



OLYMPIC VALLEY PUBLIC SERVICE DISTRICT



EXHIBIT G-1

6 Pages

FIRE DEPARTMENT REPORT

DATE: April 29, 2025
TO: District Board Members
FROM: Brad Chisholm, Fire Chief
SUBJECT: Fire Department Report – Information Only

BACKGROUND: The discussion section below provides information from the Fire Department regarding operations and activities that are not the subject of a separate report. This report is prepared to provide new information and recent progress only.

DISCUSSION: OVFD Information for **March 17 - April 22**

Training:

EMS: Cardiac Scenarios; Protocol Review; Chest Decompression; CQI; Child Abuse/Violence

Fire/Rescue: Company Officer; Pre-Fire Planning; MCI; SCBA/Air Management; Officer Task Book; Live Fire/Gas Appliance; CO; Ladders; Fire Control; Engineering; Hose Lines; MCI; District Familiarization

Public Education:

N/A

Fire Prevention/Inspections:

Residential DSI: 2; Commercial DSI: 1; Company Inspection: 6; Event Inspection: 1

Other: Driver/Operator Class; Rope Rescue Class; Radio interface planning with PCSO

Apparatus and Equipment:

R21 new Water Can and Irons; U221 Bed Box; Hydraulic Tools Annual Cleaning

Overtime (OT) & Forced Overtime (FOT) Hours:

Regular OT hours for Current period: 385.5

Forced OT hours for Current period: 58

Days this period at minimum (3) staffing: 9

Year to Date Total OT hours: 1,682

Emergency Calls:

Please see attached pages

Total calls for this period: 85

Year to Date 2025: 297 (YTD 2024: 277)

Notable Items:

Meetings: LTRFCA; Fuels update/strategy with Anne Gram (NFF); Weekly ESCI; TTAD; FD Staff; Strategic Plan; Managers; Cost Recovery; JPA Operations Chief; Palisades Tahoe; Cassie Walder (Laguna Beach Comms Director/part-time OV Resident); Fuels Funding w/ Nicole Miller (BlueForest)

Other: OVPSD Fire Sprinkler Ordinance - Review PPT; Carville-Rosser projects; Performance Evaluations; LTCC Fire Academy Commencement; ESCI site visit

Forthcoming: Fireside Fundraiser donation; Earth Day booth; OV MAC (Granite View project); Strike Team refresher; JPA Chiefs meeting; C200 Vacation

Staffing and Employment:

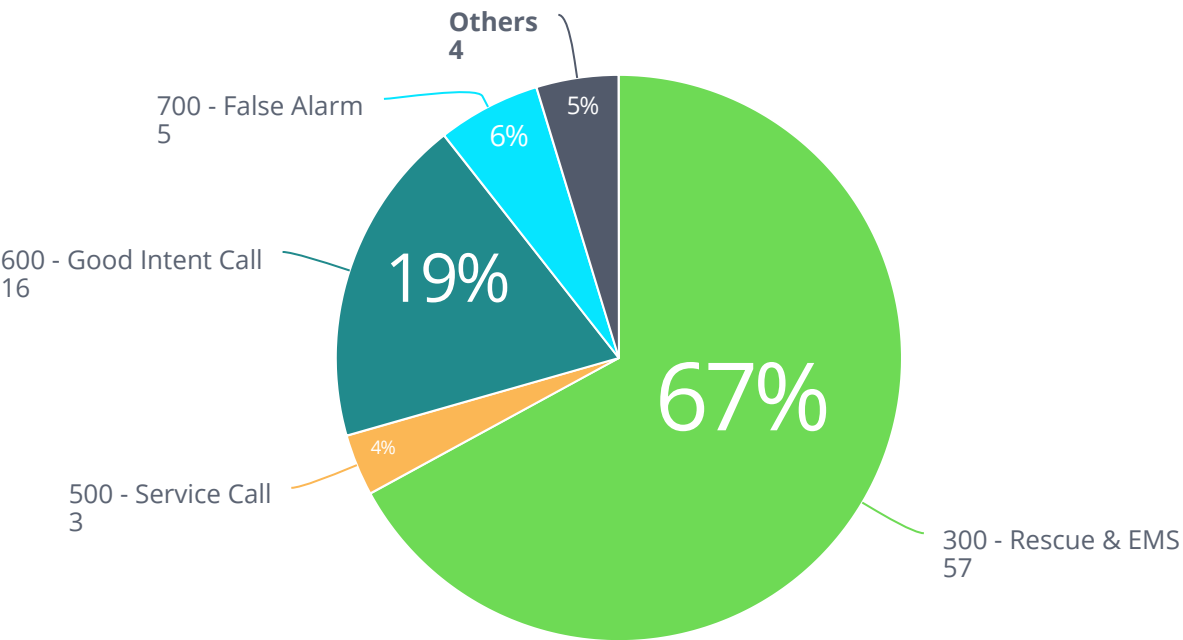
B-shift staffed with three likely through October.

