



# East County Fire and Rescue

600 NE 267th Avenue Camas, WA 98607

(360) 834-4908 (phone)

(360) 835-8920 (fax)

www.ecfr.us →



## Regular Board of Fire Commissioners Meeting

July 05, 2023

Station 91

6:30 PM

Agenda



This meeting will be held in hybrid format, in-person and using Zoom video conferencing. The link and telephone dial-in number are provided below:

Video Conferencing Link: <https://us02web.zoom.us/j/89316262924>

Dial-In Telephone Number: (253) 215-8782

Meeting ID 893 1626 2924 and Passcode 237174

*This meeting is being recorded, please silence or turn off your personal cell phones, pagers, etc.*

### Call to Order

### Flag Salute

### Agenda Adjustments

### Consent Agenda

- Approval of June 20, 2023 Regular Board Meeting Minutes.
- Approval of June 20, 2023 Local BVFF&RO Meeting Minutes.
- Approval of Financial Transactions.
- Excuse absent Commissioner(s).

### Public Input

### Correspondence

### **Staff Reports**

1. Chief Hartin
2. Assistant Chief Jacobs
3. Volunteer Firefighters Association
4. Safety Committee

### **Fire District Business**

1. Purchase request – Miller matic 211 welder for Station 91 \$2105.00 . Needed to do repairs around station, repair and improve apparatus. Build training props.
2. Purchase request – Miller plasma cutter for Station 91. \$2663.66 – Repair the burn box, build training props. Repair and improve apparatus, miscellaneous projects around the stations.
3. Purchase request – Approve estimate provided by vendor to repair generator at Station 93. \$10,173.94.

### **Committee Meetings:**

1. Communication with Neighboring Elected Officials
  - City of Camas, July 25, 2023 2:00 PM City Hall.
  - City of Washougal, TBA.
2. Risk Group, July 12, 2023 at 8:00 AM via Zoom.
3. Revenue Exploratory Committee, TBA.
4. East County Ambulance Advisory Board (ECAAB), July 19, 2023 5:00 PM Station 42.
5. Safety Meeting, July 20, 2023 Sta. 91 at 7:00 PM.

### **Commissioner Comments**

### **Public Comment**

### **Local Board for Volunteer Firefighters and Reserve Officers**

### **Upcoming Meetings**

- Review of the district's monthly event calendar.
- Regular Board Meeting will be held July 18, 2023 Station 91 at 6:30 pm – hybrid format.
- Strategic Planning Workshop July 06, 2023 Station 91 at 5:30 pm – hybrid format.

### **Executive Session**

### **Adjournment**



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## Board of Fire Commissioners Consent Agenda

July 05, 2023

1. Approval of minutes:
  - June 20, 2023 Regular Board Meeting.
  - June 20, 2023 Local BVFF Meeting.
  - June 28, 2023 Special Meeting – Commissioner Workshop Minutes.
2. Invoices for \$30,338.57 check numbers 14730-14737 dated June 14 2023.
3. Approved commissioner stipends for the period of June 16 through June 30 with a July 10, pay date.

Name	Regular Meeting	Committee Meeting	Special Meeting	Education	Other	Total
Hofmaster	1	0	1	0	1	3
Martin	1	0	1	0	1	3
Petty	1	0	1	0	0	2
Seeds	1	0	1	0	1	3
Taggart	1	0	1	0	0	2

4. Voided/Destroyed Claims/Payroll Warrants.
5. Payroll/Benefits/EFT's in the amount of \$67,394.86 (Payroll).

\_\_\_\_\_  
Martha Martin, Chairperson

\_\_\_\_\_  
Michael Taggart, Vice Chair

\_\_\_\_\_  
Sherry Petty, Commissioner

\_\_\_\_\_  
Steve Hofmaster, Commissioner

\_\_\_\_\_  
Joshua Seeds, Commissioner



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## Regular Board of Fire Commissioners Meeting

June 20, 2023

Station 91

6:30 PM

Draft Minutes

### Attendance

Martha Martin

Mike Taggart

Joshua Seeds

Sherry Petty

Steve Hofmaster

Ed Hartin

Robert Jacobs

Debbie Macias

Station 91 Duty Crew

Station 94 Duty Crew

### Call to Order

This meeting was conducted in hybrid in-person/video conference format.

Chairperson Martha Martin called the meeting to order at 18:30 via Hybrid Meeting. Commissioner Hofmaster led the flag salute.

### Agenda Adjustments

#### Consent Agenda

- Approval of June 06, 2023 Regular Board Meeting Minutes.
- Approval of June 06, 2023 Local BVFF&RO Meeting Minutes.
- Approval of June 07, 2023 Strategic Planning Meeting Minutes.
- Approval of Financial Transactions.
- Excuse Absent Commissioner(s).

**Motion by Commissioner Taggart** to approve the consent agenda, **seconded by Commissioner Seeds.**

**Motion passed unanimously.**

### Public Input

None

## Correspondence

### Staff Reports

1. Chief Hartin read his report; a copy is in the meeting packet.
2. Assistant Chief Jacobs gave his report; a copy is in the meeting packet.
3. Assistant Chief Jacobs reported that the Volunteer Firefighter's Association had nothing new to report.
4. Assistant Chief Jacobs reported that the safety committee reported that there were no accidents/incidents since the last board meeting.

### Fire District Business

1. Chief Hartin shared a memo he sent out to the board recognizing some of the staff on what a great job they did during hose testing.
2. Resolution #322-06202023– Surplus equipment multiple items. (See Attachment A). **Motion by Commissioner Seeds to approve** Resolution #322-06202023 surplus equipment multiple items. (See Attachment A) **Seconded by Commissioner Taggart. Motion passed unanimously.**
3. Resolution #323-06202023 Surplus apparatus #1009 (E93). **Motion by Commissioner Seeds to approve** Resolution #323-06202023 Surplus Apparatus #1009 (E93). **Seconded by Commissioner Taggart. Motion passed unanimously.**
4. Purchase request – Chief Hartin asked the Board to approve the purchase of (1) AED Lifepak to remain on site at Station 91. \$2807.90. Funds of \$2500.00 donated by the Camas Moose Lodge. **Motion by Commissioner Petty** approve the purchase of (1) AED Lifepak **seconded by Commissioner Hofmaster. Motion passed unanimously.**
5. Purchase request – Chief Hartin asked the Board to approve the quote by vendor to repair the generator at Station 93. After discussing the quote, the Board would like to table this item to try to get additional quotes to repair and/or to replace before moving forward.
6. Purchase request – Chief Hartin asked the Board to approve the quote by vendor to remediate the mold at Station 94. \$14,988.61. **Motion by Commissioner Taggart to approve** to approve the quote from vendor to remediate the mold at Station 94. **Seconded by Commissioner Seeds. Motion passed unanimously.**
7. Purchase request – Chief Hartin asked the Board to approve the quote from vendor to remediate the mold at Station 93. **Motion by Commissioner Seeds to approve** the quote from vendor to remediate the mold at Station 93. **Seconded by Commissioner Hofmaster. Motion passed unanimously.**
8. Discussion on when the July Strategic Planning Meeting should be due to the Fourth of July holiday. After checking everyone's schedule, the date will be 7/06/2023 at 5:30 PM.

### Committee Meetings

1. Communication with neighboring elected officials
  - City of Camas, July 25, 2023 3:30 PM at City Hall. (Commissioner Martin to invite them to Station 91).
  - City of Washougal TBA.
2. Risk Group July 12, 2023 at 8:00 AM via Zoom.
3. Safety Meeting, July 20, 2023 at 7:30 PM at Station 91.
4. Revenue Exploratory Committee, TBA.
5. East County Ambulance Advisory Board (ECAAB), July 20, 2023.

### Commissioners Comments

Commissioner Seeds thanked Captain Troutman for staying on top of the mold issue.

Commissioner Martin asked the board how many of them have scheduled time with the Chief to discuss evaluation process. Short discussion ensued.

### Public Input

None

### Local Board for Volunteer Firefighters and Reserve Officers

No new business

### Upcoming Meetings

- Review of the district's monthly event calendar.
- Regular board meeting will be held July 5, 2023 Station 91 at 6:30 pm.
- Strategic planning workshop July 6, 2023 Station 91 at 5:30 pm. Station 91.

Both the regular board meeting and strategic planning workshop will be in hybrid format permitting in-person or video conference participation. The link for video conference participation is provided on the district's website ([www.ecfr.us](http://www.ecfr.us)).

### Adjournment

**Motion by Commissioner Taggart to adjourn at 20:29, seconded by Commissioner Hofmaster. Motion passed unanimously.**

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Martha Martin, Chairperson

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Michael Taggart, Vice Chair

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Sherry Petty, Commissioner

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Steve Hofmaster, Commissioner

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Joshua Seeds, Commissioner

**Attest**

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Debbie Macias, District Secretary



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## Local Board for Volunteer Fire Fighters & Reserve Officers Meeting

June 20, 2023

Station 91  
Draft Minutes

### Attendance

Martha Martin

Sherry Petty

Robert Jacobs

Station 94 Duty Crew

Mike Taggart

Steve Hofmaster

Debbie Macias

Joshua Seeds

Ed Hartin

Station 91 Duty Crew

### Call to Order

This meeting was conducted in hybrid in-person/video conference format.

