



# RFA GOVERNANCE BOARD REGULAR MEETING AGENDA

10:00 A.M. – Monday, December 13, 2021

Fire Station #14, 1900 Lind Ave SW, Renton WA 98057

Zoom Webinar: <https://us02web.zoom.us/j/84836968318>

Dial-in: (253) 215-8782 | Webinar ID: 848 3696 8318

View Live via Facebook: <http://www.Facebook.com/RentonRFA>

- Call Meeting to Order
- Flag Salute
- Roll Call
- Agenda Modifications
- Announcements, Proclamations, and Presentations
  - Promotion Pinning Ceremony
  - Thank You Presentation

- Executive Session

Executive Session pursuant to RCW 42.30.110(1)(i), to discuss with legal counsel representing the agency litigation or potential litigation to which the agency, the governing body, or a member acting in an official capacity is, or likely to become, a party, when public knowledge regarding the discussion is likely to result in an adverse legal or financial consequence to the agency.

Executive Session pursuant to RCW 42.30.110(1)(b),(c), to consider the selection of a site or the acquisition of real estate or the minimum price at which real estate will be offered for sale or lease when public knowledge regarding such consideration would cause a likelihood of increased or decreased price. However, final action selling or leasing public property shall be taken in a meeting open to the public.

- Public Comment

*Members of the audience may comment on items relating to any matter related to RFA business under the Public Comment period. Comments are limited to three (3) minutes per person pursuant to the rules established under Section 8 of the bylaws.*

- Consent Agenda

- Approval of [Minutes from November 8, 2021](#) Regular Meeting
- Approval of [Vouchers](#): AP Check Register 10/16/2021 – 11/15/2021  
Payroll Checklist 10/1/2021 – 10/31/2021

- Signing of Vouchers

- Board Committee Reports

- Budget & Finance Committee
- Operations and Capital Committee

- [Chief's Report](#)
- Division Reports
  - EMS/Health Safety (Deputy Chief Chuck DeSmith)
    - FEMA Female Firefighters Cancer Cohort Study (FFCCS) – two new recruit female FFs and two tenured female FFs in study on job stress and exposures
    - GEMT in final approval stage for April 2022 start date
    - Two new hires – CARES RNs; Ride Alongs on CARES 314 available for District 40 Commissioners!
  - Office of the Fire Marshal (Fire Marshal Anjela Barton)
    - [OFM Monthly Report](#)
  - Support Services (Deputy Chief Mark Seaver)
    - [Station 11 Remodel](#)
    - [Apparatus Update](#)
    - Station 15 Flooding Claims
    - Surplus Vehicle/Equipment Update
  - Response Operations (Deputy Chief Will Aho)
    - Significant Incidents
      - 12/2 – 3 car MVA on Maple Valley Hwy and 140<sup>th</sup> Ave SE
    - Training
      - Extrication Block Training
      - Night Drills for all crews
      - BC Academy and Annual Training
      - IFSAC Fire Officer 2 Certification for Hyslop, Rismiller, Donnell, Alvarado, Mocharnyy, dos Remedios, Brown
      - IFSAC Fire Instructor 2 Certification for Blakeslee and Estibal
      - Boat Based Drive
      - JATC Preparation Tower Time
      - Swiftwater Quarterly Training at Snoqualmie Falls
      - 4<sup>th</sup> Quarter Truck Training
      - NSCC Ride Along
      - Monthly Hazmat Saturday Training - Hazmat Group Supervisor Training
      - Monthly Sunday Rope Tech Training
    - Public Outreach
      - Fairwood Crest, Fairwood West, Candlewood/Carriage Wood, Woodside HOA Meetings
      - Canine Companion ST13 Visit
      - Briarwood Elementary E316 Visit
    - Operations
      - State Mobilization for Whatcom County Request for Swiftwater Teams. RRFA part of a seven-member team deployed to Emerson, WA to assist.

- Reports
    - [Total Call Volume by Station Area](#)
    - [Total Call Volume by Incident Type](#)
- Correspondence
  - [Thank You from Local 864](#)
- Unfinished Business
- New Business
  - [Resolution 2021-09 – Authorizing Defense Costs](#)
  - [Resolution 2021-10 – Authorizing Sole Source/Special Market Condition](#)
  - [Purchase of New Brush Rig](#)
  - [Purchase Additional Radios through the PSERN Project](#)
  - [Appointment of 2022 Chair and Vice Chair of the RRFA Governance Board](#)
- Good of the Order
- Future Meetings:
  - Monday, January 10, 2021, 10:00 a.m., Governance Board Regular Meeting, Fire Station #13 (18002 108<sup>th</sup> Ave SE, Renton) / Video Conference
  - Monday, January 24, 2021, 9:00 a.m., Budget/Finance Committee Meeting, Video Conference
  - Monday, January 24, 2021, 10:30 a.m., Operations/Capital Committee Meeting, Video Conference
- Adjournment



## Renton Regional Fire Authority

18002 108<sup>th</sup> Ave SE  
Renton, WA 98055  
Office: (425) 276-9500  
Fax: (425) 276-9592

### MINUTES

#### RFA Governance Board Regular Meeting

10:00 A.M. – Monday, November 08, 2021

Fire Station #13 – 18002 108<sup>th</sup> Ave SE, Renton

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### CALL TO ORDER

Governance Board Chair Pérez called the regular meeting to order at 10:00 a.m.

### ROLL CALL

#### Governance Board Members Present:

Kerry Abercrombie (Fire District 25)

Ruth Pérez, Chair (City of Renton)

Marcus Morrell, Vice Chair (Fire District 25)

Ryan McIrvin (City of Renton)

Myron Meikle (Fire District 25)

Randy Corman (City of Renton)

#### Governance Board Members Not Present:

Linda Sartnurak (Non-Voting Advisory Position, Fire District 40)

#### Administrative Staff Present:

Fire Chief Steve Heitman, Chief Administration Officer Samantha Babich, Deputy Chief Chuck DeSmith, Fire Marshal Anjela Barton, Deputy Chief Mark Seaver, Deputy Chief William Aho, Battalion Chief Craig Soucy, Facilities Manager Scott Murphy, Communications Manager Katie Lewis, IT Technician Wyatt Humphreys, Administrative Specialist Evyn Villa, and RFA Attorney Brian Snure.

A **MOTION** was made by Board Member Abercrombie and **SECONDED** by Board Member Corman to excuse the absent Board Member from this meeting. **MOTION CARRIED (6-0)**

Board Member Sartnurak called-in at 10:02 a.m. and joined via Video Conference at 10:10 a.m.

### AGENDA MODIFICATIONS

There were no agenda modifications.

### ANNOUNCEMENTS, PROCLAMATIONS, AND PRESENTATIONS

There were no announcements, proclamations, and presentations.

### PUBLIC COMMENT

There was no public comment.

### CONSENT AGENDA

A **MOTION** was made by Board Member Corman and **SECONDED** by Board Member Abercrombie to approve the consent agenda for November 08, 2021. **MOTION CARRIED (6-0)**

## GOVERNANCE BOARD REGULAR MEETING MINUTES

November 08, 2021

Page 2 of 5

### SIGNING OF VOUCHERS

The members of the Board signed the Voucher Approvals for November 08, 2021.

### BOARD COMMITTEE REPORTS

There were no Board Committee reports.

### CHIEF'S REPORT

Chief Heitman's report included the following:

- **Congratulations are in Order**

I'd like to also congratulate the following members for completing their JATC Step 1A in October!

- FF Claire O'Brien
- FF Michaela Wallace
- FF Mickey Bergsma
- FF Alexis McGinnis
- FF Jessica Clearman
- FF Jason Munden
- FF Joseph Mack
- FF Emilie Poffenroth
- FF Ryan Northrup

- **Retirements and Promotions**

Engineer Christian Moore retired on October 19<sup>th</sup> after 28 years, and Lieutenant Tom Sowards retired on November 2<sup>nd</sup> after 30 years. Please join me in congratulating the following members on their promotions:

- FF Robert Elliott and FF Ben Thomas – promoted to Engineer effective October 16<sup>th</sup>
- FF Todd Fisher – promoted to Engineer effective November 16<sup>th</sup>
- FF Kelly Rose – promoted to Lieutenant effective November 16<sup>th</sup>

- **HOA Presentation Wrap-Up**

Between Deputy Chief Will Aho and I, Renton RFA presented information about the fire benefit charge and Proposition 1 to a total of 15 community and HOA groups, including the Renton PTA Council whose members later took a vote and unanimously agreed to give us their endorsement of 20 parent/teacher associations. IAFF Local 864 posted a thank you to our community members on their Facebook page.

- **Proposition 1 Update**

We are elated at the overwhelming support the Renton community gave for Proposition 1. It is hard to articulate how grateful we are, but the energy in the stations is simply electric. Our organization is purpose-built to serve the Renton community, and the votes of confidence in what we have delivered to-date, and the potential in our future, feels amazing. I want to give a big thank you to the community for making it possible for us to do what we do. We're excited to continue providing exemplary fire and life safety services to the Renton community today, and long into the future. Our own members put forth time and energy to ensure the information for Proposition 1 reached our citizens. A list of these efforts is attached to this Chief's report. If you have not done so already, please take the time to read this information. The amount of teamwork and effort that went into this proposition is quite impressive and I personally want to say thank you and congratulations to our entire team.

- **Station Open Houses**

We had a high turnout at each of the station open houses in October. We welcomed

## GOVERNANCE BOARD REGULAR MEETING MINUTES

November 08, 2021

Page 3 of 5

members of the community, cub scout packs, several future firefighters, and had the opportunity to answer questions from our voters while giving a glimpse into the day-in-the-life of our firefighters. The response from the Renton community was overwhelming with positive feedback. We appreciate all who attended.

- **Firefighter Interviews**

We interviewed 15 candidates on November 3<sup>rd</sup> and 4<sup>th</sup> from the eligibility list that was certified in June 2021. We have made six conditional job offers for the January 2022 academy.

- **Fire Training Consortium Board**

This month, I was elected as the incoming Chair for the Fire Training Consortium. I look forward to helping advance the mission of the consortium in preparing our newest firefighters to reach their full potential.

- **Honoring Our Veterans Golf Tournament 2021**

On Monday, November 1<sup>st</sup>, members of RRFA participated in a Veterans Golf Tournament that the Renton Chamber of Commerce hosted at Maplewood Golf Course in which they sponsored four of our firefighters. Following the tournament, I attended an awards ceremony to network, where they gave out raffle prizes and recognized our Veterans. It was a great event and an amazing opportunity to further develop community relations.

- **Governance Board Notifications**

Per our procurement process and policy, I am notifying the Board of the following purchase(s): Station 15 Water Damage Remediation – \$20,108.17

### **DIVISION REPORTS**

#### **Administration**

- CAO Babich provided a high-level overview of the 3<sup>rd</sup> Quarter 2021 Financial Report.

#### **Office of the Fire Marshal**

- Fire Marshal Barton provided a quarterly report on YTD inspections, fire investigations, and permitting. New construction highlights include the Solera Apt Project in the Highlands. Community outreach events included visits to school classrooms, Truck Drive-Through, Trunk or Treat, and participation in the Washington Poison Center live discussion.

#### **Support Services**

- Deputy Chief Mark Seaver updated the Board on efforts to purchase a new brush rig through Cascade Fire. The tenant improvement project for Station 11 will be starting within 30 days and scheduled for completion within 90 days. There is continued discussion with King County regarding the land swap for Station 16.

#### **Response Operations**

- Deputy Chief Will Aho presented last month's significant incident report which included: 10/12 and 10/19 Residential Fires, 10/22 Shooting at Met Banquet Hall, 10/29 Shooting at NE 4th St Safeway, 10/20 2-alarm Fire at Honey Creek Apts.

## GOVERNANCE BOARD REGULAR MEETING MINUTES

November 08, 2021

Page 4 of 5

- Training: Dive Team/Parallel Search, Hazmat Team – Natural Gas Emergencies, Tech Rescue, Quarterly EMS Training, Extrication Training, IFSAC Fire Office/Instructor 1 Certification, Rescue Drive Certification, Swiftwater Tech Certification, Hazmat Tech Certification & IQ.
- Public Outreach: Open Houses ST11, 12, 13, 15; Renton Stadium Aid Car Standby, Drive-Thru Truck or Treat, Amazon Fulfillment Ctr Walk-Thru.
- Operations: Lt Assessment Ctr

### **CORRESPONDENCE**

Chief Heitman shared a thank you letter directed to FF Claire O'Brien in response to her 1<sup>st</sup> grade classroom visit. In addition, Chief Heitman shared positive feedback from the public via social media posts in response to October's Station Open Houses.

### **UNFINISHED BUSINESS**

There was no unfinished business.

### **NEW BUSINESS**

#### **Resolution 2021-06: Property Tax Levy 2022**

CAO Babich proposed to the Board adoption of Resolution 2021-06, which would increase the regular property tax levy by 1.9% from the previous year; a dollar amount of \$337,974.

A **MOTION** was made by Board Member Corman and **SECONDED** by Board Member Meikle to adopt Resolution 2021-06 Property Tax Levy 2022. **MOTION CARRIED (6-0)**

#### **Resolution 2021-07: Certifying Property Tax Levy & Adopting Operating Budget 2022**

CAO Babich proposed to the Board adoption of Resolution 2021-07, which establishes the 2022 budget amount of \$45,870,788 and the 2022 property tax levy amount of \$18,409,165.

A **MOTION** was made by Corman and **SECONDED** by Board Member Abercrombie to adopt Resolution 2021-07 Property Tax Levy and Operating Budget 2022. **MOTION CARRIED (6-0)**

#### **Resolution 2021-08: Benefit Charge 2022**

CAO Babich proposed to the Board adoption of Resolution 2021-08, which establishes the 2022 Benefit Charge amount of \$17,607,534.

