

LTF&R

### **DECEMBER 2023 MONTHLY REPORT**

Members of the Leland Township Fire & Rescue, Leelanau Township Fire Department, Elmwood Township Fire Department, and The Leelanau County Sheriff's Office attended a presentation on Energy Storage Systems, battery-powered electric vehicle incidents, and lithium-ion battery fires.

Two township residents, Scott Anderson and Susan Och, brought their battery-powered electric or hybrid vehicles over for them to look at.

The course was taught by the LTFR's Fire Chief
Dan Besson and Community Risk Reduction
Coordinator Greg Thomas.



"Some of the fire service is well prepared, but I truly believe that for the most part, our fire service is behind in preparing our firefighters for responding to incidents involving electric vehicles. It depends on where you're at in the country, but probably less than 10% of the U.S. fire service is well-prepared for a response".

Fire Chief Mike O'Brian
International Association of Fire Chiefs
Chair of the Fire & Life Safety Section



### Leland Township Fire & Rescue

203 Grand Avenue P.O. Box 578 Leland, MI 49654 (231) 256-7760

### **Monthly Report for December 2023**

Total LTFR Responses December 2023: 35

Year to Date Call Volume: 463

### Major Incident Type(s) Breakdown

Major Incident	# of Incidents	2022 Monthly	% of Total
Туре	<b>Current Month</b>	Comparison	<b>Current Month</b>
Rescue & Medical	14	22	40%
Fires	2	1	6%
<b>Hazardous Conditions</b>	6	3	17%
False Alarm	2	4	6%
Service Incidents	7	3	20%
Other	4	5	11%
TOTAL	35	38	

### Differential from previous years

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	TTL
2018	38	26	24	32	41	38	62	63	47	48	33	29	481
2019	21	30	29	29	44	29	50	51	45	44	41	37	450
2020	33	31	27	35	44	52	59	48	42	35	57	37	500
2021	32	33	50	26	46	47	70	71	30	32	40	43	521
2022	32	32	38	26	37	49	61	53	39	69	35	38	509
2023	34	25	33	35	23	44	75	41	52	37	29	35	463
Difference from 2022-23	+2	-7	-5	+9	-14	-5	+14	-12	+13	-32	-6	-3	-46*

\*Year to date

**Emergency Medical Services** 

Total EMS Calls

14

**Dispatched as:** Priority 1: 6 **Transported as:** Priority 1: 3

Priority 2: 1 Priority 2: 4
Priority 3: 8 Priority 3: 6

**ALS Intercept Calls:** 0

Lift Assist Request (i.e.: patient fell and just needs help getting up off the floor):  $\,1\,$ 

Law Enforcement/Court-ordered Blood Draws: 4

<u>Life Support Activities</u> <u>EMS Breakdown</u>

Advanced Life Support: 10 Medical Call 13
Basic Life Support: 4 Car Crashes/Specialty Type 1

## Leland Township Fire Rescue December 2023 Monthly Report

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### Fire – Rescue Services

#### Total Fire-Rescue Calls 21

Building Fires	1
Chimney/Fuel Burner Fires	1
Vehicle Fire	0
Forest, Wildland, or Grass	0
Burning Complaint	0
Utility Problems (i.e.: Gas leak, power lines, CO, etc.)	6
Fire Alarm, Smoke Alarm, or Carbon Monoxide Alarm	2
Assist Law Enforcement	4
Lift Assist/Assist Invalid	1
Other	2
Cancelled en route to the call	4



Members of the public were invited to attend Leland Township Fire & Rescue's "Ladies Burn and Learn" symposium. Attendees learned about home fire protection, how to use a fire extinguisher, fire blankets, and other topics.

### **Mutual Aid / Automatic Aid**

Given: 6 calls Received: 2 call

### **Training**

Fire Personnel completed a total of **219.25 hours of classroom or practical training**. Personnel also completed **16.5 hours of online training** too. Training consisted of Human Relations Risk Reduction, Energy Storage Systems, Electric Vehicle Incidents & Lithium-ion Battery Fires, and Tanker Truck Water Shuttling.

### **Calls by Shift**

SHIFT	ASSIGNED PERSONNEL	CALLS FOR THE MONTH	SHIFT CALLS - YTD
RED	FF Morse, FF Pherson, & FF Calappi	6	106
GREEN	FF Rosselle, FF VanZandt, & FF Rossdeutcher	16	139
BLUE	Lieutenant Schelling, FF Johnson, & FF Hall	13	218

### **Zone Statistics**

ZONE	DECEMBER 2023	YEAR TO DATE
Box 501 – North	6	37
Box 502 – East	2	32
Box 503 – South (LL)	9	121
Box 504 – Southwest	2	28
Box 505 – West (Leland)	11	151
Box 506 – Fishtown	0	8
Mutual Aid – Out of Leland Township	5	86
TOTAL	35	463

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### **Overlapping Calls**

Overlapping calls are two or more calls occurring at the same time before the Duty Crew can respond to it. For instance, the Duty Crew could be responding to, arriving at, or at the scene of an incident when another call for service comes in. In 2022 we had an overlapping average of about 13.8% (as compared to 15.8% in 2021 and 11.9% in 2020). In December we had 2 overlapping calls for a total of **5.7%** of our calls. This year our overlapping calls average is **9.3%** (43 of 463).