ATTACHMENTS: Monthly and YTD Run Data; Residential Fire Sprinkler Ordinance PPT.

DATE PREPARED: April 23, 2025

Filter statement		
Filters	Date Range 3/16/25 to 4/22/25	

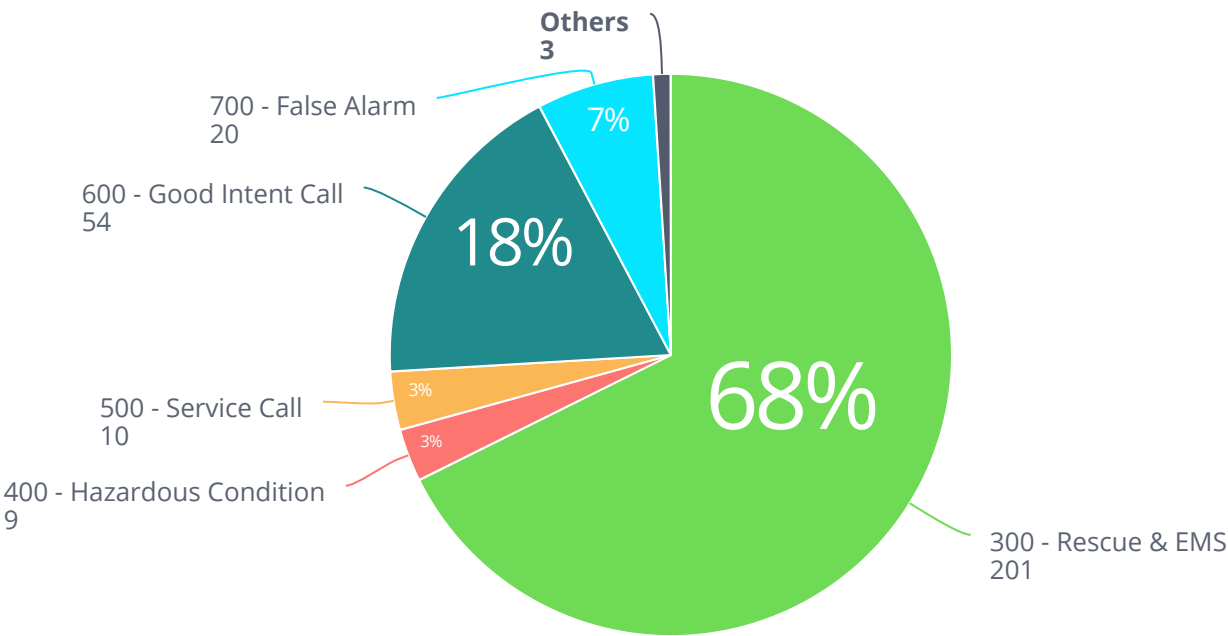
Call volume by incident type group



Filter statement

Filters **Date Range** 1/1/25 to 4/22/25

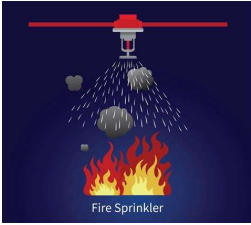
Call volume by incident type group



Total Incident Amount

297

Olympic Valley FD/PSD Residential Fire Sprinkler Ordinances, Standards and Codes



Fire Sprinkler

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Fire Sprinklers Criteria 1991-2017

OVPSD Ordinances 1991-2017:

The standard for automatic sprinkler system is designed using the following performance criteria:

- To allow building occupants to escape safely.
- To prevent flashovers.
- To limit internal structural damage and to confine the fire to the area of origin.
- To allow effective extinguishment of a fire with limited resources.
- To consider the arrival time for fire personnel due to inaccessibility or bad weather.
- To consider the availability of an adequate water supply at the site.

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Fire Sprinklers Criteria 2019-Current

California Health & Safety Code, Section 17958.7 Permits modifications due to local climatic, geologic or topographical conditions

- **Topographical Factors.** The District is located high in the Sierra Nevada Mountain Range. Olympic Valley is a classic Urban/Wildland Interface Area, which adds the responsibility and demands of both structural and wildland firefighting. Roads are, at times, closed due to weather and road repairs. Year-round tourism causes traffic congestion and can impede the ability of fire and EMS response.
- **Climatic Factors.** The District covers elevations from 6,000 to over 9,000 feet, with an annual average of 450 inches of snow. Summers can see thunderstorms/lightning with little rainfall. An increase in temperature decrease in humidity increases the likelihood and ease of combustion. Wet winters encourage undergrowth of vegetation that dries out in the summer and creates hazardous fuel conditions.