A **MOTION** was made by Board Member Corman and **SECONDED** by Board Member McIrvine to adopt Resolution 2021-08 Benefit Charge 2022. **MOTION CARRIED (6-0)**

### **GOOD OF THE ORDER**

Board Member Meikle and Sartnurak requested that the Board be sent incident reports for community updates. Board Member Abercrombie asked for an update on the accreditation process.

### **EXECUTIVE SESSION**

There was no executive session.

## GOVERNANCE BOARD REGULAR MEETING MINUTES

November 08, 2021

Page 5 of 5

### **FUTURE MEETINGS**

- Monday, November 22, 2021, 9:00 a.m., Budget/Finance Committee Meeting, Video Conference
- Monday, November 22, 2021, 10:30 a.m., Operations/Capital Committee Meeting, Video Conference
- Monday, December 13, 2021, 10:00 a.m., Governance Board Regular Meeting, Fire Station #14 (18002 108<sup>th</sup> Ave SE, Renton) / Video Conference

### **ADJOURNMENT**

The meeting was adjourned at 10:55 a.m.

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Ruth Pérez, Board Chair

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Evyn Villa, Board Secretary



## VOUCHER APPROVAL FOR DECEMBER 13<sup>TH</sup>, 2021 MEETING

### AUDITING OFFICER CERTIFICATION

I, the undersigned, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered, or the labor performed as described herein, that any advance payment is due and payable pursuant to a contract or is available as an option for full or partial fulfillment of a contractual obligation, and that the claim is a just, due and unpaid obligation against the Renton Regional Fire Authority, and that I am authorized to authenticate and certify said claim.

Auditing Officer: \_\_\_\_\_  
Steven C. Heitman, Fire Chief

### AUDIT COMMITTEE

The vouchers below have been reviewed and certified by individual departments and the RFA's Auditing Officer as required by RCW's 42.24.080 & 090, and a list of vouchers has been provided for review by the Finance Committee.

The undersigned members of the Finance Committee of the Renton Regional Fire Authority do hereby approve for payment accounts payable vouchers totaling \$2,074,021.81, payroll vouchers and direct deposits totaling \$1,302,979.28.

| <b>A/P VOUCHERS</b>     | <b>Payment Date</b>     | <b>Numbers</b>         | <b>Amount</b>         |
|-------------------------|-------------------------|------------------------|-----------------------|
| Virtual Pay             | 10/16/2021 - 11/15/2021 | APA00001-APA00084      | \$888,588.56          |
| Checks                  | 10/16/2021 - 11/15/2021 | 13646-13653            | \$6,821.60            |
| EFTs                    | 10/16/2021 - 11/15/2021 |                        | \$273,167.76          |
| Bank Drafts             | 10/16/2021 - 11/15/2021 |                        | \$905,443.89          |
| AR Refund Checks        | 10/16/2021 - 11/15/2021 |                        |                       |
| <b>TOTAL A/P</b>        |                         |                        | <b>\$2,074,021.81</b> |
|                         |                         |                        |                       |
|                         |                         | <b>No. of Vouchers</b> | <b>Amount</b>         |
| <b>PAYROLL VOUCHERS</b> |                         |                        |                       |
| Direct Deposits         | 10/25/2021              | 169                    | \$635,024.98          |
| Payroll Checks          | 10/25/2021              | 1                      | \$0.00                |
| Direct Deposits         | 11/10/2021              | 171                    | \$667,954.30          |
| Payroll Checks          | 11/10/2021              | 1                      | \$0.00                |
| <b>TOTAL PAYROLL</b>    |                         | <b>342</b>             | <b>\$1,302,979.28</b> |
|                         |                         |                        |                       |
| <b>TOTAL CLAIMS</b>     |                         |                        | <b>\$3,377,001.09</b> |

Renton Regional Fire Authority Governance Board:

\_\_\_\_\_  
Ruth Pérez, Board Chair

\_\_\_\_\_  
Marcus Morrell, Board Vice Chair

\_\_\_\_\_  
Myron Meikle, Board Member

\_\_\_\_\_  
Kerry Abercrombie, Board Member

\_\_\_\_\_  
Randy Corman, Board Member

\_\_\_\_\_  
Ryan McIrvine, Board Member



## RENTON REGIONAL FIRE AUTHORITY

# M E M O R A N D U M

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**DATE:** December 13, 2021

**TO:** Kerry Abercrombie (Fire District 25)  
Randy Corman (City of Renton)  
Ryan McIrvine (City of Renton)  
Myron Meikle (Fire District 25)  
Marcus Morrell (Fire District 25)  
Ruth Pérez (City of Renton)  
Linda Sartnurak (Non-Voting Advisory Position, Fire District 40)

**FROM:** Steve Heitman, Fire Chief

**SUBJECT:** Renton Regional Fire Authority Chief's Report

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### 1. Members of the Quarter

Please join me in congratulating the following members of the 3<sup>rd</sup> and 4<sup>th</sup> Quarters! These members consistently exemplify our core values, and we appreciate their dedication to our department and community.

- Officer of the 3<sup>rd</sup> Quarter – Brandon Myking
- Firefighter of the 3<sup>rd</sup> Quarter – Schuyler Nagorski

### 2. Annual Holiday Tree Lighting

On Saturday, November 27<sup>th</sup>, Santa Claus arrived safely to the Renton Pavilion Event Center after the tree lighting ceremony on Ladder 311. I'd like to recognize the Station 11 crews for their presence and support during the event.

- Battalion 311 – BC Steve Winter
- Engine 311 – LT Jacob Smith, ENG Ben Thomas & FF James Hopf
- Ladder 311 – LT Nick Bushnell, ENG Brandon Kern & FF Lindsay Ris

### 3. 2021 Firefighter Holiday Adopt-A-Family Program

Our members, in partnership with the Renton Firefighters Benevolent Association, Local 864 Firefighters Union and Communities in Schools of Renton, Renton RFA adopted eight families this year in the annual holiday adopt-a-family program. The Union Pumper is scheduled to visit families and deliver gifts (with Santa!) on Wednesday, December 22<sup>nd</sup>. Please join me in thanking Firefighter Kayla Eychner for coordinating this event each year, and our members and the Renton Firefighters Union for making this holiday season a little brighter for these families in our community.

#### **4. Diversity & Inclusion Workshop**

I'm participating in a diversity and inclusion workshop on Saturday, December 11<sup>th</sup> hosted by the King County Fire Chiefs Association. We coordinated with the City of Renton's Equity, Housing, and Human Services department to send invitations out to our diverse community to provide information for the event and offer the opportunity to participate, which resulted in all 120 slots filled. The focus of the workshop is on the hiring process, mentoring and preparation for a career in the fire service.

#### **5. Everson Flood Deployment**

Since the flooding began, everyone from law enforcement and first responders to mayors, neighbors and local agencies have been answering the call to help. On November 27<sup>th</sup> and 28<sup>th</sup>, Battalion Chief Steve Winter and Firefighters Adam Bloom and Angus Brackett were deployed in response to the latest round of river flooding in the Everson area of Whatcom County. These members are part of our dive team, and I want to personally thank each of them for their assistance to our neighbors during this time.

#### **6. Governance Board Notifications**

Per our procurement process and policy, I am notifying the Board of the following purchases.

HazMat Level A Suits – \$27,423.85

New Recruit Bunker Gear – \$22,707.90

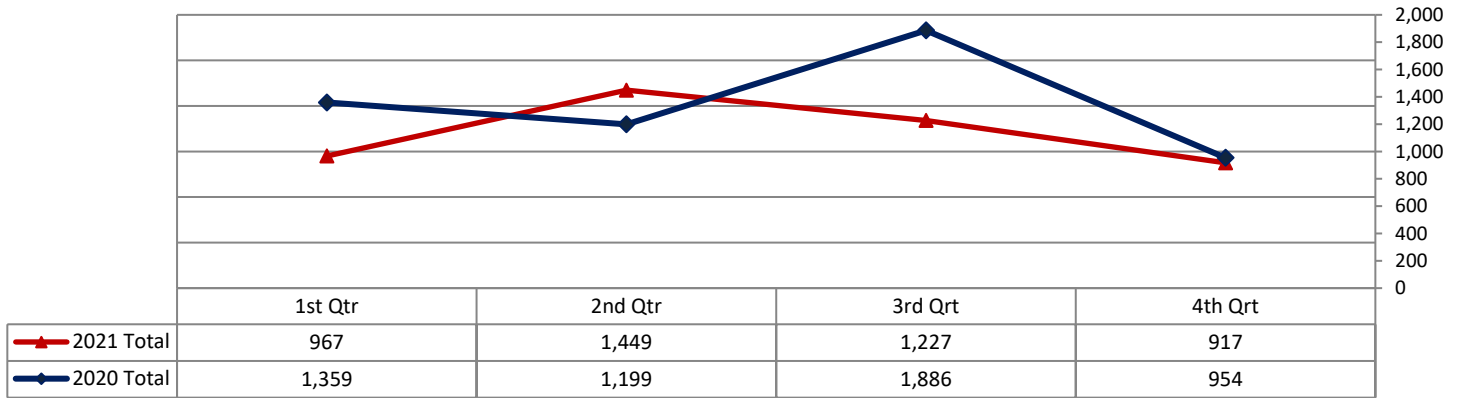
# Office of the Fire Marshal 2021 Quarterly Report

## December

### Inspections

Staff have completed 4,560 inspections (business, multi-family, IFC permit, special, complaint & re-inspections) in 2021.

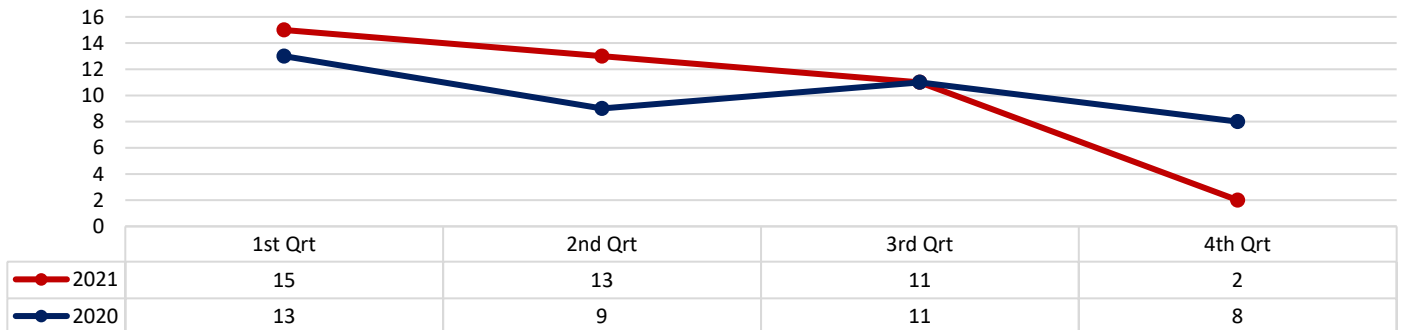
Inspections Completed by Quarter - Comparative to 2020



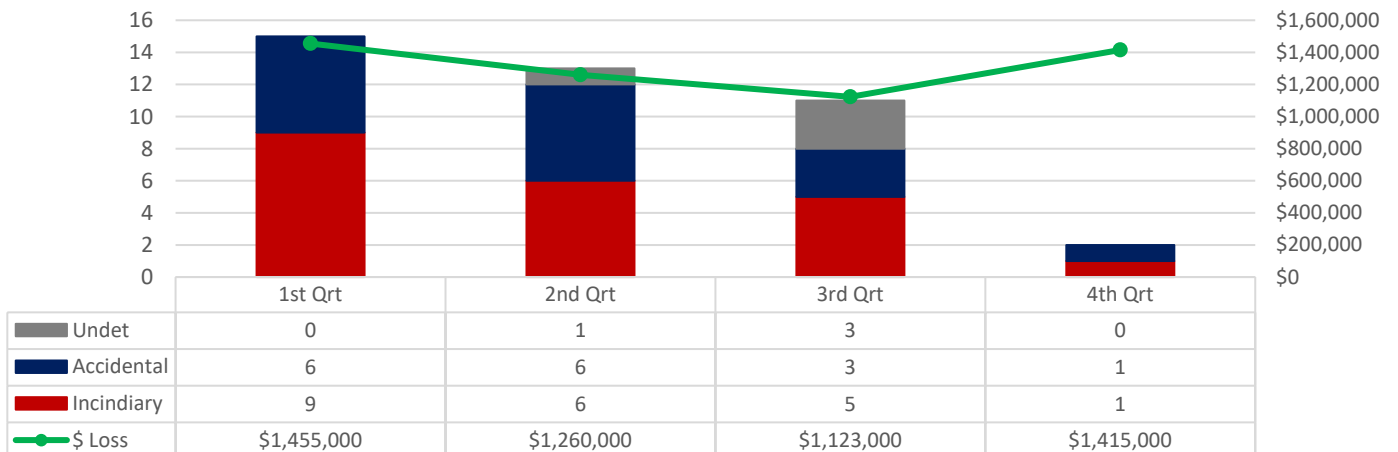
### Fire Investigations

Staff have investigated 41 fires in 2021. Dollar loss estimated at \$5.2 million.