Leland Township Fire & Rescue firefighters, along with firefighters from other agencies, listened to Leland Township resident, Scott Anderson, discuss the lithium-ion battery packs located in his vehicle.

### **Apparatus Responses:**

This chart identifies our top five (5) busiest apparatus for the month:

Apparatus Call Sign	Type of Vehicle	Number of Responses	
Alpha 592	2012 Dodge Ambulance	25	
Engine 512	2012 KME/Ford	17	
Alpha 591	2017 Ford Ambulance	5*	
Chief 501	2014 Ford Explorer - Command	5*	
Echo 595	2018 Ford Explorer – EMS Vehicle	5*	

<sup>\*=</sup>tied (if applicable)

### **Birthday Wishes:**

- Scott Moore 1/2
- Zorran VanZandt 1/6
- Tony Calappi 1/19
- Greg Thomas 1/19
- Dan Besson 1/27

### **Department Anniversaries:**

Members celebrating their LTFR service anniversaries in December were (years in parenthesis):

- J.P VanRaalte (39)
- Tony Calappi (1)

### **Call Staffing:**

This chart provides the duty crew staffing levels for the number of incidents. Our minimum is two (at least one Paramedic). Five calls involved the response of off-duty/paid-on-call staff.

- Two FFs on duty: 1Three FFs on duty: 28
- Four or more on duty: 6

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### Response Time Look-Back (Unaided Calls) – In Minutes: Seconds

	OCTOBER	NOVEMBER	NOVEMBER
2022	8:39	7:31	5:39
2023	6:00	6:05	7:01
Difference	2:39	1:26	-1:22

A small sample of how the staffing of the Leland Fire Station may impact our response time (dispatched to arrival on scene). Although there are many factors that impact response times.

### Vehicle Repair & Maintenance:

- Brake Drum issue and fuel cooler unit, noted during DOT inspection, on Ladder 531 was urgently handled by Grand Traverse Diesel in Traverse City.
- Oil changes handled on Utility 585 and Chief 501.

### Fire Prevention/Community Involvement:

- Filled up the Ice Rink in Leland.
- Hosted a Ladies' Burn and Learn symposium. Topics included home fire protection, battery-powered children's devices and toys, Christmas tree safety, and extinguisher/fire blanket training.



LTFR employees listened to Mike McCall, a nationally recognized presenter, discuss the challenges of reducing liability through good human resources practices.

- Replaced smoke alarms in two Leland Twp. homes.
- Set-up a booth at the St. Mary's Church Christmas
   event where we could interact with the public regarding fire prevention initiatives.
- Working with the building department to be informed when Energy Storage Systems are installed in Leland Township homes or businesses. This project is in progress.

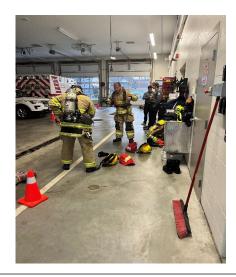
### **Miscellaneous Things Involving Our Department:**

• On December 24<sup>th</sup>, LTFR responded to the 200 block of North Popp Road for a chimney fire. Engine 511 responded from the Lake Leelanau fire station and Tanker 521 responded from the Leland fire station. Both stations were staff at the time of the incident. Engine 511 arrived within 4 minutes of getting dispatched to the call. There was an active chimney fire noted and no other smoke or fire noticed. Leland Twp. firefighters made entry to the house, removing the fire from the fireplace, and laddering the side of the house, with a 24-foot extension ladder, to gain access to the chimney. A dry-chem extinguisher was used to put out the embers and burning process. Glen Lake Ladder 331 was requested automatically to fill the box card assignment because Ladder 531 was out of service (brakes).

**Fire Chief Besson** 









Top: Leland Township Fire & Rescue Duty Crew Firefighters practiced their physical skills with a modified quick air-consumption drill inside the Leland Fire Station. The skill is designed to control their breathing during high stress or physical exertion and maintain their air usage for emergency purposes.

Below: Leland Township Firefighters continued to improve their craft, in December, by learning more about electric vehicles, energy storage systems, and lithium-ion fires. In the practical setting they also practiced getting water from a dry hydrant, operating in a tanker shuttle – carrying water several blocks away in a sequence so the tank never depleted, dumping the water into a portable tank, and returning for more water.