Chairperson Martha Martin called the meeting to order at 20:01 via Hybrid Meeting.

### Business

No new business.

### Adjournment

The local board adjourned at 20:01.



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Martha Martin, Chairperson  
Commissioner Joshua Seeds, Alternate

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Tad Crum, Firefighters Association Liaison

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Robert Jacobs, Assistant Chief  
Ed Hartin, Chief (Alternate)

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Michael Taggart, Commissioner  
Sherry Petty, Commissioner (Alternate)

**Attest**

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Debbie Macias, District Secretary



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## Special Board of Fire Commissioners Meeting-Commissioner Workshop

June 28, 2023

Station 91

3:30 PM

Draft Minutes

### Attendance

Martha Martin

Mike Taggart

Joshua Seeds

Sherry Petty

Steve Hofmaster

Ed Hartin

Debbie Macias

### Call to Order

This meeting was in hybrid version in-person/video conference format.

Chairperson Martha Martin called the hybrid meeting to order at 3:31 pm turned it over to Commissioner Seeds.

Commissioner Seeds started the conversation regarding the Fire Chief evaluation. He referred to the June 6, 2023 packet where Chief Hartin gave an example of what the evaluation could look like. The conversation continued with all Commissioners giving feedback on the old evaluation paperwork and feedback on some new ideas. Discussion ensued.

### Public Input

No Comments

### Adjournment

The meeting adjourned at 4:30 pm.

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Martha Martin, Chairperson

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Michael Taggart, Vice Chair

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Sherry Petty, Commissioner

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Steve Hofmaster, Commissioner

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Joshua Seeds, Commissioner

**Attest**

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Debbie Macias, District Secretary

# CHECK REGISTER

East County Fire & Rescue

Time: 08:09:27 Date: 06/30/2023

06/16/2023 To: 06/30/2023

Page: 1

Trans	Date	Type	Acct #	Chk #	Claimant	Amount	Memo
652	06/22/2023	Claims	6291	14730	DAVID M. COREY, Ph.D., P.C.	420.00	Invoice # 4974 - Post-Offer Evaluation. FF (Dobbins)
					001 - 522 10 43 000 - Medical/Drug Screen/Vaccinati	420.00	Post-Offer Evaluation. FF (Dobbins)
653	06/22/2023	Claims	6291	14731	NATIONAL HOSE TESTING SPECIALTIES	6,486.00	Invoice # 51043 - Testing of all structure and wildland hose, all nozzles and appliance all ladders and installation of heat sensors.
					001 - 522 60 41 000 - Pump/Hose & Nozzle Test/Mtc	5,760.50	All structure and wild land hoses tested (17,550 ft), all nozzles (32qty) and appliances tested.
					001 - 522 60 41 000 - Pump/Hose & Nozzle Test/Mtc	48.00	Install 24 heat sensors
					001 - 522 60 41 002 - Ladder Testing/Repair	677.50	All ground ladders tested (271 ft).
654	06/22/2023	Claims	6291	14732	NI GOVERNMENT SERVICES, INC	34.24	Invoice # 23052952081 - Satellite phone subscription. Service period 5/1/2023-5/31/2023.
					001 - 522 20 41 001 - Satellite Phone	34.24	Satellite phone subscription. Service period 5/1/2023-5/31/2023.
655	06/22/2023	Claims	6291	14733	PACIFIC TRUCK & TRAILER SERVICE, INC	2,049.59	Invoice # 2023-34664 - Apparatus #1001 - Perform annual emergency vehicle inspection and service. Rebuild leaking primer pump and control. Rebuild leaking tank. Tested.; Invoice # 2023-34662 - Apparatus
					001 - 522 60 48 001 - T93 (1001)	1,481.43	Apparatus #1001 - Perform annual emergency vehicle inspection and service. Rebuild leaking primer pump and control. Rebuild leaking tank. Tested.
					001 - 522 60 48 013 - S93 (1013)	149.73	Apparatus #1013. Removed MDC docking station and GPS antenna. Removed siren and control. Removed 800 & VHF radios, speakers, wiring and 800 antenna.
					001 - 522 60 48 915 - U94 (915)	418.43	Apparatus #915. Check for rough running. Replaced spark plugs, replaced gas filter. Cleaned throttle body. Tested.
656	06/22/2023	Claims	6291	14734	URGENT MEDICAL CENTER SALMON CREEK	150.00	Invoice # 20112 - Drug Screen-PrePlacement Volunteer
					001 - 522 10 43 000 - Medical/Drug Screen/Vaccinati	150.00	Drug Screen-PrePlacement Volunteer (Bok)
657	06/22/2023	Claims	6291	14735	URGENT MEDICAL CENTER SALMON CREEK	150.00	Invoice #20113 - Drug Screen-PrePlacement FF (Hawkey)
					001 - 522 10 43 000 - Medical/Drug Screen/Vaccinati	150.00	Drug Screen-PrePlacement FF (Hawkey)
658	06/22/2023	Payroll	6291	14736	OPEIU Local 11	60.90	Pay Cycle(s) 06/25/2023 To 06/25/2023 - OPEIU Dues
					001 - 589 99 99 000 - Payroll Clearing	30.45	
					001 - 589 99 99 000 - Payroll Clearing	30.45	
659	06/22/2023	Payroll	6291	14737	TRUSTEED PLANS SERVICE CORPORATION	20,987.84	Pay Cycle(s) 06/10/2023 To 06/25/2023 - PPO-100 (Case#69106); Pay Cycle(s) 06/10/2023 To 06/25/2023 - Kaiser (Case#69106); Pay Cycle(s) 06/10/2023 To 06/25/2023 - Dental

# CHECK REGISTER

East County Fire & Rescue

Time: 08:09:27 Date: 06/30/2023

06/16/2023 To: 06/30/2023

Page: 2

Trans	Date	Type	Acct #	Chk #	Claimant	Amount	Memo
		001 - 522 10 22 001 - Admin Medical Insurance				1,397.85	
		001 - 522 10 22 001 - Admin Medical Insurance				1,512.18	
		001 - 522 10 22 001 - Admin Medical Insurance				688.93	
		001 - 522 10 22 001 - Admin Medical Insurance				92.83	
		001 - 522 10 22 001 - Admin Medical Insurance				92.83	
		001 - 522 10 22 001 - Admin Medical Insurance				53.54	
		001 - 522 20 22 001 - FF Medical Insurance				639.27	
		001 - 522 20 22 001 - FF Medical Insurance				639.27	
		001 - 522 20 22 001 - FF Medical Insurance				1,736.28	
		001 - 522 20 22 001 - FF Medical Insurance				1,069.69	
		001 - 522 20 22 001 - FF Medical Insurance				1,736.28	
		001 - 522 20 22 001 - FF Medical Insurance				1,736.28	
		001 - 522 20 22 001 - FF Medical Insurance				688.93	
		001 - 522 20 22 001 - FF Medical Insurance				1,736.28	
		001 - 522 20 22 001 - FF Medical Insurance				1,736.28	
		001 - 522 20 22 001 - FF Medical Insurance				688.93	
		001 - 522 20 22 001 - FF Medical Insurance				1,971.35	Retro Adjust (Case#69106)
		001 - 522 20 22 001 - FF Medical Insurance				147.40	
		001 - 522 20 22 001 - FF Medical Insurance				147.40	
		001 - 522 20 22 001 - FF Medical Insurance				53.54	
		001 - 522 20 22 001 - FF Medical Insurance				147.40	
		001 - 522 20 22 001 - FF Medical Insurance				147.40	
		001 - 522 20 22 001 - FF Medical Insurance				53.54	
		001 - 522 20 22 001 - FF Medical Insurance				147.40	
		001 - 522 20 22 001 - FF Medical Insurance				147.40	
		001 - 522 20 22 001 - FF Medical Insurance				53.54	
		001 - 522 20 22 001 - FF Medical Insurance				53.54	
		001 - 522 20 22 001 - FF Medical Insurance				107.08	Retro Adjust
		001 - 589 99 99 000 - Payroll Clearing				10.00	
		001 - 589 99 99 000 - Payroll Clearing				261.85	
		001 - 589 99 99 000 - Payroll Clearing				95.19	
		001 - 589 99 99 000 - Payroll Clearing				261.85	
		001 - 589 99 99 000 - Payroll Clearing				261.85	
		001 - 589 99 99 000 - Payroll Clearing				10.00	
		001 - 589 99 99 000 - Payroll Clearing				261.85	
		001 - 589 99 99 000 - Payroll Clearing				261.85	
		001 - 589 99 99 000 - Payroll Clearing				23.46	
		001 - 589 99 99 000 - Payroll Clearing				23.46	
		001 - 589 99 99 000 - Payroll Clearing				23.46	
		001 - 589 99 99 000 - Payroll Clearing				23.46	
		001 - 589 99 99 000 - Payroll Clearing				23.46	
		001 - 589 99 99 000 - Payroll Clearing				23.46	
		001 - 589 99 99 000 - Payroll Clearing				23.46	
		001 - 589 99 99 000 - Payroll Clearing				23.46	
		001 - 589 99 99 000 - Payroll Clearing				23.46	