Fire Investigations by Quarter - Comparative to 2020



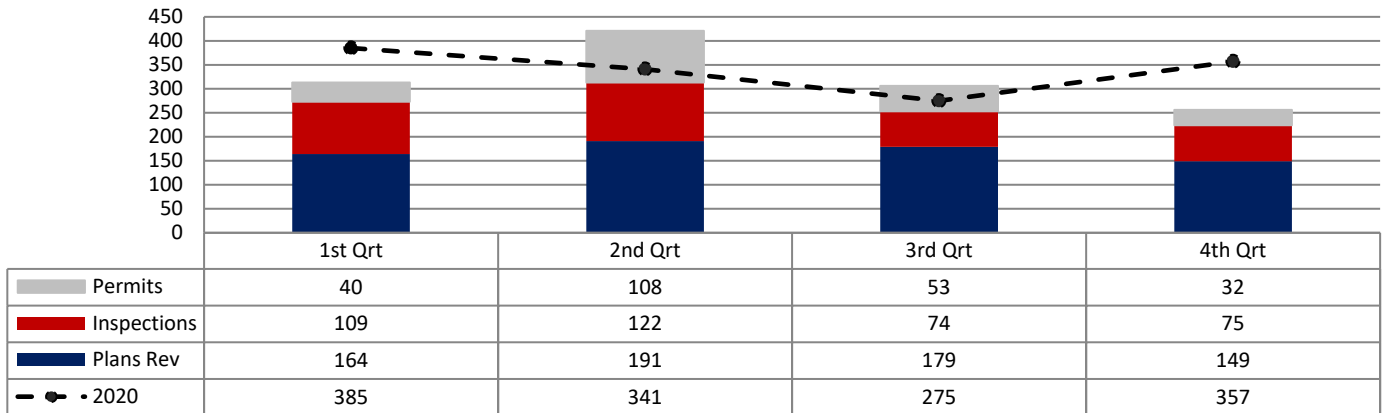
Fires by Type & Dollar Loss



## Plans Review, Construction Inspections & Permits

Staff completed 683 plans reviews, 380 construction inspections, and issued 171 fire systems and/or fire construction permits.

Plans Review, Construction Inspections & Permits by Quarter - Comparative to 2020



## New Construction Highlights....

- Reviews started on three large apartment buildings: Sunset Garden Apartments – Renton Housing Authority ( 4 story -76 units), Watershed Apartments that will be across from City Hall ( 6 story – 145 units), and Cedar River Apartments on Maple Valley Highway (5 story – 481 units).

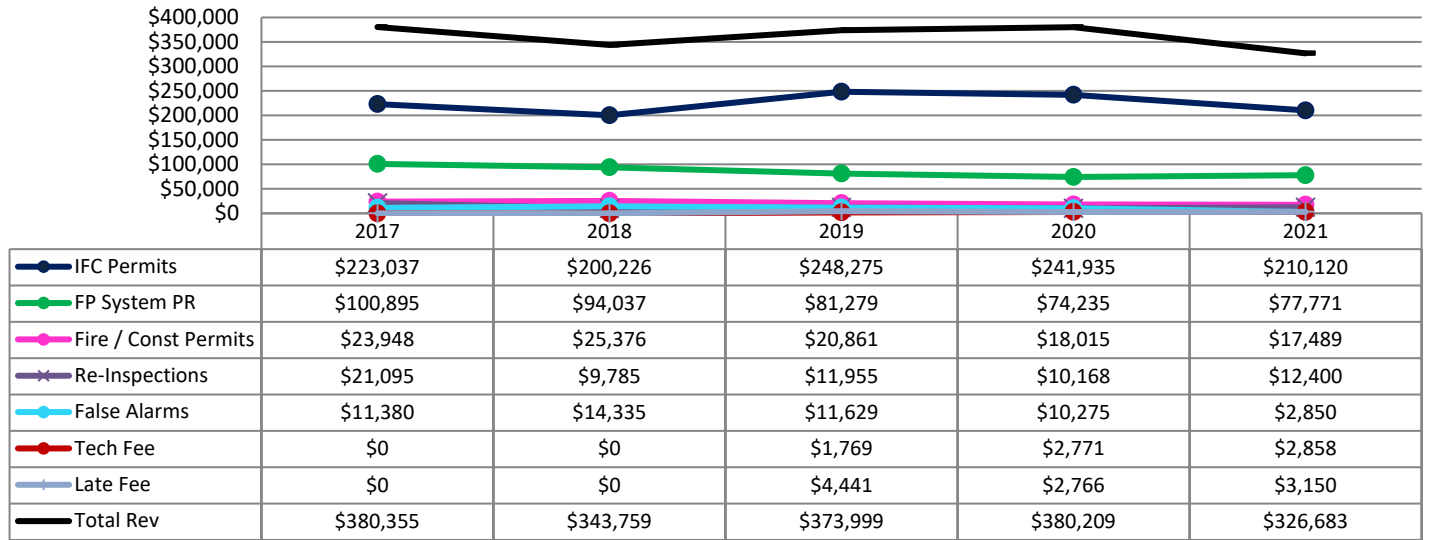


## Public Education / Community Outreach Highlights

- Continued with our Kindergarten Fire Safety Program and had contact with 105 students in November.
- Developed and provided a host of fire safety and injury prevention messages via social media pertaining to the holidays.
- Installed 3 smoke alarms in the community (this is a program the department established in partnership with Fred Meyer, Lowes, Walmart and McLendon's around 5 years ago where-in they provide an inventory of free smoke alarms to us for install in homes in need)
- Coordinated and participated in an outdoor engine visit with E316 at Briarwood Elementary where we engaged with 80 students in discussing fire safety.

**Revenue** \$326,683 has been collected to date in fees in 2021.

**OFM Revenue by Year (2017-Present)**







[Back to Top](#)





**In-Process Photographs  
Professional Sales  
and Service  
Renton Regional Fire  
#20322  
Cell 10  
December 01, 2021**

[hortonambulance.com](http://hortonambulance.com)





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Current Year ▾

Jan 1, 2021 - Dec 3, 2021 ▾

23%

FIRE

Percentage of Total Incidents

76%

EMS

Percentage of Total Incidents

18,026

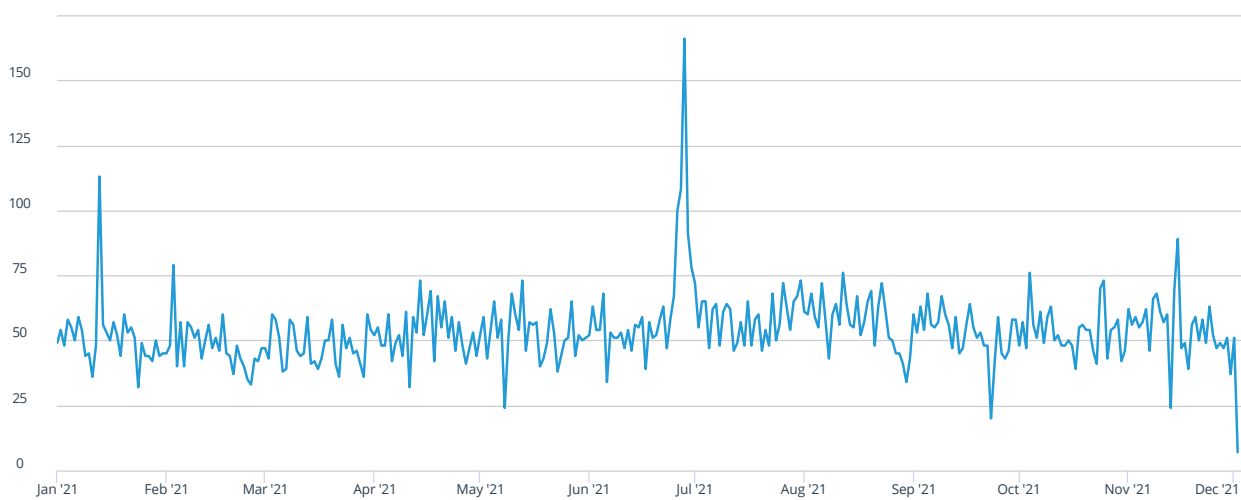
INCIDENTS

In Selected Time Slice

337

DAYS

In Selected Time Slice



Counts

% Rows

% Columns

% All

|                     | Jan '21 | Feb '21 | Mar '21 | Apr '21 | May '21 | Jun '21 | Jul '21 | Aug '21 | Sep '21 | Oct '21 | Nov '21 | Dec '21 | Jan '22 | Total  |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| Out of Jurisdiction | 6       | 4       | 11      | 64      | 62      | 95      | 81      | 85      | 99      | 84      | 121     | 4       |         | 716    |
| Station 11          | 331     | 303     | 336     | 308     | 322     | 398     | 381     | 375     | 338     | 301     | 310     | 3       |         | 3,706  |
| Station 12          | 291     | 229     | 207     | 252     | 259     | 289     | 283     | 302     | 262     | 269     | 276     | 12      |         | 2,931  |
| Station 13          | 332     | 261     | 339     | 330     | 350     | 412     | 367     | 405     | 329     | 374     | 372     | 18      |         | 3,889  |
| Station 14          | 231     | 246     | 211     | 236     | 209     | 225     | 238     | 208     | 188     | 190     | 147     | 6       |         | 2,335  |
| Station 15          | 99      | 56      | 87      | 78      | 104     | 106     | 112     | 115     | 79      | 104     | 104     | 5       |         | 1,049  |
| Station 16          | 131     | 103     | 112     | 136     | 137     | 167     | 142     | 117     | 114     | 136     | 126     | 3       |         | 1,424  |
| Station 17          | 173     | 134     | 177     | 180     | 176     | 193     | 208     | 164     | 183     | 193     | 188     | 7       |         | 1,976  |
| Total               | 1,594   | 1,336   | 1,480   | 1,584   | 1,619   | 1,885   | 1,812   | 1,771   | 1,592   | 1,651   | 1,644   | 58      |         | 18,026 |



Current Year ▾

Jan 1, 2021 - Dec 3, 2021 ▾

24%

## FIRE

Percentage of Total Incidents

76%

## EMS

Percentage of Total Incidents

18,173

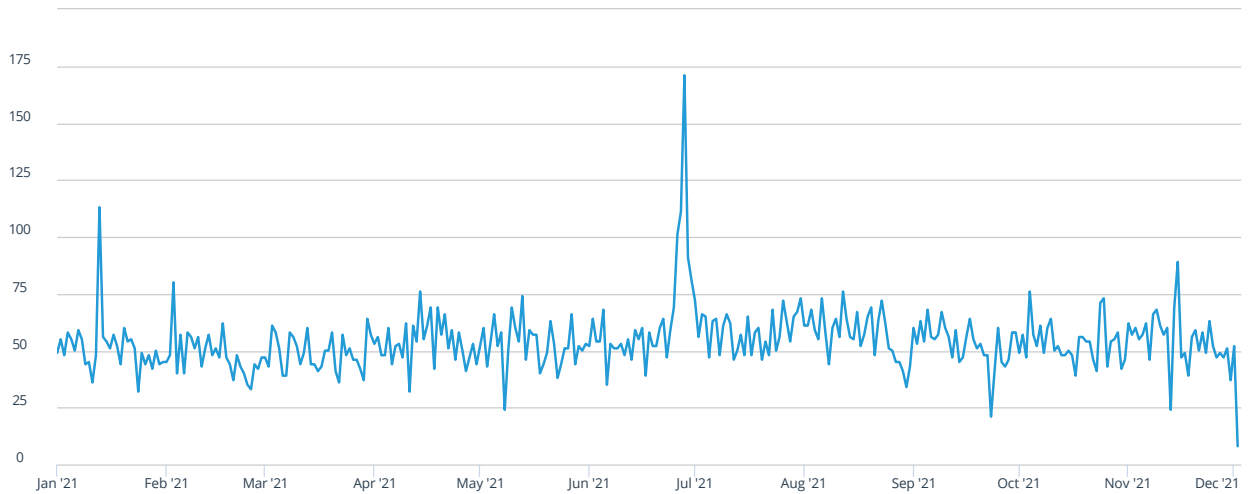
## INCIDENTS

In Selected Time Slice

337

## DAYS

In Selected Time Slice



Counts

% Rows

% Columns

% All

|  | Jan '21 | Feb '21 | Mar '21 | Apr '21 | May '21 | Jun '21 | Jul '21 | Aug '21 | Sep '21 | Oct '21 | Nov '21 | Dec '21 | Jan '22 | Total |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
| (10) Fire, other                                       | 1       | 4       | 2       | 2       | 1       | 2       | 5       | 5       | 2       | 4       | 1       |         |         | 29    |
| (11) Structure Fire                                    | 12      | 11      | 18      | 15      | 11      | 12      | 16      | 14      | 4       | 12      | 12      |         |         | 137   |
| (12) Fire in mobile property used as a fixed structure |         |         | 1       | 1       |         |         |         | 1       |         |         |         |         |         | 3     |
| (13) Mobile property (vehicle) fire                    | 4       | 4       | 1       | 8       | 2       | 2       | 4       | 5       | 1       | 3       | 9       |         |         | 43    |
| (14) Natural vegetation fire                           |         | 2       | 1       | 11      | 11      | 23      | 78      | 40      | 19      | 2       |         |         |         | 187   |
| (15) Outside rubbish fire                              | 8       | 8       | 12      | 8       | 19      | 12      | 14      | 15      | 7       | 4       | 6       | 1       |         | 114   |
| (16) Special outside fire                              | 1       | 1       | 2       | 2       |         | 2       | 4       | 2       | 1       |         |         |         |         | 15    |
| (17) Cultivated vegetation, crop fire                  |         |         |         |         |         |         | 2       |         |         |         |         |         |         | 2     |
| (20) Overpressure rupture, explosion, overhear, other  |         | 1       |         |         |         | 1       |         |         |         | 1       |         |         |         | 3     |
| (21) Overpressure rupture from steam (no ensuing fire) | 1       | 1       |         |         |         |         |         |         |         |         |         |         |         | 2     |
| (22) Overpressure rupture from air or gas (no fire)    |         |         |         |         |         |         |         |         |         |         | 1       |         |         | 1     |
| (24) Explosion (no fire)                               |         |         |         |         |         | 1       | 1       |         |         | 1       |         |         |         | 3     |
| (25) Excessive heat, scorch burns with no ignition     |         | 1       |         |         | 2       | 2       |         |         |         | 1       |         |         |         | 6     |

