

AYES:

NOES:

ABSENT:

ABSTAINED:

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the City of Corona, California, this ~~XX~~⁷th day of ~~November~~December 2022.

City Clerk of the City of Corona, California

(SEAL)



Staff Report

File #: 22-0895

REQUEST FOR CITY COUNCIL ACTION

DATE: 11/16/2022

TO: Honorable Mayor and City Council Members

FROM: Council Member Jacque Casillas

SUBJECT:

Advance Travel Request for Council Member Jacque Casillas to attend 2022 League of California Cities Leaders Workshop.

EXECUTIVE SUMMARY:

This staff report asks the City Council to consider approving the advance travel request for Council Member Jacque Casillas, the designated voting delegate for the City, to attend the 2022 League of California Cities Leaders Workshop.

RECOMMENDED ACTION:

That the City Council approve the advance travel request for Council Member Jacque Casillas to attend the 2022 League of California Cities Leaders Workshop. The estimated total cost for the requested trip is \$679.75, which includes, meals, parking, and mileage reimbursement.

BACKGROUND & HISTORY:

Administration Policy No. 01200.001 (Travel and Other Expenses Reimbursement Policy) requires all City Officials to obtain advanced approval from the City Council for trips involving overnight stays or travel by air.

The League of California Cities hosts an annual Leaders Workshop, which is attended by leaders from multiple cities throughout the State. Each year, the Cal Cities Board of Directors and leadership from the divisions, departments, policy committees, and diversity caucuses come together for the League Leaders Workshop to shape Cal Cities legislative priorities for the upcoming year.

This gathering provides an opportunity for city leaders to review their progress on this year's strategic advocacy priorities, discuss challenges and opportunities for cities, and inform recommendations for 2023 advocacy priorities to be considered by the Cal Cities Board during its

December meeting.

ANALYSIS:

The League of California Cities Leaders Workshop will be held November 30, 2022, through December 2, 2022. The conference location alternates between northern and southern California, with the conference taking place in Monterey this year. In 2021, Council Member Jacque Casillas was appointed as Vice Chair of the League of California Cities Community Services Policy Committee.

FINANCIAL IMPACT:

City Council Members' travel and other expense reimbursements are funded by the City Council's operating budget in the General Fund. Funding for the amount claimed on this report is included in the approved Fiscal Year 2023 Budget.

ENVIRONMENTAL ANALYSIS:

This action is exempt pursuant to Section 15061(b)(3) of the Guidelines for the California Environmental Quality Act (CEQA), which states that a project is exempt from CEQA if the activity is covered by the commonsense exemption that CEQA applies only to projects that have the potential for causing a significant effect on the environment. Where 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. This action is for an advance travel request. Therefore, no environmental analysis is required.

PREPARED BY: ANGELA NIETO, EXECUTIVE ASSISTANT

REVIEWED BY: JACOB ELLIS, CITY MANAGER

Attachments:

1. Exhibit 1 - City Official Travel & Expense Reimbursement Form
2. Exhibit 2 - 2022 League of California Cities Leaders Workshop Schedule



CITY OF CORONA

CITY OFFICIAL ADVANCE TRAVEL REQUEST (AP 01200.001)

Jacque Casillas, Council Member is requesting to travel to Monterey, CA to attend the League of California Cities Leaders Workshop from November 30, 2022, to December 2, 2022. The purpose of this trip is to gather to provide an opportunity for city leaders to review their progress on this year’s strategic advocacy priorities, discuss challenges and opportunities for cities, and inform recommendations for 2023 advocacy priorities to be considered by the Cal Cities Board during its December meeting. In 2021 Council Member Jacque Casillas was appointed the League of California Cities policy committee as their vice chair in Community Services. All actual and necessary expenses incurred by Jacque Casillas for this trip, including registration, meals, lodging, transportation, and airfare, will be paid for or reimbursed by the City, so long as and to the extent such expenses comply with Administrative Policy 01200.001, Travel and Other Expense Reimbursement Policy. Estimated total costs for the requested trip are listed below:

Registration	Meals	Lodging	Transportation	Airfare	Other (Parking)	Total*
\$ No fees	\$121.00	\$ No fees	\$453.75	\$ No fees	\$105.00	\$679.75

* Total cost is an estimate only, based on event information provided by requestor.

ATTACHMENTS: League of California Cities Leaders Workshop schedule

PREPARED BY: _____ **Date:** _____
 Angela Nieto, Executive Assistant

REQUESTED BY: _____ **Date:** _____
 Jacque Casillas, Council Member

COST ESTIMATED BY: _____ **Date:** _____
 Administrative Services Dept.

APPROVED BY: _____ **Date:** _____
 Mayor

Schedule

Online Events	
Oct. 4-18	Respond to the annual member survey (<i>open to all Cal Cities members – will be distributed via email, Listservs, and the Cal Cities Advocate</i>)
Nov. 10 10:00 a.m.–Noon	League Leaders Briefing (<i>Virtual Meeting</i>) <ul style="list-style-type: none"> • 2022 Member Survey Results • 2022 Legislative Year in Review • 2023 Political Outlook
Nov.-Dec. (various dates and times)	Leadership Orientations (<i>Virtual Meetings</i>) <ul style="list-style-type: none"> • Caucus Leadership • Department Leadership • Division Leadership • Policy Committee Leadership

In-Person Workshop	
Nov. 30 6:00-8:30 p.m. 8:30-10:00 p.m.	League Leaders Reception and Dinner (<i>shuttles to Monterey Bay Aquarium will be provided</i>) Dessert reception hosted by the League Partners
Dec. 1 7:30-9:00 a.m. 9:00 a.m.-5:00 p.m. Evening	Networking Breakfast League Leaders Workshop (<i>includes lunch</i>) Departure or Dinner on your Own
Dec. 2 (optional) 7:30-8:30 a.m. 8:30 a.m.–12:30 p.m.	Breakfast Board Meeting (<i>adoption of the 2023 Action Agenda and other business</i>) (<i>League Leaders who are not currently serving as members of the board are invited, but not expected, to stay to observe the Board meeting.</i>)



In-Person Workshop Registration and Travel Information

Please register [here](#) no later than **Monday, Nov. 7, 2022.**

Hotel reservations are not guaranteed for registrations received after the deadline.

Complimentary Registration is open to invited guests only and includes:

- Hotel nights for Wednesday and Thursday*
- Wednesday Receptions and Dinner
- Thursday Breakfast and Lunch
- Thursday League Leaders Workshop
- Friday Breakfast and Board Meeting

**Thursday night stay is optional for League Leaders. The Workshop will conclude on Thursday at 5:00 p.m., but all League Leaders are invited to observe the Board meeting on Friday.*

You will receive a confirmation via email once registration is complete. A credit card will be requested upon check in at the hotel for parking and incidental expenses. Please note that cancellations received after November 23, 2022, will incur a fee of \$189.00. If you have any questions, changes, or special needs, please email Megan Dunn, Conference Registrar, at mdunn@calcities.org.

Meeting Location: Monterey Marriott
350 Calle Principal
Monterey, CA 93940
(831) 649-4234

Check In: 4:00 p.m.

Check Out: Noon