001 General Fund

30,338.57

	Claims:	9,289.83
	30,338.57 Payroll:	21,048.74

## CHECK REGISTER

East County Fire & Rescue

Time: 08:10:03 Date: 06/30/2023

06/16/2023 To: 06/30/2023

Page: 1

Trans	Date	Type	Acct #	Chk #	Claimant	Amount	Memo
622	06/25/2023	Payroll	6291	EFT		3,461.18	
623	06/25/2023	Payroll	6291	EFT		3,280.86	
624	06/25/2023	Payroll	6291	EFT		2,048.49	
625	06/25/2023	Payroll	6291	EFT		2,414.13	
626	06/25/2023	Payroll	6291	EFT		704.01	
627	06/25/2023	Payroll	6291	EFT		2,381.75	
628	06/25/2023	Payroll	6291	EFT		2,967.21	
629	06/25/2023	Payroll	6291	EFT		234.93	
630	06/25/2023	Payroll	6291	EFT		2,007.28	
631	06/25/2023	Payroll	6291	EFT		1,405.11	
632	06/25/2023	Payroll	6291	EFT		352.39	
633	06/25/2023	Payroll	6291	EFT		1,213.36	
634	06/25/2023	Payroll	6291	EFT		234.93	
635	06/25/2023	Payroll	6291	EFT		3,724.34	
636	06/25/2023	Payroll	6291	EFT		234.93	
637	06/25/2023	Payroll	6291	EFT		1,141.16	
638	06/25/2023	Payroll	6291	EFT		2,823.49	
639	06/25/2023	Payroll	6291	EFT		335.86	
640	06/25/2023	Payroll	6291	EFT		3,168.53	
641	06/25/2023	Payroll	6291	EFT		4,331.25	
642	06/25/2023	Payroll	6291	EFT		2,904.59	
643	06/25/2023	Payroll	6291	EFT	IAFF2444	738.25	Pay Cycle(s) 06/25/2023 To 06/25/2023 - IAFF Dues
644	06/25/2023	Payroll	6291	EFT	DEPT OF RETIREMENT SYSTEMS	7,390.87	Pay Cycle(s) 06/25/2023 To 06/25/2023 - LEOFF2
645	06/25/2023	Payroll	6291	EFT	DEPT OF RETIREMENT SYSTEMS	1,458.43	Pay Cycle(s) 06/25/2023 To 06/25/2023 - PERS2
646	06/25/2023	Payroll	6291	EFT	DEPT OF RETIREMENT SYSTEMS	3,587.71	Pay Cycle(s) 06/25/2023 To 06/25/2023 - DComp
647	06/25/2023	Payroll	6291	EFT	DEPT OF RETIREMENT SYSTEMS	2,388.01	Pay Cycle(s) 06/25/2023 To 06/25/2023 - DComp Match
648	06/25/2023	Payroll	6291	EFT	DEPT OF RETIREMENT SYSTEMS	5.78	Pay Cycle(s) 06/25/2023 To 06/25/2023 - NLEC
649	06/25/2023	Payroll	6291	EFT	IRS	9,250.03	941 Deposit for Pay Cycle(s) 06/25/2023 - 06/25/2023
650	06/25/2023	Payroll	6291	EFT	OR Department of Revenue	506.00	Pay Cycle(s) for OR Tax: 06/25/2023 - 06/25/2023
651	06/25/2023	Payroll	6291	EFT	WASHINGTON STATE SUPPORT REGISTRY	700.00	Pay Cycle(s) 06/25/2023 To 06/25/2023 - WA Child Support
001 General Fund						67,394.86	
						67,394.86	Payroll: 67,394.86



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To: Board of Fire Commissioners  
 From: Chief Ed Hartin  
 Date: July 5, 2023  
 Subject: Chief's Report

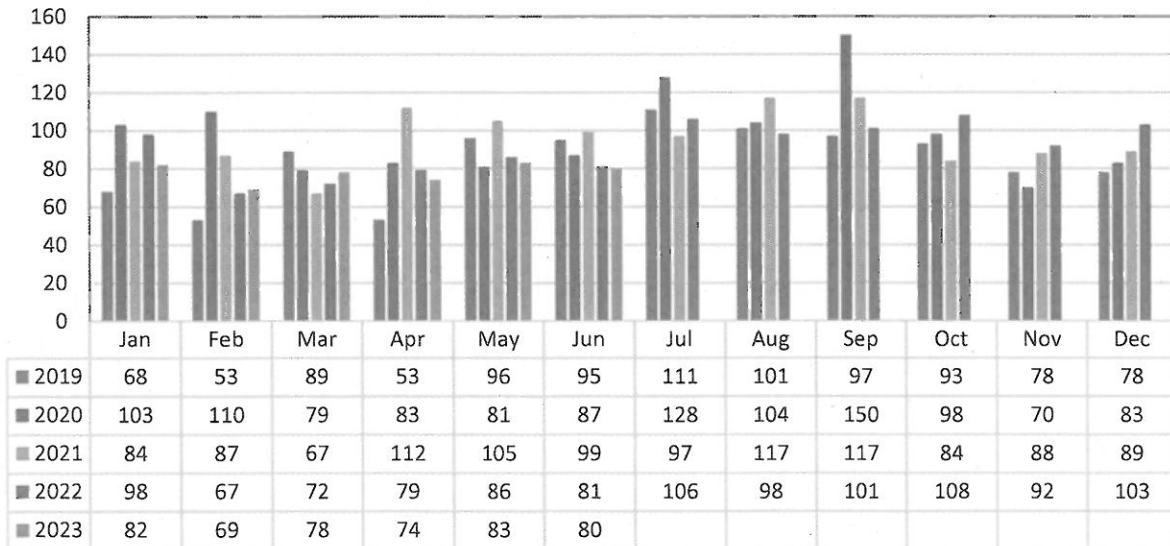
## Response Activity

In June, the district responded to 81 calls for service. Table 1 outlines the distribution of incidents by incident type series.

Table 1. June Response Activity

Incident Type Series	Number
1 - Fire	10
3 - Rescue & Emergency Medical Service Incident	37
4 - Hazardous Condition (No Fire)	1
5 - Service Call	8
6 - Good Intent Call	22
7 - False Alarm & False Call	3
Total Responses	81

Figure 1. Incident Responses by Month 2019-2023

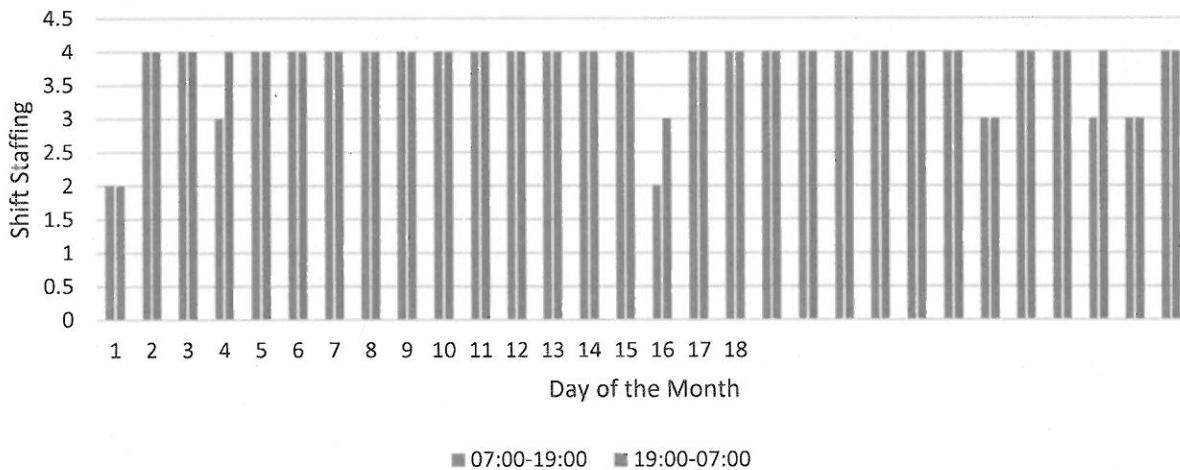


Fire incidents in June included five structure fires (two in district, two automatic aid to Camas Washougal Fire Department (CWFD), and one automatic aid to Vancouver Fire Department (VFD). There also were four vegetation fires, two in district, one automatic aid to CWFD and one automatic aid to the Washington Department of Natural Resources (DNR) on the L 1500 Road.

**Staffing and Deployment**

During the month of June maintained a 90<sup>th</sup> percentile<sup>1</sup> shift staffing level of 3 personnel during the day (07:00-19:00) and 3 personnel at night (19:00-07:00). Station 94 was unstaffed four times for a full shift (07:00-07:00) and twice during the day (07:00-19:00) during the month and as such, its availability of response from this station was 83.33% (in comparison with 100% availability from Station 91). Daily shift staffing is illustrated in Figure 2.