[Back to Top](#)

|   | Jan '21 | Feb '21 | Mar '21 | Apr '21 | May '21 | Jun '21 | Jul '21 | Aug '21 | Sep '21 | Oct '21 | Nov '21 | Dec '21 | Jan '22 | Total  |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| (30) Rescue, emergency medical call (EMS), other        |         | 4       | 5       | 4       | 2       | 1       | 2       | 1       | 1       | 2       | 1       |         |         | 23     |
| (31) Medical assist                                     | 133     | 118     | 108     | 98      | 116     | 146     | 124     | 147     | 112     | 135     | 134     | 7       |         | 1,378  |
| (32) Emergency medical service (EMS) incident           | 1,129   | 898     | 1,072   | 1,152   | 1,201   | 1,284   | 1,173   | 1,182   | 1,085   | 1,128   | 1,117   | 43      |         | 12,464 |
| (34) Search for lost person                             |         |         |         |         |         | 1       |         |         |         |         |         |         |         | 1      |
| (35) Extrication, rescue                                | 2       | 7       | 2       | 1       |         | 2       | 5       | 1       | 4       | 3       | 1       |         |         | 28     |
| (36) Water or ice-related rescue                        |         | 2       |         |         | 4       | 8       | 3       | 5       | 2       | 1       |         |         |         | 25     |
| (38) Rescue or EMS standby                              |         |         |         | 2       |         |         |         | 2       |         |         | 2       |         |         | 6      |
| (40) Flammable gas or liquid condition, other           | 3       |         |         | 2       | 1       | 2       |         | 1       | 1       |         | 1       |         |         | 11     |
| (41) Combustible/f.. spills & leaks                     | 5       | 10      | 7       | 5       | 6       | 7       | 4       | 4       | 6       | 9       | 6       |         |         | 69     |
| (42) Chemical release, reaction, or toxic condition     |         |         | 1       | 3       | 2       | 1       | 3       | 3       |         | 2       | 3       |         |         | 18     |
| (44) Electrical wiring/equipm.. problem                 | 19      | 10      | 1       | 5       | 7       | 6       | 1       | 11      | 14      | 18      | 14      |         |         | 106    |
| (46) Accident, potential accident                       | 1       |         |         |         | 1       |         | 1       | 1       |         |         | 2       |         |         | 6      |
| (48) Attempted burning, illegal action                  |         | 2       | 1       | 1       | 3       | 1       | 4       | 6       | 2       |         |         |         |         | 20     |
| (50) Service call, other                                | 16      | 6       | 12      | 4       | 5       | 9       | 10      | 6       | 7       | 7       | 19      |         |         | 101    |
| (51) Person in distress                                 |         | 3       | 1       | 1       | 4       | 9       |         | 3       | 1       | 2       | 2       |         |         | 26     |
| (52) Water problem                                      | 15      | 6       | 10      | 4       | 10      | 9       | 15      | 13      | 6       | 7       | 4       |         |         | 99     |
| (53) Smoke, odor problem                                | 12      | 5       | 6       | 9       | 4       | 7       | 5       | 5       | 8       | 9       | 7       |         |         | 77     |
| (54) Animal problem or rescue                           |         | 1       |         |         |         |         |         |         |         |         |         |         |         | 1      |
| (55) Public service assistance                          | 12      | 10      | 5       | 14      | 11      | 24      | 27      | 19      | 44      | 38      | 28      |         |         | 232    |
| (56) Unauthorized burning                               | 3       | 6       | 13      | 8       | 12      | 9       | 25      | 20      | 11      | 7       | 4       |         |         | 118    |
| (57) Cover assignment, standby at fire station, move-up |         |         | 1       |         |         | 1       |         | 1       |         |         |         |         |         | 3      |
| (60) Good intent call, other                            | 5       | 6       | 1       | 6       | 1       | 3       | 1       | 7       | 3       | 6       | 1       |         |         | 40     |
| (61) Dispatched and canceled en route                   | 83      | 86      | 102     | 102     | 94      | 135     | 128     | 98      | 117     | 98      | 121     | 5       |         | 1,169  |
| (62) Wrong location, no emergency found                 | 5       | 3       | 1       | 5       | 12      | 10      | 13      | 13      | 13      | 9       | 13      |         |         | 97     |
| (63) Controlled burning                                 |         | 3       | 3       | 2       | 1       | 1       | 4       |         | 4       |         |         |         |         | 18     |
| (65) Steam, other gas mistaken for smoke                | 8       | 8       | 13      | 8       | 5       | 9       | 12      | 8       | 7       | 2       | 8       |         |         | 88     |

[Back to Top](#)

|   | Jan '21 | Feb '21 | Mar '21 | Apr '21 | May '21 | Jun '21 | Jul '21 | Aug '21 | Sep '21 | Oct '21 | Nov '21 | Dec '21 | Jan '22 | Total  |
|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| (66) EMS call where party has been transported          | 1       |         |         |         |         |         |         |         |         |         |         |         |         | 1      |
| (67) HazMat release investigation w/no HazMat           | 1       | 7       | 5       | 3       | 3       | 4       | 6       | 2       | 5       | 1       | 3       |         |         | 40     |
| (70) False alarm and false call, other                  | 16      | 6       | 5       | 9       | 8       | 7       | 21      | 23      | 15      | 14      | 11      |         |         | 135    |
| (71) Malicious, mischievous false alarm                 | 4       | 8       | 13      | 13      | 6       | 6       | 14      | 4       | 11      | 6       | 5       |         |         | 90     |
| (72) Bomb scare   | 1       |         |         |         |         |         |         |         |         | 1       |         |         |         | 2      |
| (73) System or detector malfunction                     | 42      | 33      | 17      | 23      | 22      | 62      | 24      | 33      | 21      | 23      | 29      | 1       |         | 330    |
| (74) Unintentional system/detect... operation (no fire) | 52      | 68      | 68      | 80      | 45      | 87      | 64      | 67      | 59      | 72      | 66      | 3       |         | 731    |
| (75) Biohazard scare                                    |         |         |         |         |         |         | 1       |         |         |         |         |         |         | 1      |
| (90) Special type of incident, other                    |         |         | 1       | 1       |         | 1       | 3       | 3       | 1       | 7       | 4       |         |         | 21     |
| (91) Citizen complaint                                  |         |         |         | 2       |         |         | 1       | 3       |         | 1       |         |         |         | 7      |
| NULL  | 2       | 1       | 1       |         | 1       | 4       |         |         |         | 3       | 1       |         |         | 13     |
| UNK   | 5       |         |         |         |         |         |         |         |         | 14      | 7       |         |         | 26     |
| UNK   | 1       |         |         |         |         |         |         |         |         | 3       | 3       |         |         | 7      |
| Total   | 1,603   | 1,350   | 1,512   | 1,614   | 1,633   | 1,913   | 1,818   | 1,774   | 1,594   | 1,656   | 1,646   | 60      |         | 18,173 |

# Thank You



*From your Renton Firefighters Union*

Dear Renton Regional Fire Authority Governance Board,  
We thank you and applaud your efforts in completing a new contract for services with King County Fire District #40. We're excited for the relationship to continue.

THANK YOU!

BS

Dulger

Bddh

Robert H. H. H.

K

NABR



## Governing Board Agenda Item

SUBJECT/TITLE: Resolution 2021-09 Authorizing Defense Costs

STAFF CONTACT: CAO Samantha Babich

### SUMMARY STATEMENT:

RCW 4.96.041 authorizes the RFA to deliver legal costs and defense for past and present officers, employees, and volunteers named as defendants in an action or proceeding. Resolution 2021-09 outlines the procedures involved in providing a defendant protection from liabilities incurred in the performance of their duties to the RFA.

### FISCAL IMPACT:

Expenditure \_\_\_\_\_ Revenue \_\_\_\_\_

Currently in the Budget Yes ☐ No ☐

### SUMMARY OF ACTION:

Formally authorize the RFA to implement the procedures stated in Resolution 2021-09.

Reviewed by Legal Yes ☒ No ☐

### EXHIBITS:

Resolution 2021-09 Authorizing Defense Costs

### RFA GOVERNANCE BOARD RECOMMENDED ACTION:

I move to adopt Resolution 2021-09 and the procedures therein.

RENTON REGIONAL FIRE AUTHORITY

RESOLUTION NO. 2021-09  
AUTHORIZING DEFENSE COSTS

**WHEREAS**, RCW 4.96.041 authorizes local governmental entities to provide past and present officers, employees, and volunteers who are named as defendants in an action or proceeding with a defense at the cost of the local governmental entity.

**WHEREAS**, Renton Regional Fire Authority “RFA” is a local government entity.

**WHEREAS**, The Governing Board has determined that it is in the best interest of the RFA to protect its officers, employees, and volunteers from liabilities incurred in the performance of their duties to the RFA.

**NOW, THEREFORE, BE IT HEREBY RESOLVED**, that the Governing Board of the Renton Regional Fire Authority hereby establishes the following procedures to formally implement the authorization granted by RCW 4.96.041.

1. **Request.** Any past or present Board member, officer, employee, or volunteer who is named as a defendant in an action or proceeding may file a written request with the Board to provide a defense to the action or proceeding at the expense of the RFA. A copy of the claim, complaint or other pleading initiating the action or proceeding must be attached to the request.
2. **Request for Injunctive Relief.** Any Board member, officer, employee, or volunteer who is required to seek injunctive relief to enable them to perform their duty to the RFA when faced with threats of harm to their personal or business interests directly resulting from their service to the RFA may request that the Board provide legal counsel as necessary to obtain and enforce the necessary injunctive relief.
3. **Investigation.** Upon receipt of a request the Board shall refer the matter to the RFA's attorney or another investigator to conduct an investigation of the acts or omissions out of which the action or proceeding arose to determine the following:
  - 3.1. The nature of the acts or omissions that gave rise to the action or proceeding.
  - 3.2. Whether the acts or omissions of the individual were, or in good faith purported to be, within the scope of the individual's official duties with the RFA.
  - 3.3. Whether the RFA has insurance coverage that may cover the alleged acts or omissions of the individual.
4. **Report to Board.** The investigator shall file a written report of the investigation with the Board. The report shall be a confidential document until the action or proceeding is completed.
5. **Board Action.** If the investigation finds that the acts or omissions of the individual were, or in good faith purported to be, within the scope of the individual's official duties with the RFA and that the RFA's insurance policies provide possible coverage the Board shall tender



defense of the action or proceeding to the RFA's insurance carrier. In the event insurance coverage is not available the Board shall authorize the individual's defense at the expense of the RFA. The Board shall select the attorney to defend the action or proceeding.

6. **Settlement.** In the event the RFA agrees to provide the defense of the action or proceeding, the Board of the RFA shall have the discretion to determine whether the action or proceeding should be settled and the terms and conditions of the settlement.
7. **Reservation of Rights.** The Board of the RFA, in the event the RFA shall have assumed defense of the action or proceeding, may withdraw its defense if, in the conduct of the defense, it shall become aware of information showing that the acts or omissions of the individual were not, or in good faith did not purport to be, within the scope of the individual's official duties with the RFA.
8. **Payment of Judgment.** In the event a monetary judgment for non-punitive damages is entered against the individual as a result of the action or proceeding, the Board may, in its discretion, appeal the judgment if an appeal procedure is available. When the monetary judgment for non-punitive damages becomes final the Board shall satisfy the judgment at the expense of the RFA unless the damages are covered by the RFA's insurance coverage.
9. **Punitive Damages.** In the event a judgment for punitive damages is entered against the individual, the Board may, in its discretion, appeal the judgment if an appeal procedure is available. When the monetary judgment for punitive damages becomes final the Board shall review the judgment with the RFA's attorney to determine if the judgment shall be satisfied at the expense of the RFA unless the damages are covered by the RFA's insurance coverage.
10. **Insurance.** As indicated above, the RFA's insurance carrier may satisfy the RFA's obligations under this policy in full since the officers, employees and volunteers are named insureds on the RFA's insurance policies. The provisions relating to assumption of defense coverage and payment of monetary judgments are intended to apply only in those instances where insurance coverage is not available.

**ADOPTED** by the Governing Board of Renton Regional Fire Authority, at an open public meeting of such Board on the 13th day of December 2021 the following Board Members being present and voting:

|                       |                       |
|-----------------------|-----------------------|
| _____<br>Board Member | _____<br>Board Member |
| _____<br>Board Member | _____<br>Board Member |
| _____<br>Board Member | _____<br>Board Member |



## Governing Board Agenda Item

SUBJECT/TITLE: Resolution 2021-10 Authorizing Sole Source/Special Market Condition Purchase

STAFF CONTACT: DC Seaver

### SUMMARY STATEMENT:

RCW 39.04.280 provides for the waiver of competitive bidding requirements under enumerated conditions including (1)(a) Purchases that are clearly and legitimately limited to a single source of supply and (1)(b) Purchases involving special facilities or market conditions. Resolution 2021-10 outlines these conditions.

### FISCAL IMPACT:

Expenditure \_\_\_\_\_ Revenue \_\_\_\_\_

Currently in the Budget Yes ☐ No ☐

### SUMMARY OF ACTION:

Formally authorize the RFA to implement the procedures stated in Resolution 2021-10.

Reviewed by Legal Yes ☒ No ☐

### EXHIBITS:

Resolution 2021-10 Authorizing Sole Source/Special Market Condition Purchase

### RFA GOVERNANCE BOARD RECOMMENDED ACTION:

I move to adopt Resolution 2021-10 to authorize a sole source and/or special market condition purchase and the procedures therein.

RENTON REGIONAL FIRE AUTHORITY

RESOLUTION NO. 2021-10

AUTHORIZING SOLE SOURCE/SPECIAL MARKET CONDITION PURCHASE

**WHEREAS**, RCW 39.04.280 provides for the waiver of competitive bidding requirements under enumerated conditions including (1) (a) Purchases that are clearly and legitimately limited to a single source of supply and (1) (b) Purchases involving special facilities or market conditions.

**WHEREAS**, Renton Regional Fire Authority “RFA” has a need for a brush truck “Equipment.”

**WHEREAS**, The Governing Board previously authorized the purchase of a brush truck on April 13<sup>th</sup>, 2021 but the vendor advised the RFA that the vendor could not deliver based on the lack of an available chassis.