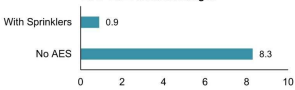
• The Board concludes that the findings are complete and adequate and approves necessary amendments.

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Fire Sprinklers Considerations

Figure 17. Civilian death rates per 1,000 fires in homes with sprinklers vs. with no AES: 2017-2021 annual averages



Category	Rate
With Sprinklers	0.9
No AES	8.3

Figure 19. Firefighter injury rates per 1,000 fires in homes with sprinklers vs. with no AES: 2017-2021 annual averages




Category	Rate
With Sprinklers	7
No AES	14

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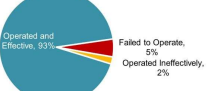
Fire Sprinklers Considerations

Figure 20. Rate of loss (in millions) per 1,000 fires in homes with sprinklers vs. with no AES: 2017-2021 annual averages



Category	Rate (Millions)
With Sprinklers	\$10.5
No AES	\$23.5

Figure 22. Sprinkler operation and effectiveness in home fires: 2017-2021 annual averages



Category	Percentage
Operated and Effective	93%
Failed to Operate	5%
Operated Ineffectively	2%

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Residential Automatic Fire Sprinklers Standards and Codes

International Code

- International Code Council (ICC)
- International Fire Code (IFC)

National Standards



- National Fire Protection Association (NFPA) standards.

State Code

- California Health & Safety Code
- Section 17958.7 Permits modifications due to local climatic, geologic or topographical conditions
- California Public Resource Code 4291
- Allows for governing conditions hazardous to life and property and fire or explosion


County Code

- Placer County Building Code






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OVFD/PSD Fire Sprinkler Ordinance History



Ordinance 1991-02
Required automatic fire sprinkler systems for any remodel in Group R-3 (Single Family Residential) occupancy resulting in a 20% or greater increase in floor area.


Ordinance 1998-01
Revised terminology from Group R, Division 3 to "one- or two-family dwelling," aligning with updated building code definitions.

Ordinance 2007-05
Required installation of automatic fire sprinkler systems under any of the following conditions:


- Additions or remodels that increase the floor area by 20% or more and result in a total area exceeding 4,200 square feet.
- Additions or remodels increasing the floor area by 20% or more when the property is unable to deliver a minimum of 1,000 gallons per minute fire flow.
- Demolition of an existing structure and replacement with a new or substantially new structure.

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OVFD/PSD Fire Sprinkler Ordinance History (cont.)



Ordinance 2016-02
"...all former ordinances (or parts thereof conflicting or inconsistent with the provisions of this ordinance) are hereby repealed."


Ordinance 2017-01
A change in occupancy classification would trigger sprinklers

Ordinance 2019-02


- Additions resulting in more than 20% ft²
- Remodels resulting in more than 50% ft²

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OVPSD Current Ordinance




Ordinance 2022-03

903.6 - Where required in existing buildings and structures (Amended). An automatic sprinkler system shall be provided in existing buildings and structures in any of the following situations:


1. Where required in Chapter 11 (CFC)
2. Where an existing building or structure undergoes a change of occupancy, and the occupancy classification changes.
3. Where additions are made to existing buildings or structures, and the total floor area exceeds the floor area of the original structure by more than 20 percent.
4. Where remodel, alteration or repairs to an existing building involve more than 50 percent of the gross floor area of the building, or more than 50 percent of the exterior bearing walls.

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Regional Fire Department Comparisons




Northstar FD
Additions to existing structures and the total floor area exceeds the floor area of the original structure by more than 20%

Truckee FPD
Additions to the existing floor area if increased >50% and the new additional floor area exceeds 2,000 ft²


North Tahoe FPD
Increase in the Total Fire Area of the original structure >50% and the new additional floor area exceeds 3,600 ft² for R3 occupancies including attached garage

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Considerations



Projects in Olympic Valley that triggered sprinklers (2019-Current)

- Three, averaging 52% (two were addition/remodel)
- One pending, at 63%

Example floor area increases

- 20% of 2,000 = 400 sf
- 20% of 3,000 = 600 sf
- 15'x15' bedroom = 225 sf

Placer County Accessory Dwelling Unit (ADU)

- Attached ADU may be up to 50% of the existing living area of the primary residence
- Detached ADU is limited to 1,200 ft²
- ADUs do have restrictions (Required: some degree of Bath and Kitchen)

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Recommendation



This ordinances, approved by Placer County Board of Supervisors and in a region designated as a VHFHSZ, is to protect the home-owner, their neighbors and the environment.

After a thorough evaluation of the Olympic Valley FD/PSD Fire Sprinkler Ordinances, Staff recommends recognizing the high standard that has been set for Defensible Space and Home Hardening and continue to apply it to Residential Fire Sprinkler requirements.



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