Figure 2. June Daily Shift Staffing



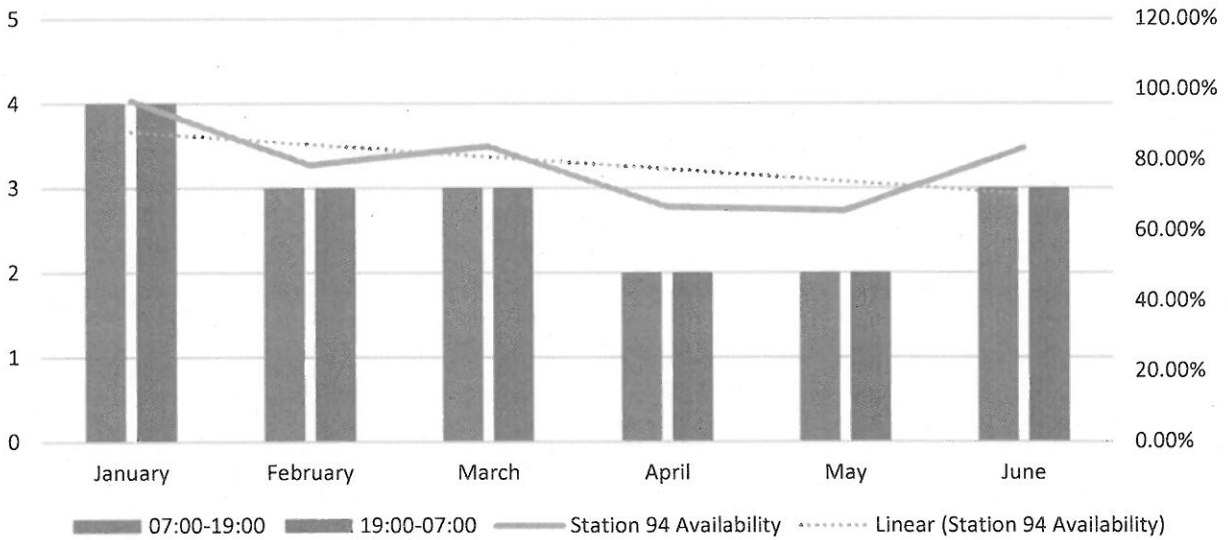
While seeing improvement in June, both 90<sup>th</sup> percentile shift staffing and availability of response from Station 94 have trended down since January 2023 as illustrated in Figure 3.

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<sup>1</sup> Calculation of the 90<sup>th</sup> percentile has been adjusted to accurately reflect the staffing that is available 90% of the time.



Figure 3. 90<sup>th</sup> Percentile Shift Staffing and Station 94 Availability for Response



Lack of staffing impacted two incidents as illustrated in Table 2. In one of these incidents, Camas Washougal Fire Department resources were first due and in the other Engine 91 was first due. Incidents occurring within fire management zone (FMZ) 95 would normally see a CWFD first due on priority one and two calls due to the location of this FMZ and the proximity of Station 43.

Table 2. Incidents Impacted by Lack of Staffing at Station 94

Date & Time	FMZ	Priority	Event Type	First Due
6/4/2023 14:18:06	95	2	TRAFFIC/TRANSPORTATION ACCIDENTS	E43
6/28/2023 04:34:35	94	5	UNKNOWN/INVESTGATION	E91

It is important to note that the improvement in 90<sup>th</sup> percentile shift staffing and availability resulted from members working additional hours (not an improvement in part-time staffing levels which remain at 50% of authorized strength).

**Shift Reports**

The captains will provide shift reports to the board at the second regular board meeting in July.

**Programs and Projects**

**Personnel Changes:** Firefighter Kevin Hawkey has completed all requirements specified in his conditional offer for full-time employment and will start with the District on August 3<sup>rd</sup>. Firefighter Alex Harrington will be leaving for a full-time position with Clark County Fire District 6 the end of July. As soon as we receive his formal notice, I will make a conditional offer of full-time employment to Firefighter Cody Parry. Firefighter Drew Gustafson is anticipated to leave for a full-time position with Vancouver Fire Department in late August. Firefighter Greta Smith has a chief's interview with Gresham Fire & Emergency Services next week. Should Greta receive an offer of full time employment, the district will have no part-time staff.

**Volunteer Recruitment and Training:** Six more volunteers started training to become certified at the Firefighter I and Hazardous Materials First Responder level and two volunteers started training as water tender operators. The latest six recruit firefighters will be doubling up on training hours over the next six weeks to catch up with the initial cohort. All six members of the first recruit cohort have completed the requirements for certification as a wildland firefighter type two.

**2024 Budget Development:** Administrative Specialist Pam Jensen, Accounting Assistant Debbie Macias, and I have continued work to clarify the chart of accounts and building a budget development workbook in Microsoft Excel to facilitate budget documentation down to the line item level. In addition, I have developed a preliminary budget document outline addressing the criteria specified in the Government Finance Officers Association of the United States and Canada (GFOA) Distinguished Budget Presentation Award program. These criteria aid in developing a budget document that serves as a policy document, as an operations guide, as a financial plan, and as a communications device for multiple audiences (staff, commissioners, and the public).

**Long-Term Financial Plan:** I have focused considerable effort on development of the district's long term financial plan and have forwarded the comprehensive financial policies and fiscal strategic goals sections of the plan to the board for consideration. Administrative Specialist Pam Jensen, Accounting Assistant Debbie Macias and I have nearly completed analysis of the district's historical debt and I have a first draft of fiscal performance measures (inclusive of those used in the Office of the Washington State Auditor Financial Intelligence Tool).

**Station 93 and 94 Mold Conditions:** Remediation of the mold at Station 93 is anticipated to start next week with work at Station 94 to follow immediately after completion.

**Station 93 Generator:** Captain Troutman has obtained a second bid from Pacific Power for repair of the generator at Station 93 as well as an estimated cost of replacement. We will be providing the board with a recommendation for action based on this additional information at the board's first regular meeting in July.



# East County Fire and Rescue

600 NE 267th Avenue Camas, WA 98607

(360) 834-4908 (phone)

(360) 835-8920 (fax)

[www.ecfr.us](http://www.ecfr.us)



To: Board of Fire Commissioners  
From: Assistant Chief Robert Jacobs  
Date: July 05, 2023  
Subject: Assistant Chief's Report

## Training

June DOC training was 6.13.2023.

July DOC training will be 7.11.2023 Sta. 91 at 7 PM.

June EST/Tender training will be 6.26.2023 Sta. 93 7 PM.

July EST/Training will be 7.24.2023 Sta. 91 & 93 7 PM.

## Apparatus Maintenance

E95 annual is completed. E92 is in now and T94 will be next.

## Safety

Last safety committee meeting was 5.23.2023.

Next safety committee meeting will be 7.20.2023 Sta. 91 7:30 PM.

No reported accidents/incidents since your last board meeting.



## East County Fire and Rescue

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To: Board of Fire Commissioners  
From: Chief Ed Hartin  
Captain James Troutman  
Date: July 5, 2023  
Subject: Generator Repair

The generator at Station 93 has a long history of mechanical and electrical issues (anecdotally for at least 10 years). Earlier this year it was determined that it was not functional and Assistant Chief Jacobs recommended that we contact the Caterpillar dealer for service. Initial inspection by Peterson Power Systems identified multiple mechanical defects and service items including:

- Cooling system leaks.
- Inoperative (aftermarket) block heater.
- Failed coolant level sensor.
- Cracked fuel line.
- Failed battery.
- Need for replacement of oil and air filters.
- Need for oil change.

Estimate for these repairs and maintenance from Peterson Power Systems is \$8,605.54 (inclusive of tax).

Based on direction from the board, Captain James Troutman solicited an estimate of replacement cost and second bid for maintenance and repair from Pacific Power Group in Vancouver. Replacement cost was estimated at \$60,000 to \$70,000. The maintenance and repair proposed by Pacific Power Group included fluid sampling and lab analysis and load testing required by National Fire Protection Association (NFPA) 110 Standard for Emergency and Standby Power Systems, 2022 Edition (which was not included in the quote from Peterson Power Systems). In addition, Pacific Power Group quoted prevailing wage labor (Peterson Power Systems claimed that prevailing wage was not applicable to this type of work (which is inconsistent with WAC 296-127-010(7)(b)(iii), that identifies this as a public works project as it involves repair other than "ordinary maintenance" (which is performed by district employees)). The estimate for repairs and maintenance provide by Pacific Power Group is \$10,966.49.

I see the following options to address the inoperative generator at Station 93:

- Repair Station 93's current generator
- Replace Station 93's current generator
- Defer action, leaving the generator inoperative

Commissioner Taggart has provided an excellent question regarding the size of the generator in relation to the current and future electrical backup power demands of Station 93. At present, the generator is adequate (and as Commissioner Taggart observed likely somewhat oversized) for the demand. As quoted, the cost of repair is significantly less than replacement. Even if we were to fix the current generator and sell it, replacing with a new generator, that the cost of the generator and installation would significantly exceed the cost of repair and it is unlikely that the surplus value of the existing generator would reduce the cost to a point where replacement would be more cost effective.

If we determine that the district's headquarters and/or on-duty staffing should be moved to Station 93, it is likely that significant renovation or new construction would be required, substantively changing the electrical requirements at this facility. If the station was to be renovated and expanded, architectural and engineering work would of necessity include assessment of backup-power needs and determination if the existing generator would be adequate or if it would need to be replaced.

The present challenge is to address the fact that this generator is inoperative. Given the information we have received to this point, I see repair of the current generator as the most cost effective and viable option (even if it is larger than currently needed).