**WHEREAS**, the RFA has conducted an exhaustive search to locate a suitable chassis but due to global supply chain issues, the RFA has located only one suitable brush truck chassis that is available on the open market and not subject to further supply chain delays;

**WHEREAS**, the vendor, Cascade Fire Equipment has placed a hold on the chassis for the RFA provided that the RFA immediately move forward with the purchase;

**WHEREAS**, RFA staff has determined that the chassis available from Cascade Fire is the only available chassis currently on the market that is not subject to further supply chain delays and that will allow the RFA to meet its Equipment needs in a timely manner to better serve the RFA taxpayers;

**WHEREAS**, the cost of the equipment is \$225,000, plus applicable taxes which requires the Board to formally waive competitive bidding requirements in order to proceed with the purchase of the Equipment;

**NOW THEREFORE, BE IT RESOLVED** that the Governing Board of the Renton Regional Fire Authority hereby declares a special market condition and waives the competitive bidding requirements for the reasons enumerated above and approves the sole source purchase of a Cascade Fire Overland Brush Truck Ford F-550 Super Duty Crew Cab in the amount of \$247,725.

**ADOPTED** by the Governing Board of the Renton Regional Fire Authority, at an open public meeting of such Board on the 13th day of December, 2021 the following Board Members being present and voting:

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Board Member

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Board Member

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Board Member

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Board Member

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Board Member

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Board Member



## Governing Board Agenda Item

SUBJECT/TITLE: Purchase of New Brush Rig

STAFF CONTACT: DC Seaver

### SUMMARY STATEMENT:

\$266,000 was previously allocated in the Capital Fleet fund to add a brush rig. We have two stations, 16 & 17, with significant wildland urban interface exposure. We'll keep a brush rig at each of these stations and train the crews at 16 to the same wildland level as 17. This also gives us the opportunity to deploy outside of our area, gaining experience for our personnel, while still maintaining coverage in our area.

### FISCAL IMPACT:

Expenditure \$272,775 Revenue \_\_\_\_\_

Currently in the Budget Yes ☒ No ☐

### SUMMARY OF ACTION:

The delivered cost with tax from Cascade Fire Equipment is \$247,775. Upfitting with wildland inventory and IT needs will not exceed \$25,000, totaling \$272,775. This keeps the total cost under the budgeted amount for 2022 of \$283,530. Delivery is expected the first week in May, once it returns from being displayed at FDIC. This purchase was initially approved in April of 2021, but was unable to be provided by the manufacturer due to chassis shortage.

Reviewed by Legal Yes ☒ No ☐

### EXHIBITS:

- 1) [Cascade Quote](#)
- 2) [Spec Sheet](#)
- 3) [Chassis Photo](#)
- 4) [2 Box Drawings](#)

### RFA GOVERNANCE BOARD RECOMMENDED ACTION:

I move that the Board approves the purchase of the new brush rig in 2022 and authorizes the Fire Chief to sign.



CASCADE FIRE  
EQUIPMENT COMPANY

P.O. BOX 4248 • MEDFORD, OREGON 97501  
(800) 654-7049 • (541) 779-0394 • Fax (541) 779-8847  
[sales@cascadefire.com](mailto:sales@cascadefire.com) • [www.cascadefire.com](http://www.cascadefire.com)

## QUOTE

ACCOUNT 0007647

SHIP TO RENTON REGIONAL FIRE

RENTON WA

| DATE     | QUOTE NO. | SALESPERSON | TAKEN BY | PAY TYPE |
|----------|-----------|-------------|----------|----------|
| 12/08/21 | 112623    | 2           | Jeff     | Net 30   |

| LINE | QTY | UNIT | PROD    | DESCRIPTION  | UNIT PRICE | EXT PRICE  |
|------|-----|------|---------|--|------------|------------|
| 1    | 1   | EA   | CFEDEM0 | CASCADE OVERLAND BRUSH TRUCK<br>•FORD F-550 SUPER DUTY CREW CAB CHASSIS<br>•400 GALLON PUMP PACKAGE<br>•DIESEL POWERED DARLEY 1.5 AGE PUMP<br>•TWIN HANNAY HOSE REELS<br>•EMERGENCY LIGHTING PACKAGE<br>•BUCKSTOP BUMPER<br>•SUPER SINGLE SUSPENSION PACKAGE | 225,000.00 | 225,000.00 |

| TOTAL FREIGHT | TOTAL TAX | TOTAL      |
|---------------|-----------|------------|
| 0.00          | 22,725.00 | 247,725.00 |



Specification for:

**CASCADE FIRE OVERLAND BRUSH TRUCK  
FORD F-550 SUPER DUTY CREW CAB**

Submitted To:

**RENTON REGIONAL FIRE AUTHORITY**

**Delivery: May 15th 2022**

## **Proposal**

We are pleased to submit the following specifications to you for a **Cascade Fire Overland Brush Truck**. The following specifications will describe in detail the apparatus being proposed.

Cascade Fire Equipment is a privately owned business specializing in the manufacturing and servicing of firefighting equipment. We have been in business since 1985 and operate out of a 43,000 square foot facility located in White City Oregon. Our company has adopted the TPS (Toyota Production System) to ensure quality manufacturing. Our experience and manufacturing capabilities make Cascade Fire second to none when it comes to Wildland apparatus manufacturing.

## **The Cascade Advantage**

Cascade Fire Equipment is the only company in the industry that manufactures over 90% of components used on its brush trucks. We currently manufacture our poly tanks, pumps, valves, plumbing, boxes, baskets, control panels and several other components on our brush trucks. Unlike competitor products, we design and manufacture each component specifically for our brush truck. Controlling the supply chain, engineering and manufacturing allows us to deliver the most functional and quality product that you can find.

## **Construction and Design**

Brush trucks are engineered entirely in house using a CAD program. All components are also engineered and manufactured in house using domestically sourced raw materials. Cascade Fire uses only fire hose threads on all manifolds and valves. All electrical wiring is run through conduit and properly labeled. All fasteners used are stainless steel. Brass threaded inserts are used to eliminate the need for any nuts.

## **Chassis Specifications**

1.0 - 2022 Ford F-550 Chassis 4x4 SD Crew Cab

### **Chassis Suspension System**

#### **1.0.1 – Super Single Kit**

- **Lift Kit - 4" Rear; Cab and Chassis-** 4" angle lift blocks(2), 24" u-bolts w/ nuts & washers(4), rear sway bar drop brackets w/hardware(2), and driveshaft alignment shims w/hardware(2).

- **Lift Kit - Front** - 2.5" front spring spacers w/plastic shims(2), front lift shims(2), control arm drop bracket(2), pan-hard bar drop bracket(1), front sway bar drop bracket w/hardware(2), bumper extension w/hardware(2), and headlight support brackets (L&R).
- **Fox Shocks** - Custom Design for F550 Series
- **Sway Bar** - Front HD sway bar Returns factory turning radius and %30 stiffer than the factory sway bar
- **Gears** - 6:17 ratio replaces factory 4:88 or 4:30
- **Speedometer Correction**

NOTE: THE END USER MUST BE AWARE THAT LIFTING THE CHASSIS AND ADDING LARGER TIRES WILL ALTER THE VEHICLE'S CENTER OF GRAVITY. THIS WILL AFFECT THE VEHICLES HANDLING CHARACTERISTICS. IN ADDITION, THE LARGER TIRES WILL AFFECT STOPPING DISTANCE. THE SYSTEM IS NOT RECOMMENDED FOR VEHICLES THAT OPERATE PRIMARILY IN AN ON ROAD ENVIRONMENT. THE SYSTEM IS HIGHLY RECOMMENDED FOR VEHICLES THAT OPERATE IN OFF ROAD OR ROUGH TERRAIN ENVIRONMENTS.

### **Super Single Fenders**

There shall be two (2) fiberglass blend fenders directly bolting to the chassis. The fenders shall provide full coverage for the super single tires and have a Line-x finish.

### **Front and Rear Wheels**

#### **1.0.1.1 – DOT Approved wheels**

There shall be four (4) wheels for the front and rear tires. Wheels shall be a three-piece forged aluminum 20 x 10 wheel with powder coated steel plate centers. Wheels shall be manufactured with the chassis specific reversible bolt pattern. Wheels shall be D.O.T. compliant.

### **Front and Rear Tires**

#### **1.0.1.2 – 335/80R20 Super Single**

There shall be four (4) super single front and rear tires. The tires shall be 335/80R20 MPT 81 40.6"H x 12.4"W with a load rating of 6779lbs at 96psi with a rated speed of 68 MPH.

### **Spare Wheel and Tire**

There shall be one (1) spare wheel and tire that will be the same make and model as the four chassis wheels and tires. The spare wheel and tire shall be mounted on top of the water tank utilizing a bracket.

### **Front Bumper and Grill Guard**

#### **2.0. – Buckstop Bumper Classic 2 with Grill Guard & extension**



A Classic 2 Buckstop Bumper shall be mounted to the front of the chassis. The bumper shall be made from carbon steel with a black hammered powder coat finish. The bumper shall be made from 0.25" carbon steel in the primary impact zone and winch center and 0.1875" carbon steel under the headlights.

The grill guard shall be made from tubular steel and shall be removable for serviceability. The grill guard shall be designed for the chassis and shall not interfere with any of the chassis headlights. There shall be a winch access door to protect the winch from weather and impact.

Two (2) PIAA fog lights shall be mounted recessed into the bumper. A hose tray shall be mounted into the bumper between the chassis grill and the winch opening. The hose tray shall measure 28" x 4.5" x 9.5" and shall sit flush with the top of the bumper.

## **Winch**

### **2.1 – Warn 12.5**

A Warn Winch model VR12000 shall be mounted in the center of the front bumper. The winch shall have a rated line pull of 12,000lbs. The winch shall include a controller.

## **Front Bumper Spray System**

### **2.2 – Spray Nozzles**

There shall be four (4) stainless steel spray nozzles mounted on the front bumper. Each nozzle shall have spray coverage of 120 degrees and have a flow rate of 15-30 GPM. The nozzles shall be controlled by (2) electric valves from inside the cab.

## **Front Bumper Mounted Discharge**

### **2.3 – Manual 1.5" discharge**

There shall be one (1) Cascade fire grade aluminum quarter turn valve mounted to the passenger side of the bumper. The valve shall be attached to a four bolt .375" stainless steel flange. The flange profile will precisely match the profile of the valve body to ensure proper fitment. The flange shall be TIG welded to a 90 degree stainless steel pipe that connects to the water supply from the tank.

## **Aluminum Flatbed Body**

### **3.0.2 – Cascade Fire Equipment Flatbed**

A flatbed shall be mounted to the chassis frame rails in a manner to allow for body/chassis flex during off road conditions. The bed shall be constructed from military grade aluminum and shall be 100% fully welded. The bed shall be 120" long x 96" wide.

The flatbed side rails shall be made from a 6" extruded aluminum, creating a recessed area for mounting emergency lights and filling ports. The extrusion shall provide two steps on the backside of the side rail to support the cross members. The body shall have all DOT required lights and markers installed. The fuel filler tube and cap shall be installed on the driver's side, rear of the body. A hose compartment shall be located at the rear of the flatbed and be covered with a drop down

door. The compartment shall contain 3 PVC tubes running the length of the bed. The side rails shall be finished with 4" reflective tape, enhancing the vehicle's visibility at night.

The rear tail apron of the flatbed shall be made from 4" aluminum square tubing with a .125" flat aluminum sheet. The tail apron shall include all DOT required lights and markers. It shall include a 7 prong trailer plug in.

The flatbed shall carry a lifetime warranty

### **Rear Receiver**

The rear of the chassis shall be equipped with one (1) square steel tube receiver assembly for trailer and winch applications. It shall be attached to the frame assembly.

### **Rear Steps**

The receiver will be equipped with two (2) Zico pull-out steps.

### **Rear Mud Flaps**

The chassis shall be supplied with Cascade mud flaps. The mud flaps shall be installed behind the rear wheels.

### **Cab Steps**

#### **3.1 – ROM Roughneck steps**

The cab shall be equipped with ROM roughneck steps with a black powder coated finish on each side of the chassis. The steps shall be NFPA compliant.

### **Side Vehicle Swing-Out Step**

#### **3.1.2 – Cascade Swing-Out Step**

Two (2) side vehicle swing-out steps shall be installed under the flat bed next to each of the underbody compartments. The frame of the step shall be one seamless continuous piece of stainless steel. A diamond plate step shall be installed onto the stainless steel frame. The step shall mount underneath the underbody compartment and shall hang no lower than 4" from bottom of the underbody compartment. The step shall deploy by swinging out towards the rear of the flat bed. The stainless frame which also serves as the handle shall lock into place utilizing a 2" receiver. The step shall support a minimum weight of 500lbs.

### **Water Tank Specification**

The water tank shall have a capacity of **400** gallons and foam cell of **10** gallons. The foam cell shall be integrated in the construction of the tank and consist of no external welds. To ensure proper design and avoid possible damage during transit, the water tank shall be manufactured at the same facility the tank will be installed.

### **Water Tank Construction**

The tank shall be constructed of .5" thick polypropylene sheet stock. This material shall be non-corrosive stress relieved thermo-plastic, natural black in color and U.V. stabilized for maximum protection. All parts of the tank shall be cut using a CNC (Computer Numerical Controlled) machine to ensure proper tolerances are met. Materials used shall be compatible with fire fighting foams, retardants and wetting agents, and meet FDA requirements for potable water. All joints and seams shall be extrusion double welded and tested for maximum strength and integrity. The transverse baffle partitions shall be manufactured of .5" stock of the same material and extend from the floor of the tank to the cover to allow for positive welding and maximum integrity. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments. The partitions shall be designed to provide maximum water flow. All baffle partitions shall interlock with one another and be welded to each other, as well as to the walls of the tank. . Tank fill connections shall be backed with flow deflectors to diffuse the stream entering the tank. The end wall of the tank shall have a vertical translucent panel sight gauge. There shall be blocks made from .75" polypropylene welded to the top of the tank for mounting the cover. The blocks shall be drilled and tapped for threaded inserts.