The following factors differentiate Pacific Power Group's quote from that provided by Peterson Power Systems

1. The quote is for prevailing wage as required by state law.
2. Pacific Power Group holds a master State of Washington joint purchasing contract (#02420) for this type of work which negates the need for a separate bid process.
3. Work quoted included meeting the requirements of NFPA 110 (not included in the Peterson Power Systems quote).

Based on the three factors identified above we recommend that the district contract with Pacific Power Group to repair and service the generator at Station 93, despite the fact that their quote was higher than that from Peterson Power Systems.

We propose a budget amendment to reduce line item 522 50 40 000 Building Maintenance and Repair and an increase in line item 522 60 47 001 Generator Maintenance and Repair to provide sufficient funds in the appropriate line for repair and maintenance of the generator. This change along with other amendments to the budget will be presented to the board at a subsequent regular meeting.

# EAST COUNTY *Fire and Rescue*

## PURCHASING REQUEST FORM

REQUESTED ITEM(S): Generator repair at station 93

BRAND/MODEL/VENDOR/PART NUMBER: Cert Generator

APPARATUS / STATION NUMBER: Station 93

ESTIMATED COST OF REQUESTED ITEM: \$ 10,173.94

EXPLAIN THE NEED FOR REQUESTED ITEM: Generator at station 93 is not working

PERSON REQUESTING THE PURCHASE: James Troutman

DATE: 6-11-23

BUDGET CODING: SUB 522 ELE 66 OBJ 47 ID 001

DATE NEEDED BY: ASAP

DO NOT WRITE BELOW THIS LINE

AUTHORIZATION FOR PURCHASE

AUTHORIZED SIGNATURE

DATE ORDERED: \_\_\_\_\_

VENDOR: \_\_\_\_\_

TOTAL COST: \_\_\_\_\_

PAYMENT METHOD: VISA  M/C  NET 30  P/C

COMMENTS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## Generator Service Proposal

To: JAMES TROUTMAN  
 EAST COUNTY FIRE & RESCUE  
 121 NE 312TH AVE  
 WASHOUGAL, WA 98671  
 Phone: 360-834-4908  
 jtroutman@ecfr.us

From: MICHAEL BOURN  
 PACIFIC POWER GROUP  
 6100 SOUTH 6TH WAY  
 RIDGEFIELD, WA 98642  
 Office: 360-887-5980  
 mbourn@pacificpowergroup.com

WA STATE CONTRACT 02420, PW

Date: June 28, 2023

Proposal #: 76284 Please reference Proposal # on  
 POs and all correspondence.

Quantity	Description	Price
1	ANNUAL PM SERVICE MFR: OLYMPIAN MODEL: D135P2SX KW: 135 S/N: OLY00000HNPS01390  This quote is to perform annual full PM services during dayshift hours.  Includes replacing lube oil, lube oil filters, and fuel filters.  Includes fluid sampling and lab analysis of lube oil, coolant, and diesel fuel. Annual diesel fuel sampling and lab analysis is a compliance requirement under the currently recognized version of NFPA-110 for generators classified as "emergency".	\$1,439.55
1	ANNUAL 1.5 HOUR LOAD BANK TEST	\$1,567.57

\*\*\*Unless itemized above, proposed price does not include tax. Due to recent, frequent, and significant cost increases, Pacific Power Group reserves the right to revise pricing if our costs of labor or materials increase after the date of the proposal.\*\*\*

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_ Purchase Order #: \_\_\_\_\_

Contact for Service: \_\_\_\_\_ Phone: \_\_\_\_\_

This transaction is governed by and subject to the Terms and Conditions of Sale and Service (the "Terms and Conditions") of Pacific Power Group ("Seller") that are in effect as of the date of this proposal. The Terms and Conditions are available online at [www.pacificpowergroup.com/terms](http://www.pacificpowergroup.com/terms), and they are incorporated in full by this reference and made a part of this transaction. Customer acknowledges that Customer has read the Terms and Conditions. By purchasing goods and/or services from Seller, Customer agrees to be bound by the Terms and Conditions that are set forth on Seller's website; Customer's payment for and acceptance of the products and/or services described in this proposal will confirm Customer's acceptance of the Terms and Conditions. Upon Customer's request, Seller will provide Customer with a hard copy of the Terms and Conditions. Unless otherwise noted, services are to be performed during normal business hours.

Quantity	Description	Price
	<p>This quote is to perform 1.5-hour resistive Load Bank Test per NFPA-110. Minimum load steps will be 30 minutes @ 50% load, 60 minutes @ 75% load.</p> <p>This quote includes the cost of the electrical permit for load bank connection as required by Washington State Department of Labor and Industries, and load bank connection will be performed by PPG licensed electrician as required by Washington state law.</p>	
1	<p>BATTERY REPLACEMENT, AT TIME OF PM SERVICE</p> <p>This quote is to replace battery (one 4D) at time of PM service. Quoted price includes labor for second technician to assist due to weight.</p>	\$1,670.39
1	<p>BLOCK HEATER REPLACEMENT, AT TIME OF LOAD BANKING</p> <p>This quote is to replace block heater and block heater hoses, top off coolant.</p> <p>Work to be performed during dayshift hours at time of load bank testing (requires licensed electrician to perform wiring).</p>	\$659.89
1	<p>BUDGET ESTIMATE, COOLING SYSTEM SERVICE</p> <p>Budget estimate to perform complete Cooling System Service per attached scope of work (Six Year). A firm quote can be provided upon request.</p> <p>All work is quoted under Washington State Master Contract 02420 and includes Prevailing</p>	\$4,836.54

\*Unless itemized above, quoted price does not include tax.



Quantity	Description	Price
	<p>Wage Labor.</p> <p>Due to recent frequent and significant cost increases, Pacific Power Group reserves the right to requote pricing if our costs increase after date of quote.</p>	
	<p>SUBTOTAL</p> <p>SALES TAX</p> <p>TOTAL</p>	<p>\$10,173.94</p> <p>\$0.00</p> <p>\$10,173.94</p>

\*Unless itemized above, quoted price does not include tax.

## Pacific Power Group Clarifications To Our Proposal

Unless stated otherwise in our proposal, the following clarifications apply:

### General:

- Pricing assumes all work is performed during dayshift hours. Additional charges may apply for afterhours work.
- It is the client's responsibility to understand State and Federal Prevailing Wage requirements and to communicate those requirements to Pacific Power Group. Pricing does not include Prevailing Wage labor unless specifically noted. If Prevailing Wage requirements become known after the completion of work, additional labor charges will apply.
- It is the client's responsibility to understand applicable compliance requirements related to services to their generator(s), including but not limited to NEMA 110, and to communicate those requirements to Pacific Power Group. Only the Authority Having Jurisdiction can specify or define what services are required for compliance.
- Pricing assumes the award of all quoted work. Pacific Power Group reserves the right to requote pricing if award is for a lesser volume of work.
- Pricing assumes reasonable access to power generation equipment, and parking for our service vehicles adjacent to work site. Additional charges may apply for difficult access (roof top installations, ladders required to access equipment, distant parking from work site, etc.).
- Pricing does not include costs for parking permits. Parking permits, if required, may be billed additional.
- Pacific Power Group reserves the right to requote work if our cost of materials or labor increases after 30 days of the date quoted.
- All work performed will be governed by Pacific Power Group Standard Terms and Conditions. If a client-provided contract is required, additional charges may apply for contract review.
- Any additional needed work discovered during the course of performing quoted work will be noted and quoted to be performed at additional cost.
- Any site-specific training or certifications required to perform work may be billed additional.
- Any additional charges or fees related to invoicing or filing through a third party, including filing fees, registration fees, permit costs, etc., may be billed additional, and may include related administrative charges.
- Any applicable taxes will be billed additional and are not included in quoted price.
- Service reports will be provided on Pacific Power Group standardized reports. Any client-required specialized or custom reports may be billed additional.
- Pacific Power Group does not mandate vaccinations for our employees. Site or client specific vaccination requirements for vendor personnel may cause delays in scheduling and performing of services. Pacific Power Group is not responsible for delays in services due to site or client vaccination requirements.

### Load Bank Testing:

- Pricing for load bank testing in Washington state includes the cost of electrical permits as required by Washington State Department of Labor and Industries for connection of load banks.
- Load bank connections in Washington state will be performed by Pacific Power Group licensed electricians as required by Washington state law.
- Pricing for load bank testing assumes access for our load bank within 50' of connection point, with free air flow and free of overhead fire sprinkler heads or other heat sensitive equipment. Additional charges may apply for longer cable runs.
- Pricing for load bank testing assumes a direct line of sight exists between generator controller and load bank controller. Additional charges may apply for a second technician if a direct line of sight does not exist.
- Load bank testing is performed at time of annual PM services or other services and does not include travel for a dedicated trip.
- Load bank testing will be performed using resistive load banks. Reactive load bank testing can be performed at additional cost upon request.

### Limitations on Scope of Work:

- Alarms and shutdowns will be tested/ inspected to the extent possible without removal of sensors. Testing of some alarms and shutdowns is not possible on some newer electronic engines.
- Level switches, transfer pumps and controls will be tested/ inspected to the extent possible without removing level switches or manipulating fluid levels.
- Coolant flushes (if included) are limited to one water flush only. If additional flushing and/or chemical flush is required due to conditions of cooling system, additional charges may apply.
- Fluid sampling and lab analysis of fluids (lube oil, coolant, and fuel) can be provided upon request but is not included unless specifically noted.
- Fluids for top off will be billed additional.

### Transfer Switches/ Electrical Gear:

- Any electrical cabinets that require arc flash protection greater than 40 Cal will not be opened by Pacific Power Group technicians while energized. De-energizing of transfer switches and electrical gear is by others.
- Performing load transfer tests will disrupt power to the load and requires owner authorization.
- If load transfer tests must be performed after hours additional overtime labor charges may apply.

### Travel and Standby Time:

- Standby time beyond our control in excess of 15 minutes may be invoiced additional at our current labor rates. Travel expenses related to standby time may be billed additional.
- Pacific Power Group cannot be responsible for delays in our response time beyond our control, including but not limited to traffic delays, weather events, and acts of God.
- Pricing includes one way travel and assumes work can be scheduled at Pacific Power Group's discretion to be combined with other work in the area for shared travel costs. Additional travel charges may apply if a dedicated trip is required to perform work.

**GENERATOR PM SCOPE OF WORK**

**ANNUAL FULL SERVICE**

1. Replace Engine lube oil and lube oil filters
2. Replace Engine diesel fuel filters and fuel/water separator filters
3. Replace coolant filter(s) (where applicable)
4. Obtain oil, coolant, and fuel sample for lab analysis

**SERVICE CHECKS**

1. Check oil level
2. Check and adjust engine block heater operation
3. Visual inspection of engine before and after test run
4. Check turbocharger rubber sleeves for cracking, damage, and leaks
5. Inspect charge air cooler and condensate drains for coolant discharge
6. Check Ignition system (points, plugs, condenser, cap, rotor, coil, and wiring where applicable/gaseous engines)
7. Test run engine listen for unusual noise and check for vibration
8. Check and record oil pressure, coolant temp and RPM
9. Check exhaust and turbo for signs of wet stacking
10. Check air louvers and air flow duct operation (where applicable)
11. Check exhaust piping and condensation trap
12. Check fuel system hoses and supply tank level
13. Check air filters (advise on replacement)
14. Check for leaks (fuel, water, and oil)
15. Check radiator hoses
16. Check fan belt condition and tension
17. Check coolant freeze points
18. Check and Verify controls are cleared of alarms
19. Check and adjust battery charger rate and operation
20. Check specific gravity and load test batteries, clean as required
21. Check seismic vibration isolator mounts
22. Check governor operation
23. Check engine alternator and DC charge rate
24. Check gauges and meters for operation
25. Check and Test automatic shutdown protections, alarms, and fault lamps (where applicable)
26. Check automatic transfer switch for dust and debris.
27. Check and Test time delay for engine start, load transfer and retransfer (authorization required)
28. Check and Test emergency system operation with load transfer (authorization required)
29. Check generator output voltage
30. Check voltage frequency
31. Check for rodent infestation
32. Update onsite maintenance records
33. Reset switches to auto and reset breakers
34. Clean work area
35. Submit service reports and advise on any abnormalities or repairs needed

Note: Any fluids required for top off will be billed additional.

## 1.5 HOUR LOAD TEST SCOPE OF WORK

- Check lube oil level prior to testing
- Check air filter prior to testing
- Check coolant level prior to testing
- Check fuel system and day tank prior to testing
- Check fuel quality (visual analysis)
- Check charging and starting system
- Check exhaust system
- Check for fluid leaks
- Check for control faults
- Check AC voltage and frequency
- Check instruments and lamps
- Commence testing as required
- Operate generator at not less than 50% of nameplate rating for 30 minutes, and not less than 75% of nameplate rating for 60 minutes, for a total of 1.5 continuous hours per 2010 & 2013 editions of NFPA-110
- Record data at 15 minute intervals
- Top off all fluids after engine run
- Reset switches to auto and reset breaker
- Submit load test / inspection report and advise on any abnormalities or repairs needed
- *Pacific Power Group, LLC will purchase and provide electrical permit for connection of load bank as required by WAC 296-46B-901 (Washington state only)*
- *Load bank connections will be performed by Pacific Power Group, LLC licensed electrician as required by RCW 19.28 19.28.041 and RCW 19.28.061 (Washington state only)*
- *Load bank and cabling will be UL listed and labeled or third party listed and labeled as required by WAC 296-46B-010 (Washington state only)*

Please note: Any fluids required for top off will be billed additional.

### **COOLANT REPLACEMENT SCOPE OF WORK (EVERY THREE YEARS)**

- Drain coolant from engine, radiator and manifolds, etc. as needed, remove used coolant from site and properly dispose of.
- Water flush cooling system to remove traces of old coolant by filling cooling system with distilled water and operating on load bank until engine reaches operating temperature to circulate distilled water.
- Drain distilled water from engine, radiator and manifolds, etc. as needed, remove used distilled water from site and properly dispose of.
- Replace block heater hoses and hose clamps.
- Fill cooling system with correct premix coolant specific to the engine. OEM coolant is used whenever available (Cummins/Fleetguard, John Deere Coolguard II, Detroit Diesel Powercool, CAT, etc.) or appropriate heavy-duty coolant is used.
- Test run until engine reaches operating temperature to circulate coolant, bleed air from system and inspect for leaks.

### **COMPLETE COOLING SYSTEM SERVICE SCOPE OF WORK (EVERY SIX YEARS)**

- Perform coolant and block heater hose replacement per above scope of work.
- Replace upper and lower radiator hoses and hose clamps. All preformed hoses are replaced with OEM hoses where available, or appropriate aftermarket hoses are used.
- Replace coolant hoses for lube oil cooler, aftercooler, bypass, etc. and hose clamps. All preformed hoses are replaced with OEM hoses where available, or appropriate aftermarket hoses are used.
- Replace drive belts (fan, alternator, water pump, etc.) and properly tension.
- Replace coolant thermostat(s) and gasket(s).
- Replace radiator cap.

Please note: Cleaning of radiator is not included in above listed scope of work. Radiator cleaning, if required, will be noted by our technician and quoted separately at additional cost. Any additional work found in the course of performing the above listed services (water pump replacement, lube oil cooler rebuild/replacement, radiator replacement, etc.) will be quoted separately at additional cost. Cooling system flushing is water flushing only. If during the course of the work, condition of coolant and/or cooling system is found to require additional flushing (chemical, etc.), this work will be quoted at an additional cost.



Peterson Power Systems, Inc.  
 5450 NE FIVE OAKS DR  
 HILLSBORO, OR 97124  
 800-621-9087

**Estimate #2118710 - 1**

**EAST COUNTY FIRE & RESCUE**  
 CASH ACCOUNT 600 NE 267TH AVE  
 CAMAS 98607

CUSTOMER NO.	CONTACT	PHONE NO.	FAX NO.	WORK ORDER NO.
7632160	DEBBIE MACIAS	60-834-4908		
Estimate NO.	P.O. NO.	DATE	EMAIL	
2118710		6/7/2023	dmacias@ecfr.us	
MAKE	MODEL	SERIAL NO.	UNIT NO.	SMU
AA	D132P2SX	0NPS01390	STATN. 93	420
DESCRIPTION:				
PERFORM COOLING SYSTEM REPAIRS   REPLACE BLOCK HEATER   REPLACE BATTERIES   PERFORM ANNUAL ENGINE SERVICE				
NOTE				
NOTE: THE BELOW ESTIMATE IS PRICES ASSUMING ALL WORK SEGMENTS APPROVED BY CUSTOMER AND PERFORMED OVER COURSE OF TWO TRIPS TO WASHOUGAL.				
ESIMATE DUE TO NO SERVICE HISTORY ON FILE AND OVERALL CONDITION OF GENERATOR SET. DURING WORK - IF ADDITIONAL REPAIR ITEMS ARE DISCOVERED, CUSTOMER WILL BE NOTIFIED. CUSTOMER CAN APPROVE AT TIME OF NOTIFICATION BY PETERSON SERVICE DEPT, OR REQUEST SUPPLEMENTAL QUOTE.				