The tank capacity shall be certified and recorded on a data plate. The plate shall be made from .125" aluminum with a powder coated finish. The plate shall be mounted to the face of the tank and will have the tank capacity, foam capacity, pump, serial number and job number. All information shall be laser etched to ensure readability and longevity.

The water tank shall be constructed to conform to applicable NFPA standards and carry a lifetime warranty against faulty workmanship.

### **Water Tank Fill Towers**

The tank shall have a combination vent and manual fill tower. The fill tower shall be constructed of ½" polypropylene and shall be a minimum dimension of 8" x 8" outer perimeter. The tower shall have a ¼" thick, removable polypropylene screen and a polypropylene stainless steel hinged cover. A combination vent and overflow pipe inside the fill tower, approximately 1½" down from the top, shall be fastened to a combination vent outflow pipe. The vent overflow shall be a schedule 80 polypropylene pipe. The tower shall be labeled with a stainless steel tag identifying the WATER tower and FOAM tower.

### **Fill Tower Location**

The water fill tower shall be located on the driver side and the foam fill tower shall be located on the passenger side.

### **Water Tank Sump System**

Tank shall have an internal sump/baffle system of same material and construction. The sump shall have a minimum 1½" threaded outlet on the bottom for a drain plug. This shall be used as a combination clean out and drain. The internal piping shall be scheduled 80 polypropylene pipe and all joints will be connected with G.F. electrofusion. The piping will terminate ½" from the bottom of the sump. The tank shall be equipped with an anti-cavitation device.

### **Water Tank Diamond Plate Cover**

The entire water tank top shall be covered with a .1875" aluminum diamond plate with broken edges a minimum 1", welded and finished. The cover shall attach to the top of the tank using stainless steel fasteners to the blocks on the tank. The cover shall have a **black powder coat** finish.

### **Aluminum Storage Basket**

#### **4.0 – Water Tank Storage Basket**

One (1) storage basket shall be installed on top of the water tank. The basket shall be constructed from .125" aluminum and run mostly along the outside perimeter of the tank and inside the perimeter of the fill towers. The height of the basket shall be approximately the same finished height as the tank fill towers. The basket shall have **black powder coat** finish.

#### **4.0.1 – Side Box Storage Basket**

Two (2) storage baskets shall be installed on top of the side boxes. The baskets shall be constructed from .125" aluminum and run the length of the box it is mounted on. There shall be a LED strip light installed on each basket. The basket will include a pocket which will allow the LED light to be slight recessed in the basket. The height of the baskets shall be approximately 8". The baskets shall have a **black powder coat** finish.

### **Fire Pump**

#### **5.0.2 – Darley 1.5 AGE**

A Darley model 1-1/2AGE 24K diesel powered, centrifugal pump shall be provided. The high pressure pump, gear driven, engine mounted shall meet the following performance requirements.:

3.17 Ratio, High Pressure Impeller

25 gpm (95 L/M) @ 375 psi (25.9 bar)

75 gpm (284 L/M) @ 245 psi (16.9 bar)

120 gpm (454 L/M) @ 150 psi (10.3 bar)

**Pump Design:**

Hard anodized aluminum alloy pump casing and discharge

Aluminum alloy gear case and engine adapter

Bronze impeller and wear rings

Stainless steel impeller shaft

Mechanical seal

Heat treated alloy steel helical gears

Ball bearing construction

Tachometer

Overridable engine shutdowns

2" NPT suction

2-1 1/2" NPT or 1-2 1/2" NPT discharges

Skid base

Engine:

Kubota D902 Diesel: 24 HP, liquid cooled, 12 volt starter, 40 amps. Alternator, fuel and oil pump filters

**Fuel System for Pump**

**5.0.4 – Chassis Fuel Tank**

The fuel system for the fire pump shall be plumbed from the chassis fuel system. There shall be a separate fuel pickup tube mounted in the chassis fuel tank specifically for a separate engine driven pump. There shall be an electric fuel pump with spin on fuel filter and flexible fuel hose furnished between the chassis fuel tank and the pump.

**Pump Engine Oil Drain**

The fire pump engine shall have an oil drain line installed. It shall allow for easy oil draining.

## **Stainless Steel Plumbing System**

The plumbing shall be constructed of stainless steel pipe and will be full flow and seamless. There shall be no visible welds on the plumbing and all manifolds will be one continuous piece. Only fire hose threads shall be utilized on all manifolds and hoses. High pressure hose with a minimum 500 psi rating shall be utilized to provide vibration control to the pump unit. When flex line is used, it shall connect to stainless plumbing utilizing expansion ring couplings for suction lines and bar-way couplings for discharge lines. All couplings shall utilize fire hose threads. All manifolds shall be supported with stainless steel foot brackets. The brackets shall attach to the pump platform using stainless steel fasteners. No part of the plumbing system, valve, cap or plug shall protrude past the end of the pump package.

All stainless steel manifolds shall carry a lifetime warranty

## **Valves**

All valves that are 1" or larger shall be full flow, quarter turn, swing out style fire service design, and manufactured in the United States. The valves will be designed with seats on both sides of the ball to make them dual directional to ease with repair and/or replacement. The valve body shall be made from extruded aluminum bar stock, machined and finished with a Class 3 Type 2 hard coat anodize to prevent corrosion. Unless a remote is used, the valve handle shall be made from stainless steel with an injection molded ball and the end of the handle. The valve shall be attached to a four bolt .375" stainless steel flange that is welded to the stainless steel pipe manifold. Valves shall be labeled per function. An aluminum label with a powder coated finish shall be attached to the top of the valve. To ensure readability and longevity, the label shall be marked using a fiber laser.

## **Tank to Pump & Draft Line**

There shall be one (1) 2" seamless stainless steel manifold serving as the tank to pump line and also the draft line. The line shall consist of one (1) 2" stainless steel manifold, one (1) high pressure flex hose, one (1) 2" valve and one (1) 2" NPSH chrome cap. The manifold will connect to the suction side of the pump directly. The end of the manifold shall be finished with 2" NPSH threads and have a 2" NPSH chrome cap attached with a chain. The valve shall be controlled by a manual remote control rod. The handle on the remote shall be laser etched to read "SUCTION".

## **Hydrant Fill Line**

### **6.0.1 – 2.5" Hydrant Fill**

One (1) 2.5" hydrant fill line shall be provided. The line shall consist of one (1) seamless stainless steel manifold, one (1) high pressure flex hose, one (1) 2" valve with a 2.5" NST female swivel and one (1) 2.5" NST chrome plug with chain. The line will come directly from the tank, to the end of the platform. The valve label shall be laser etched to read "HYDRANT FILL"

### **Tank Fill Line**

One (1) 1" tank fill line shall be provided. The line shall consist of one (1) seamless stainless steel manifold, one (1) high pressure flex hose, and one (1) 1" valve. The line shall run up from the main discharge manifold parallel to the water tank and connect to the tank utilizing a 90 degree stainless steel manifold. The manifold will have a 1/8" port for the bypass line. The valve will be equipped with a remote rod control to an aluminum tee handle with powder coat finish that is located at the rear of the platform. The handle shall be laser etched to read "TANK FILL".

### **Rear Discharge Line**

One (1) 1.5" discharge line shall be provided at the end of the platform on the passenger side. The line shall consist of one (1) seamless stainless steel manifold, one (1) 1.5" valve with a male 1.5" NST flange and one (1) 1.5" chrome cap with chain. The manifold will be one continuous piece connected from the main discharge manifold. It will have a 1/8" port for the bypass line. The valve label shall be laser etched to read "DISCHARGE".

### **Hose Reel Discharge Line**

One (1) 1" hose reel discharge line shall be provided to supply water to the hose reels. The line shall consist of one (1) seamless stainless steel manifold, one (1) high pressure flex hose line, and one (1) 1" valve. The line will connect from the main discharge line, reducing from 1.5" to 1", and lead to the hose reel. The valve label shall be laser etched "REEL".

### **Front Bumper Discharge Line**

#### **6.0.3 – Rear Platform Front Bumper Discharge Line**

One (1) 1.5" front bumper discharge line shall be provided to supply water to the front bumper. The line shall consist of at least one (1) stainless steel manifold, one (1) high pressure flex hose line and



one (1) 1.5" valve. The line shall connect from the main discharge manifold to the valve and turn 90 degrees down below the flatbed. It will connect to the flex line and run towards the front bumper on the passenger side. The valve label shall be laser etched to read "DISCHARGE".

### **Bypass Line**

One (1) .25" bypass line shall be provided to cool the pump while idling. The line shall consist of one (1) .25" quarter turn valve and (1) 3/8" poly tube hose. The valve will connect to the port on the rear discharge line and the poly tube hose will connect the port on the tank fill line. The poly tube hose shall be covered in loom and run cleanly along the plumbing manifolds.

### **Hose Reel**

Two (2) Hannay hose reel model **EF4024-17-18** shall be installed. Each reel shall have a removable riser, swivel ball joint, 1/3HP electric motor, adjustable brake, high mount bracket with roller & spool assembly, and a manual crank rewind. Each reel shall be mounted **on the rear pump platform**.

### **Hose Reel Hose**

#### **7.0 – 300 PSI Booster Hose**

Two (2) 100' lengths of booster hose shall be installed on the hose reel. The hose shall be equipped with one (1) 1" Cascade bail handle shut off and one (1) 1" Cascade Ranger Nozzle. The threads shall be **NPSH**.

### **Pump Control Panel**

A control panel shall be provided and mounted to the pump platform. The panel body shall be constructed of stainless steel and the removable faceplate shall be made from .125" aluminum. The face plate shall be powder coated and each function labeled using a fiber laser to ensure readability and longevity. Wiring is to be protected in conduit and run to a circuit breaker. A Schrader fitting shall be attached to the side of the panel body for winterization. A wiring diagram of the pump panel shall be provided on the inside of the back cover. The pump control panel shall be manufactured in the United States. The standard panel shall include the following:

- Throttle
- Choke
- Electric Primer

- Stop – On – Start
- Low pressure shutoff
- Indicator lights for power and oil pressure
- Combo gauge, 30" vacuum, 0-400 psi, silicone filled, 3.5" freeze protected with a polished stainless steel ring
- Winterizing port

***Additional panel options to include as needed***

- Electric Throttle
- Dual Water/Foam Gauge
- Foam System Controls

**Auxiliary Pump Panel**

**8.0 – In-Cab Control Panel**

An auxiliary pump panel shall be provided and installed in the emergency console. The panel shall be constructed of .125" aluminum and have a black powder coat finish. The panel shall include the following:

- Digital water pressure gauge
- On – Start – Off push buttons
- Electric throttle toggle
- Water gauge
- Foam gauge
- Glow plug indicator
- Oil pressure indicator
- Coolant temperature

All functions on the panel shall be laser etched to ensure readability and durability.

**Foam System**

## **8.1 – Cascade Foam-Flo**

A Foam-Flo (class A) foam-metering device shall be installed inside the control panel housing and be plumbed into the hose line. This device shall utilize a small amount of water from the discharge side of the pump, pick up foam concentrate from the foam supply, and feed the foam solution into the suction side of the pump. For ease of operation, a single selector valve controls flow (with OFF setting) and the percentage of foam metered into the pump, from .01% to 1%. Foam solution shall be available to all outlets. Operation shall require selection of only one control, for ease of training and function. The foam system shall be manufactured in the United States.

## **Pump Package Platform and Subframe**

The entire pump package consisting of the water tank, pump, plumbing system and panel shall be attached to a 2" tubular aluminum frame. The frame is constructed so that the tank is fully supported with the areas between the interior frame not exceeding 540 square inches. The frame shall include mounting flanges to the flatbed. A .750" sheet of polypropylene plastic shall be placed on top of the frame. The sheet shall have brass inserts for all mounting brackets and components for the pump package. All components shall be fastened using stainless steel bolts. The pump platform shall be covered with a single, seamless .1875" aluminum diamond plate with a minimum 2" broken edge, welded and finished. The cover sheet shall have a powder coat finish. All components shall be mounted on the pump platform.

## **Platform Step**

### **8.2 – Platform Step**

One (1) aluminum step shall be mounted over the plumbing on the driver's side of the platform. The step feet shall be constructed from .125" aluminum sheet and the top constructed from .1875" aluminum diamond plate. The top shall have a cutout handle to assist in climbing the apparatus. The step shall have a powder coat finish.

## **Compartment Construction**

The compartments shall be constructed from .125" aluminum with a smooth finish. The exterior compartments will be painted the same color and finish as the chassis. The inside of the compartments will be painted black with a durable hammered finish. Side and underbody compartments will utilize an aluminum extrusion on all door frames. The extrusion will provide two surfaces where weather stripping can be placed to provide a double seal around the perimeter of the door. Transverse and drawer compartments will utilize an aluminum extrusion on all door

frames that provides one surface where weather stripping can be placed. The doors of the compartment shall be **SLAM LATCH** style utilizing a quarter turn T-handle. Side, transverse and underbody boxes will be equipped with LED lighting that will turn on when the door is opened and off when it is closed. Each compartment shall be vented and lined with turtle tile decking. All doors shall be keyed identically and two (2) keys shall be provided for each door.

### **Transverse Compartment**

#### **9.0 – Angled Four Door Transverse Compartment – A3**

One (1) transverse compartment shall be installed in front of the water tank. The approximate dimensions of the compartment will be 96" long, 35" tall, and 20" deep. The compartment shall be equipped with two (2) swing out doors on each side and will be assisted in opening with a gas shock. A divider shall run the length of the compartment, creating an upper and lower level.

### **Driver Side Compartment**

#### **9.1.1 – Angled Two Door Compartment – A1**

One (1) two compartment box shall be installed on the driver's side of the bed. The approximate dimensions of the compartment will be 68" long, 35" tall and 22" deep. There will be one (1) lift door and one (1) drop down door, creating two separate compartments. The lift door will be equipped with two (2) gas shocks and one (1) Kevlar webbing pull strap. The drop down door will be equipped with two (2) steel braided cables. The lower compartment will be equipped with one (1) shelf. The shelf will pull out with the assistance of gas shocks and recess back into the compartment. The shelf will have a **black powder coat** finish.

### **Passenger Side Compartment**

#### **10.1 - Angled Two Door Compartment – A1**

One (1) two compartment box shall be installed on the passenger's side of the bed. The approximate dimensions of the compartment will be 68" long, 35" tall and 22" deep. There will be one (1) lift door and one (1) drop down door, creating two separate compartments. The lift door will be equipped with two (2) gas shocks and one (1) Kevlar webbing pull strap. The drop down door will be equipped with two (2) steel braided cables. The lower compartment will be equipped with one (1) shelf. The shelf will pull out with the assistance of gas shocks and recess back into the compartment. The shelf will have a **black powder coat** finish.

## **Platform Drawer Compartment**

### **9.2.6 – Deck Mounted Single Drawer Compartment**

Two (2), single drawer compartment shall be installed on the platform. The compartments shall be located under the hose reel on each side of the pump platform. The approximate dimensions of the compartment will be 24" long, 17" wide, and 8" tall. The drawer shall pull out the full length of the box.

## **Top Open Box**

### **9.3.2 – Top Open Box**

One (1) top opening box shall be installed. The box shall be located on top of **the transverse box**. There shall be one lift door assisted by two (2) gas shocks. There shall be a single piece of hat channel stiffener welded to the inside of the lid.

## **Underbody Compartment**

### **9.3.3 – Standard Underbody Compartment**

Two (2) underbody compartments shall be installed under the flatbed, towards the front on both sides. The approximate dimensions of the compartment will be 36" long, 18" deep, and 16" tall. There will be one (1) drop down door equipped with two (2) steel braided cables on each box.

## **ICECO 12V COOLER**

There shall be a 45 liter IceCo cooler mounted in one of the underbody boxes on a slide out tray. The box shall open by pulling out the tray to access to the cooler. The cooler shall be wired to the main electrical box.

## **12 Volt Electrical Specifications**

The apparatus shall conform to latest DOT standards, applicable NFPA requirements and current automotive electrical standards. Wiring shall be rated to carry 125 percent of the maximum current for which the circuit is protected. There shall be no exposed wiring, loose wiring or terminal connections unless enclosed in the electrical box. All wiring outside of the electrical box shall be

loomed. Wiring shall be secured to plumbing, baskets, compartment flanges, etc. in a way that protects the wiring from snagging and also delivers a clean appearance. All connections in the electrical box shall be clearly marked as to their function.

### **Electrical Terminal Box**

An electrical terminal box shall be provided. To prevent weather damage, the box shall be located inside the cab of the chassis underneath the back seat. The box shall utilize factory mounting points and will not interfere with the operation of the seat or the legroom of the passengers. The box shall be vented and constructed from polypropylene material to prevent ground outs. The lid shall open and close on a hinge and be made from aluminum and finished with a black hammered powder coat. The electrical box shall contain the components to control the emergency lighting package, kussmaul auto charger, and if space allows, customer provided radios.

### **Master Disconnect**

A battery disconnect system shall be installed to control the 12 volt power supply from the battery to the manufacturer installed equipment. The solenoid shall be controlled by the standard key starter switch. The switch shall be located on the driver side of the electrical terminal box.

### **Battery Charger and 120 Volt Shore Power Receptacle**

A Kussmaul Autocharge 1000, Model 091-207-12, high output automatic battery charger shall be provided. The battery charger shall be wired to the 12 volt battery system. The unit shall be mounted inside the electrical terminal box and be wired to the specified shore power receptacle.

The system shall also include model 63-11-3104 20 amp auto-eject shore power receptacle with hinged weatherproof cover and enclosure for protection against dirt and damage. It shall include a digital status display center. The shore power plug shall be ejected when the chassis engine starter is engaged and the receptacle shall be wired to any 120 volt AV equipment requiring shore power. The receptacle shall be red in color and be located on the rear tail apron, driver side.

Components wired hot: **Determined at pre-construct conference**

### **DOT Identification Lights**

All LED identification lights shall be installed on the vehicle as required by applicable highway regulations



### **License Plate Mounting**

A LED license plate light shall be installed on the rear of the tail apron to illuminate the license plate.

### **Emergency Lighting System**

#### **9.3.7 – SoundOff Signal Lighting System**

##### **Chassis Emergency Light bar**

One (1) SoundOff Signal Nfuse XL Lightbar shall be installed on the chassis. The light bar shall be 53” in length and attach to the chassis with a hook mount style bracket. The lightbar shall have hard-coated lenses and be capable of utilizing the BluePrint platform. The lights shall be RED/WHITE.

##### **Front Emergency Lights**

Four (4) SoundOff Signal mPower lights shall be installed on the chassis grill. The lights will be installed in a way to provide maximum lighting and not be obstructed by the grill guard. The lights shall be dual color enabled RED/WHITE. The lights shall be programmed with different lighting patterns and also are able to be utilized as scene lights.

##### **Driver Side Emergency Lights**

Four (4) SoundOff Signal mPower lights shall be installed. One (1) shall be installed on the fender at approximately the same height as the side mirror. Three (3) shall be installed on the frame rail of the flat bed, evenly spaced between the front and rear of the bed. The lights shall be dual color enabled RED/WHITE. The lights shall be programmed with different lighting patterns and also are able to be utilized as scene lights.

##### **Rear Emergency Lights**

Two (2) SoundOff Signal mPower lights shall be installed on the frame rail of the flatbed, one on the driver side and one on the passenger side. The lights shall be dual color enabled RED/WHITE. The lights shall be programmed with different lighting patterns and also are able to be utilized as scene lights. One (1) SoundOff Signal 24” traffic advisor shall be installed in the equipment basket between the tank fill towers. The light shall be recessed inside the basket to protect the light from damage. It shall be powered with amber lights and have directional capabilities.

### **Passenger Side Emergency Lights**

Four (4) SoundOff Signal mPower lights shall be installed. One (1) shall be installed on the fender at approximately the same height as the side mirror. Three (3) shall be installed on the frame rail of the flat bed, evenly spaced between the front and rear of the bed. The lights shall be dual color enabled RED/WHITE. The lights shall be programmed with different lighting patterns and also are able to be utilized as scene lights.

### **Platform Work Lights**

Two (2) SoundOff Signal commander lights shall be installed in the equipment basket to provide area lighting for the pump platform. The lights shall be recessed in the basket to protect them from damage.

### **Electronic Siren and Light controller**

One (1) SoundOff Signal BluePrint Light/Siren controller with OBDII connection shall be installed in the emergency console. The controller will have a four position rocker switch (Off-1-2-3) to control the light pattern, a turn dial to control the siren (Wail, Yelp, Hands Free, Dual Tone), a handheld P/A, and 9 buttons for individual light controls. The 9 buttons will function as follows:

1. Air Horn
2. Left Alley
3. Take Down
4. Right Alley
5. 360 Scene lighting
6. Cruise
7. Rear Cut
8. Traffic controller
9. Fog lights

### **Vehicle to Vehicle Sync**

A Vehicle to Vehicle sync module shall be provided with the SoundOff Signal BluePrint controller. The module will allow the apparatus to sync lightbar functions with other equally equipped and programmed vehicles.

### **Siren Speaker**

Two (2) SoundOff Signal 100 watt speakers shall be provided and installed behind the front bumper, one on each side. The speaker shall have a cover to protect it from road debris and damage.

### **Back-up Alarm**

One (1) back up alarm shall be installed

### **Back-up Camera System**

One (1) Rear view camera shall be installed on the rear of the tail apron, above the suction hose compartment. The camera shall project an image on the chassis provided screen when the vehicle is placed in reverse.

### **Emergency Console**

A Troy Console shall be installed in the cab of the chassis. The console shall be a wide body style and 30" long with a 22" flat surface and an 8" sloped surface. The console shall be of all welded construction made from 11 gauge steel with a black powder coat wrinkle finish. The console shall attach to a steel floor plate that utilizes factory mounting holes. The console shall be manufactured in the United States. The console shall include the following:

- Emergency Lights/Siren Controller
- Customer provided Radio
- Spray nozzle control plate – Left and Right control
- Charging plate - Two (2) 12V plug-in chargers & two (2) USB chargers
- Auxiliary pump panel
- Beverage holder plate – two (2)
- Sunglasses holder/change holder
- Customer provided portable radio chargers
- Open storage pocket – passenger side

### **Custom Graphics**

The apparatus shall be provided with custom graphics. The purchaser shall approve of the design of the graphics prior to installation.

### **Rear Chevron Striping**

There shall be alternating chevron striping installed on the rear tail apron and rear frame rail of the flat bed. The chevron striping shall consist of 6" diamond grade in red and yellow.

### **Final Assembly and Finishing**

The apparatus shall be assembled and finished in a high quality, temperature controlled environment. The fit, form and finish of the entire build shall be to the highest level of fire apparatus manufacturing standards.

### **Fire Pump Operations Test**

The fire pump shall have an operational pump test performed by a Cascade Fire pump technician with a run time of one (1) hour to confirm proper operation of all pump related components.

### **Electrical Load Analysis**

A 12 volt electrical load analysis shall be performed in order to test response and stationary modes of electrical amp load.

### **Road Test**

A road test will be conducted with the apparatus fully loaded and a continuous run of no less than fifteen (15) miles. During that time, the apparatus will show no loss of power nor will it overheat. The transmission drive shaft or shafts and the axles will run quietly and be free of abnormal vibration or noise.

### **Apparatus Warranty Cascade Fire Manufactured Items**

All Cascade Fire manufactured items and workmanship shall have a warranty of five (5) years and the water tank, stainless steel plumbing, storage compartments and flatbed shall have a lifetime warranty. All other components are subject to manufacturer warranty. For warranty issues please contact Cascade Fire Equipment or an authorized Cascade Brush Truck dealer.

### **Pre-Construction Meeting**

A pre-construction meeting shall be conducted at the manufacturer's facility. The transportation to this meeting shall be the responsibility of the purchaser.

### **Drawings**

There shall be design drawings submitted to the purchaser prior to the beginning of construction. The CAD drawings shall include all sides and details of the apparatus. The purchaser shall agree to the drawings reflecting the correct design and layout prior to construction.

### **Terms of Payment**

Terms of payment for the apparatus shall be cash or equivalent on delivery and acceptance of the unit.

### **Demonstration and Familiarization of Vehicle**

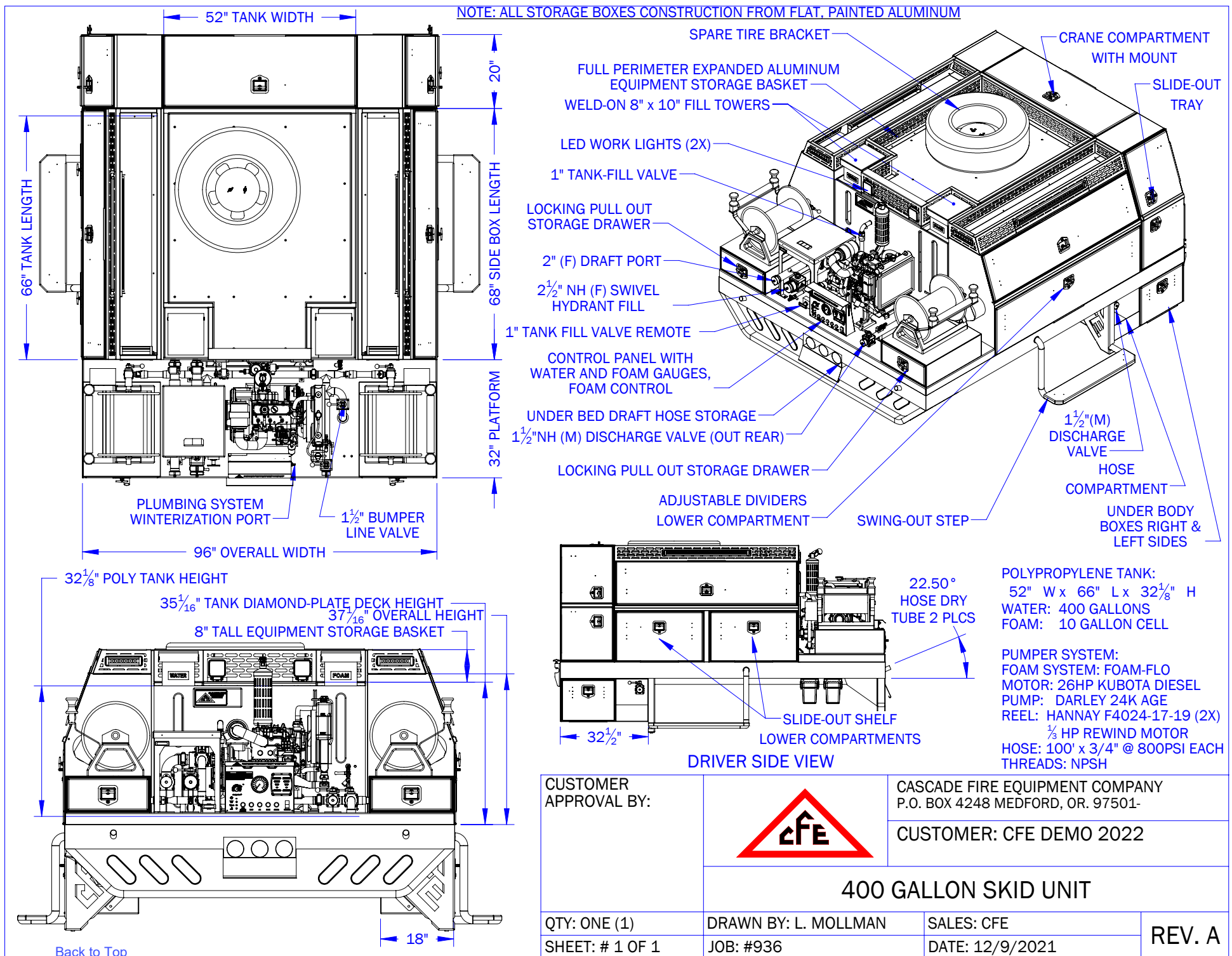
The bidder shall demonstrate and familiarize the purchaser regarding the vehicle's operation. This shall include operation of the chassis, major components, review of delivery information and documentation. The demonstration shall be completed at Cascade Fire Equipment headquarters located in White City, Oregon.