SEGMENT: B1

**Labor**

**Total Labor:** 776.00

**Labor Summary** TRAVEL: 121 NE 312TH AVENUE, WASHOUGAL, WA 98671 (TWO TRIPS)

**Misc**

Description	Ext Price
TRUCK FUEL SURCHARGE 80 MILES ROUND TRIP (TWO TRIPS)	180.00
<b>Total Misc:</b>	180.00

**Segment B1 Total:** 956.00

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**SEGMENT: 01**

INSPECTION OF THE COOLING SYSTEM NOTED ORIGINAL EQUIPMENT FROM 2004 AND SEVERAL COOLANT LEAKS. THE BELOW SEGMENT IS TO PERFORM FULL COOLING SYSTEM SERVICE (CSS). SCOPE OF WORK:

- \* DRAIN OLD COOLANT FROM ENGINE AND RADIATOR
- \* REPLACE ALL COOLANT HOSES (UPPER/LOWER RADIATOR, BYPASS LINE, BLOCK HEATER LINES)
- \* REPLACE THERMOSTAT AND SEALS
- \* REPLACE WATER OUTLET CONNECTION W/ SEAL
- \* RESEAL BYPASS TUBE ELBOW CONNECTION
- \* REPLACE FAN DRIVE BELTS
- \* REPLACE AIR FILTER ELEMENT
- \* REPLACE RADIATOR CAP
- \* REFILL SYSTEM WITH NEW CAT COOLANT
- \* BLEED AIR FROM SYSTEM, TOP OFF FLUID LEVELS
- \* RUN ENGINE TO VERIFY REPAIRS, ENSURE NO LEAKS

ADDITIONAL:  
REPLACE COOLANT/WATER TEMPERATURE SENSOR

**Parts**

Description	Qty	Ext Price
THERMOSTAT	2	27.74
O-RING	2	19.16
HOSE KIT BYPASS	1	18.65
O-RING	1	6.46
GASKET	1	2.22
CONNECTION WTR OUTLET	1	83.98
RADIATOR HOSE UPPER	1	40.53
RAD HOSE LOWER	1	44.28
CLAMP	4	72.00
CM-HOSE STK	185	29.60
CLAMP	4	15.64
CAP	1	85.95
FAN BELT SET	1	25.30
COOLANT, GAL	8	117.92
ELEMENT, AIR	1	56.31
SW/SENDER WTR TEMP	1	73.86
	<b>Total Parts:</b>	<b>719.60</b>

**Labor**

**Total Labor:** 2,364.00

**Labor Summary**      LABOR

**Misc**

Description	Ext Price
SERVICE SUPPLIES, ENVIRO FEE	163.43
SHIPPING - INBOUND OLYMPIAN	65.00
<b>Total Misc:</b>	<b>228.43</b>

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**Segment 01 Total:**      3,312.03

**SEGMENT: 02**

INSPECTION OF THE ELECTRICAL SYSTEM NOTED AN AFTERMARKET HEATER SYSTEM WAS INSTALLED, HOWEVER FAILED AND NEEDS TO BE REPLACED. THE BELOW SEGMENT IS TO INSTALL NEW HOTSTART 1000 WATT 120 VOLT HEATER.

\*\*WILL REQUIRE RE-MOUNTING DUE TO DIFFERENT DESIGN AND TO ACCOMODATE NEW 5/8" HI-TEMP SILCONE HOSES.

**Parts**

Description	Qty	Ext Price
HEATER 1000 120V	1	136.71
<b>Total Parts:</b>		<b>136.71</b>

**Labor**

**Total Labor:**      485.00

**Labor Summary**      LABOR

**Misc**

Description	Ext Price
SERVICE SUPPLIES, ENVIRO FEE	27.38
<b>Total Misc:</b>	<b>27.38</b>

---

**Segment 02 Total:**      649.09



**SEGMENT: 03**

INSPECTION OF THE ELECTRICAL SYSTEM NOTED THE COOLANT LEVEL SENSOR HAS FAILED. ORIGINAL LIKE FOR LIKE PART OBSOLETE AND NO LONGER AVAILABLE FROM OLYMPIAN. THE BELOW SEGMENT IS TO INSTALL UPDATED OLYMPIAN SENSOR KIT (SENSOR, WIRE HARNESS, HARDWARE)

**Parts**

Description	Qty	Ext Price
SOCKET CONNECTOR	3	3.30
PLUG KIT-CON	1	5.41
SENSOR COOLANT LEVEL	1	197.20
	<b>Total Parts:</b>	<b>205.91</b>

**Labor**

**Total Labor: 388.00**

**Labor Summary**      LABOR

**Misc**

Description	Ext Price
SERVICE SUPPLIES, ENVIRO FEE	29.46
SHIPPING INBOUND OLYMPIAN	45.00
	<b>Total Misc: 74.46</b>

**Segment 03 Total: 668.37**

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**SEGMENT: 04**

REPLACE CRACKED FUEL SUPPLY LINE FROM TANK TO LIFT PUMP/FILTER HOUSING.

**Parts**

Description	Qty	Ext Price
HOSE-FUEL TANK	1	31.49
	<b>Total Parts:</b>	<b>31.49</b>

**Labor**

**Total Labor: 194.00**

**Labor Summary**      LABOR

**Misc**

Description	Ext Price
SHIPPING INBOUND	18.50
SERVICE SUPPLIES, ENVIRO FEE	12.28
<b>Total Misc:</b>	<b>30.78</b>

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**Segment 04 Total:** 256.27

**SEGMENT: 05**

BATTERY IS FAILED AND NEEDS TO BE REPLACED. THE BELOW SEGMENT IS TO PROVIDE AND INSTALL NEW CATERPILLAR MAINTENANCE FREE BATTERY.

**Parts**

Description	Qty	Ext Price
BATTERY 8D MAINT FREE	1	353.13
Core	1	42.74
<b>Total Parts:</b>		<b>395.87</b>

**Labor**

**Total Labor:** 388.00

**Labor Summary**      LABOR REMOVE/INSTALL/RECYCLE

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**Segment 05 Total:** 783.87

**SEGMENT: 06**

PEFORM ANNUAL GENERATOR SERVICE AND INSPECTION:

- \* TAKE SOS-1 OIL & COOLANT SAMPLES
- \* DRAW FROM FUEL TANK - TAKE MID LEVEL SOS-CSA FUEL SAMPLE (TESTS FOR WATER, SEDIMENT, MICROBE)
- \* DRAIN AND REFILL WITH NEW OIL
- \* REPLACE OIL FILTERS
- \* REPLACE BOTH PRIMARY/SECONDARY FUEL FILTERS
- \* PERFORM CAT INSPECT REPORT (EMAILED DIRECT TO CUSTOMER FROM JOBSITE)

**Parts**

Description	Qty	Ext Price
DEO ULS 15W40 JUG	5	101.30
FILTER A, OIL	2	33.38
ELEMENT, FUEL	1	31.29
ELEMENT, FUEL	1	34.18
SOS KIT OIL & COOLANT	2	37.00
MICROBE WATER SED, FUEL SAMPLE	1	85.25
	<b>Total Parts:</b>	<b>322.40</b>

<b>Labor</b>	<b>Total Labor:</b>	<b>968.00</b>
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Labor Summary      LABOR

Description	Ext Price
Misc SERVICE SUPPLIES, ENVIRO FEE	66.85
	<b>Total Misc:</b> 66.85

Segment 06 Total: 1,357.25

**Total Segments:** 7,982.88

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**SUB TOTAL (BEFORE TAXES)** 7,982.88

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- Quoted price valid for 21 days.
- Price excludes Freight Charges, Operating Supplies/EPA Fees and Overtime.
- Terms: Net 30 on open accounts. All others COD.
- Sales Taxes where applicable are not included with the above prices.

**ESTIMATED REPAIR TIME.:** from start date

*"The Signature is an authorization to proceed with the required repair work as described within the quote".*

Issued PO# \_\_\_\_\_, Authorized Name \_\_\_\_\_ Please Print.

Date \_\_\_\_/\_\_\_\_/\_\_\_\_.

Signature \_\_\_\_\_

Any Questions? Please Call Ronald Camacho at 503-209-2363.

### Terms and Conditions

The purchases of goods and/or services sold by Peterson Power Systems, Inc. (PPSI) are subject to the PPSI terms and conditions available at Seller's website (<http://www.petersonpower.com/about/terms/peterson-power-systems-inc-customer-service-agreement-terms-and-conditions>) PPSI reserves the right to modify their terms and conditions at any time without prior notice and the current version shall supersede all prior versions upon posting to Seller's website.



# East County Fire and Rescue

600 NE 267th Avenue Camas, WA 98607

(360) 834-4908 (phone)

(360) 835-8920 (fax)

[www.ecfr.us](http://www.ecfr.us)



To: Board of Fire Commissioners  
From: Chief Ed Hartin  
Firefighter Ryan Grable  
Date: July 5, 2023  
Subject: Cutting and Welding Equipment/Repair of Live Fire Training Prop

The live fire training prop at Station 93 was purchased in 2005 and has seen considerable use over the 18 years that it has been in service (this duration far exceeds the typical lifespan of this type of prop). Live fire training is an essential element of the district's training program and facilities for this type of training are not readily available in partnership with neighboring agencies (access would require considerable travel distance, time, and overtime expense). Live fire training is also required by Washington Administrative Code (WAC) 296-305 Safety Standards for Firefighters.

WAC 296-305-05502

Training and member development.

(6) Continuing education live fire training.

(a) All members who engage in interior structural firefighting in IDLH conditions must be provided live fire training appropriate to their assigned duties and the functions they are expected to perform at least every three years. Firefighters who do not receive this training in a three-year period will not be eligible to return to an interior structural firefighting assignment until they do.

The mid-section of the roof and the floor of the live fire training prop have severe damage from corrosion and are in need of repair (replacement of damaged material).

Figure 1. Floor Damage



*Note:* The floor is constructed of 10 gage sheet steel with steel C-channel joists.

Repair of the floor requires cutting out the damaged sections of sheet steel and replacement with new steel. It is likely that some of the steel C-channel joists will also need to be replaced.

Figure 2. Roof Damage



*Note:* The bright white spots in Figure 2 are where the roof has rusted through (the front section of the prop has double layer steel and is insulated, the rear section of the prop is separated from the fire compartment with a steel wall. Both the front and rear sections of the roof are protected from thermal insult and have not experienced severe corrosion.

In addition to the roof and floor the cleanout (used to remove burned material between evolutions or after training) is also damaged. This is common given the design of this prop.