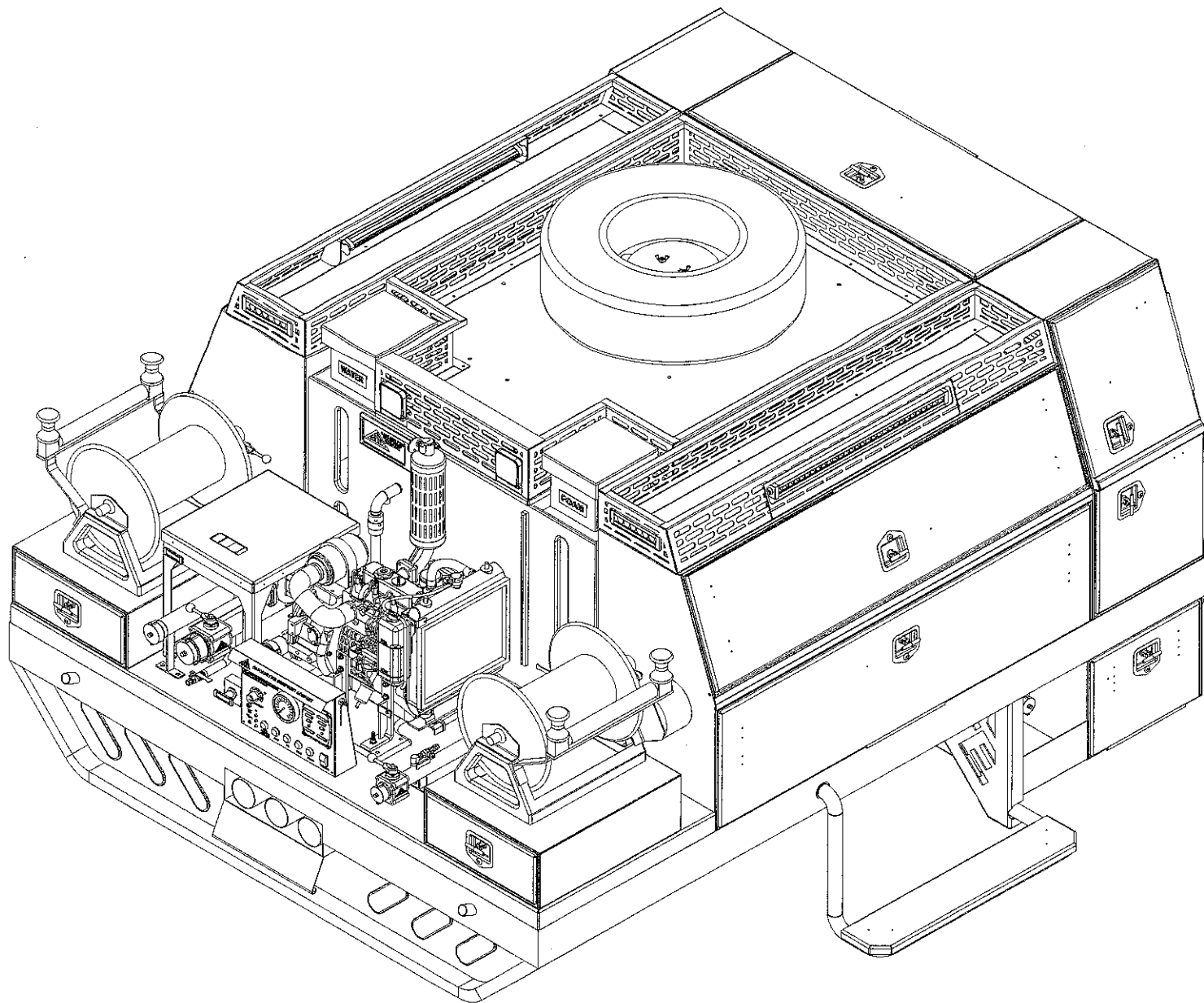
### **Delivery Requirements**

The apparatus shall be picked up at the manufacturer's facility by the purchaser.











## Governing Board Agenda Item

SUBJECT/TITLE: PSERN Radio Upgrades

STAFF CONTACT: DC Seaver

### SUMMARY STATEMENT:

With the upcoming PSERN radio project upgrades in 2022, we are in a window where we are able to add equipment to our inventory at a 38% discount. The majority of our needs are being met with the "1 for 1 Swap" from our current inventory, but we need to add radios, lapel mics, and charging stations.

### FISCAL IMPACT:

Expenditure \$159,017.61 Revenue \_\_\_\_\_

Currently in the Budget Yes ☒ No ☐

### SUMMARY OF ACTION:

We would like to purchase an additional 36 radios to bring our total with the PSERN swap to 170. We will also need 40 lapel mics and 12 individual radio chargers. This is under the budgeted amount of \$250,000.

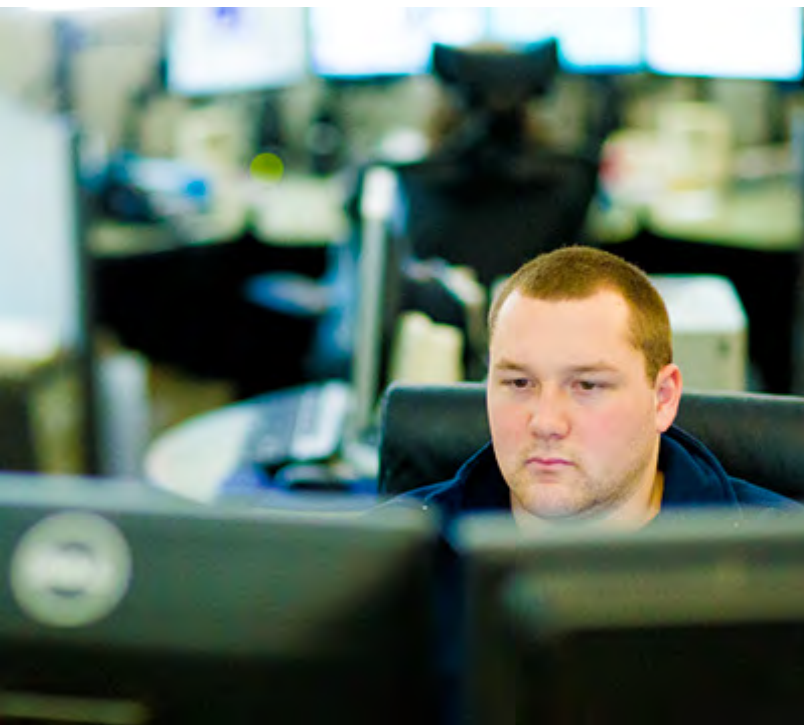
Reviewed by Legal Yes ☒ No ☐

### EXHIBITS:

Motorola Solutions Quote

### RFA GOVERNANCE BOARD RECOMMENDED ACTION:

I move that the Board approves the purchase of the additional radio equipment and authorizes the Fire Chief to sign.



## Renton Regional Fire Authority

11/18/2021



11/18/2021

Renton Regional Fire Authority  
18002 108th Ave SE, Renton,  
WA 98055-6445

Dear ,

Motorola Solutions is pleased to present Renton Regional Fire Authority with this quote for quality communications equipment and services. The development of this quote provided us the opportunity to evaluate your requirements and propose a solution to best fulfill your communications needs.

This information is provided to assist you in your evaluation process. Our goal is to provide Renton Regional Fire Authority with the best products and services available in the communications industry. Please direct any questions to George Nissan at [George.Nissan@motorolasolutions.com](mailto:George.Nissan@motorolasolutions.com).

We thank you for the opportunity to provide you with premier communications and look forward to your review and feedback regarding this quote.

Sincerely,

George Nissan

Billing Address:  
 Renton Regional Fire Authority  
 18002 108th Ave SE, Renton,  
 WA 98055-6445

Quote Date: 11/18/2021  
 Expiration Date: 12/31/2021  
 Quote Created By:  
 George Nissan  
 George.Nissan@  
 motorolasolutions.com

End Customer:  
 Renton Regional Fire Authority  
 Contract: 32333 - PSERN

## Summary:

Any sales transaction resulting from Motorola's quote is based on and subject to the applicable Motorola Standard Terms and Conditions, notwithstanding terms and conditions on purchase orders or other Customer ordering documents. Motorola Standard Terms and Conditions are found at [www.motorolasolutions.com/product-terms](http://www.motorolasolutions.com/product-terms).

| Line # | Item Number      | Description                                | Qty | List Price | Sale Price | Ext. Sale Price |
|--------|------------------|--|-----|------------|------------|-----------------|
|        | APX™ 6000 Series | APX6000 XE                                 |     |            |            |                 |
| 1      | H98UCF9PW6BN     | APX6000 700/800 MODEL 2.5 PORTABLE         | 36  | \$3,268.00 | \$2,026.16 | \$72,941.76     |
| 1a     | H869BZ           | ENH: MULTIKEY                              | 36  | \$330.00   | \$204.60   | \$7,365.60      |
| 1b     | QA01648AA        | ADD: HW KEY SUPPLEMENTAL DATA              | 36  | \$5.00     | \$3.10     | \$111.60        |
| 1c     | G996AU           | ADD: PROGRAMMING OVER P25 (OTAP)           | 36  | \$100.00   | \$62.00    | \$2,232.00      |
| 1d     | H112KD           | DEL: DELETE STANDARD ANTENNA               | 36  | -\$10.00   | -\$6.20    | -\$223.20       |
| 1e     | QA01767AT        | ADD: P25 LINK LAYER AUTHENTICATION         | 36  | \$100.00   | \$62.00    | \$2,232.00      |
| 1f     | Q361AR           | ADD: P25 9600 BAUD TRUNKING                | 36  | \$300.00   | \$186.00   | \$6,696.00      |
| 1g     | QA02006AA        | ENH: APX6000XE RUGGED RADIO                | 36  | \$800.00   | \$496.00   | \$17,856.00     |
| 1h     | Q15AK            | ADD: AES/DES-XL/DES-OFB ENCRYPTION AND ADP | 36  | \$799.00   | \$495.38   | \$17,833.68     |
| 1i     | QA00580AC        | ADD: TDMA OPERATION                        | 36  | \$450.00   | \$0.00     | \$0.00          |



Any sales transaction following Motorola's quote is based on and subject to the terms and conditions of the valid and executed written contract between Customer and Motorola (the "Underlying Agreement") that authorizes Customer to purchase equipment and/or services or license software (collectively "Products"). If no Underlying Agreement exists between Motorola and Customer, then Motorola's Standard Terms of Use and Motorola's Standard Terms and Conditions of Sales and Supply shall govern the purchase of the Products.

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[Back to Top](#)



| Line # | Item Number | Description  | Qty | List Price | Sale Price | Ext. Sale Price |
|--------|-------------|--|-----|------------|------------|-----------------|
| 1j     | QA05100AA   | ENH: STD 1 YR WARRANTY<br>APPLIES NO SFS                           | 36  | \$0.00     | \$0.00     | \$0.00          |
| 1k     | H38BT       | ADD: SMARTZONE<br>OPERATION  | 36  | \$1,200.00 | \$0.00     | \$0.00          |
| 1l     | QA01427AB   | ALT: IMPACT GREEN<br>HOUSING                                       | 36  | \$25.00    | \$15.50    | \$558.00        |
| 1m     | Q806BM      | ADD: ASTRO DIGITAL CAI<br>OPERATION                                | 36  | \$515.00   | \$319.30   | \$11,494.80     |
| 2      | PMMN4084A   | AUDIO ACCESSORY-<br>HEADSET,PLUS RSM NC IP54<br>THRD 3.5MM JACK RX | 40  | \$95.00    | \$69.35    | \$2,774.00      |
| 3      | NAF5085A    | ASSY:ANTENNA,7/800 GPS*  | 36  | \$45.00    | \$32.85    | \$1,182.60      |
| 4      | NNTN8860A   | CHARGER, SINGLE-UNIT,<br>IMPRES 2, 3A, 115VAC,<br>US/NA            | 12  | \$157.00   | \$114.61   | \$1,375.32      |

Grand Total

**\$144,430.16(USD)**

### Notes:

- Unless otherwise noted, this quote excludes sales tax or other applicable taxes (such as Goods and Services Tax, sales tax, Value Added Tax and other taxes of a similar nature). Any tax the customer is subject to will be added to invoices.



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[Back to Top](#)



## Governing Board Agenda Item

SUBJECT/TITLE: Appointment of 2022 Chair and Vice Chair of the RRFA Governance Board

STAFF CONTACT: Chief Heitman

### SUMMARY STATEMENT:

Section 5.1 of the RRFA Governance Board bylaws requires that the Board designate by majority vote one Board Member to serve as Chair and one Board Member to serve as Vice Chair for the ensuing year.

### FISCAL IMPACT:

Expenditure N/A Revenue \_\_\_\_\_

Currently in the Budget Yes ☐ No ☐

### SUMMARY OF ACTION:

The RRFA Governance Board bylaws establish the position of Board Chair and Vice Chair. The bylaws provide that the Chair shall preserve order at all meetings, observe and enforce all rules adopted by the board, and other duties therein. The Vice Chair shall serve in the absence or temporary disability of the Chair.

Reviewed by Legal Yes ☐ No ☐

### EXHIBITS:

### RRFA GOVERNANCE BOARD RECOMMENDED ACTION:

I move to appoint \_\_\_\_\_ as RFA Board Chair and \_\_\_\_\_ as Vice Chair effective January 1, 2022 for the 2022 calendar year.