Figure 3. Cleanout Damage



Replacement of the live fire training prop (which should be included in the district's capital project plan) would cost in excess of \$80,000, not including delivery and set-up cost if purchased from Dräger (the manufacturer who constructed the existing prop).

The following cutting and welding equipment will be required to complete repairs to the live fire prop"

- Miller Plasma V Spectrum 625 Cutter at a cost of \$2663.66
- Miller Millermatic 211 Wire Feed Welder at a cost of \$2105.01

Replacement 96" x 40" roof panels (likely would need four) are available at a cost of \$162 each and 48" x 96" 10-gage steel sheets are available at a cost of \$621.75 (likely would need a single sheet). Other steel stock need to repair the cleanout and other attachments would likely cost in the vicinity of \$500.00.

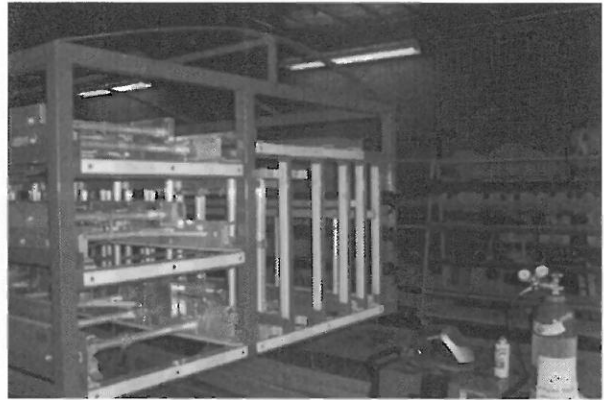
As such repair of the district's existing live fire training prop is far less expensive, and much faster (given that at present funds are not available for this capital project). Firefighter Grable and Captain Prasch have the technical skill to perform these repairs and I have considerable experience in design and construction of fire training props. Figure 4 illustrates four training props that I designed and assisted in construction of while working for Gresham (OR) Fire and Emergency Services (GFES).

In addition to being essential to repair of the live fire training prop, these cutting and welding tools can also be used for other repair and maintenance and training prop construction tasks.

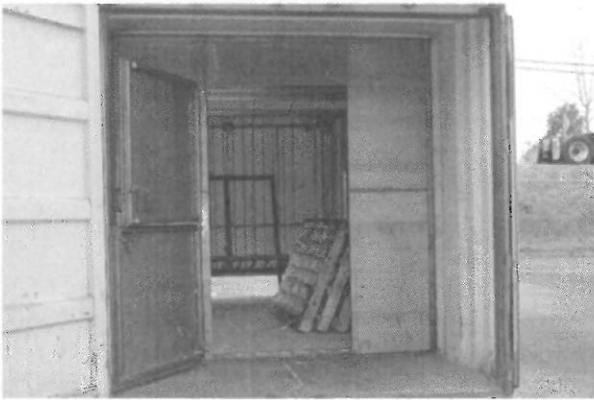
Figure 4. Training Prop Design and



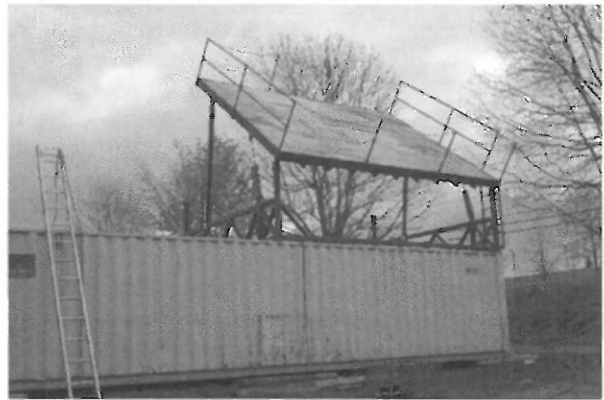
GFES Attack Cell



GFES Ladder Rack



GFES Backdraft Demo Cell



GFES Variable Pitch Roof Prop

# EAST COUNTY *Fire and Rescue*

## PURCHASING REQUEST FORM

REQUESTED ITEM(S): Miller Plasma cutter

BRAND/MODEL/VENDOR/PART NUMBER: Miller, Spectrum 625 X-Treme,  
Airgas part # MIL 907579EA Manufacture # 907579

APPARATUS / STATION NUMBER: ST 91

ESTIMATED COST OF REQUESTED ITEM: \$ 2,365 + tax \$ 2663.66

EXPLAIN THE NEED FOR REQUESTED ITEM: Repair the burn box,  
build training props, Repair and improve apparatus, Miscellaneous  
Projects around the stations

PERSON REQUESTING THE PURCHASE: Ryan Grable

DATE: 6/21/23

BUDGET CODING: SUB 522 ELE 20 OBJ 32 ID 002

DATE NEEDED BY: ASAP

DO NOT WRITE BELOW THIS LINE

AUTHORIZATION FOR PURCHASE: \_\_\_\_\_  
AUTHORIZED SIGNATURE

DATE ORDERED: \_\_\_\_\_

VENDOR: \_\_\_\_\_

TOTAL COST: \_\_\_\_\_

PAYMENT METHOD: VISA  M/C  NET 30  P/C

COMMENTS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





 **WARNING**

### Miller® 120 - 240 V Spectrum® 625 X-TREME™ Plasma Cutter

By Miller Electric Manufacturing

[Datasheet](#)

Airgas Part #: MIL907579EA

Manufacturer Part #: 907579

**\$2,365<sup>00</sup>** / Each

Provide your delivery zip code or log into your account to get up-to-date product availability, pricing and delivery options.

1	Each
---	------

[ADD TO CART](#)

#### Item Details

Miller® Spectrum® 625 X-TREME™ 12-ft. XT40 Quick Connect. Powerful 40 amps cuts up to 5/8 inch mild steel and weighs only 21 lbs. X-CASE™ provides ultimate protection during transport and storage.

» [Show more details and specs](#)

# EAST COUNTY *Fire and Rescue*

## PURCHASING REQUEST FORM

REQUESTED ITEM(S): Millermatic 211 welder

BRAND/MODEL/VENDOR/PART NUMBER: Miller, Millermatic 211 welder,  
Argas, #907614, Argas part # Mil 907614

APPARATUS / STATION NUMBER: ST 91

ESTIMATED COST OF REQUESTED ITEM: \$1,935 + tax \$2105.01

EXPLAIN THE NEED FOR REQUESTED ITEM: Repair the burn box, build  
traming props. Miscellaneous projects around the station. Repair  
and improve Apparatus.

PERSON REQUESTING THE PURCHASE: Ryan Grable

DATE: 6/21/23

BUDGET CODING: SUB 522 ELE 20 OBJ 32 ID 002

DATE NEEDED BY: ASAP

DO NOT WRITE BELOW THIS LINE

AUTHORIZATION FOR PURCHASE: \_\_\_\_\_  
AUTHORIZED SIGNATURE

DATE ORDERED: \_\_\_\_\_

VENDOR: \_\_\_\_\_

TOTAL COST: \_\_\_\_\_

PAYMENT METHOD: VISA  M/C  NET 30  P/C

COMMENTS:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**WARNING**

### Miller® Millermatic® 211 Single Phase MIG Welder With 110 - 240 Input Voltage, 230 Amp Max Output, Advanced Auto-Set™ Material Thickness, Fan-On-Demand™ Cooling, And Accessory Package

By Miller Electric Manufacturing  
Airgas Part #: MIL907614  
Manufacturer Part #: 907614

[Datasheet](#)

**\$1,935<sup>00</sup>** / Each

#### Delivery Methods

Airgas Truck	Not available for guests
<b>Store Pickup</b> Vancouver 98661   <a href="#">Change</a>	Available Pickup by <b>06/21/23</b>
<b>Ship It</b> Standard Shipping	Estimated Ship Date <b>06/21/23</b> Delivers 3-5 days after ship date

1	Each
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**ADD TO CART**

Sun	Mon	Tue	Wed
2 B SHIFT	3 C SHIFT	4 A SHIFT	5 B SHIFT
Events Tri Tech Heating and, 12:00 - 16:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91	Events Simpson Plumbing-w: 10:00 - 12:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91
6 C SHIFT	7 A SHIFT	8 B SHIFT	9 A SHIFT
Events Strategic Planning Me 17:30 - 19:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91
10 A SHIFT	11 B SHIFT	12 C SHIFT	13 A SHIFT
Events Tri Tech Heating and, 12:00 - 16:00 Station 91	Events Simpson Plumbing-w: 10:00 - 12:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91	Events Strategic Planning Me 17:30 - 19:00 Station 91
16 A SHIFT	17 B SHIFT	18 C SHIFT	19 A SHIFT
Events Commissioner Meetir 18:30 - 21:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91
20 A SHIFT	21 B SHIFT	22 C SHIFT	23 A SHIFT
Events Commissioner Meetir 18:30 - 21:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91
26 B SHIFT	27 C SHIFT	28 A SHIFT	29 B SHIFT
Events Commissioner Meetir 18:30 - 21:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91	Events Commissioner Meetir 18:30 - 21:00 Station 91
30 C SHIFT	31 A SHIFT		

\* Indicates time starts on following calendar day

\* Events and Time Off follow default Split Time of Day of 07:00