

LOWER MACUNGIE FIRE DEPARTMENT

P.O. Box 3002 - WESCOSVILLE, PA 18106
WWW.FIRESTATION30.ORG

STATISTICAL YEAR IN REVIEW:

2017

BRANDYWINE STATION
6229 SAUERKRAUT LANE
(610) 965-7797



WESCOSVILLE STATION
958 BROOKSIDE ROAD
(610) 398-0996

2017 POINTS OF INTEREST:

- Total responses for LMFD: 480 (down from 484 in 2016)
- 382 responses in LMT and 98 responses outside LMT
- Of the 480 responses; 165 (34%) were false alarms (165 false alarms in 2016)
- Average turnout per incident: 14 (down from 15 members per incident in 2016)
- Average response time: 4 min 15 sec (4 min 27 sec in 2016)
- Busiest hour of the day: 1200 – 1300 hours with 36 responses (7%)
- Busiest day of the week: Friday with 79 responses (16%)
- Total hours: 12,039.57 with staff of 45 (down from 12,241.50 in 2016 / staff of 47)
- Total responses by Alburtis Fire Dept.: 13 handled / 45 assists / total of 58
- Total responses by Emmaus Fire Dept.: 0 handled / 5 assists / total of 5
- Total responses by Macungie Fire Dept.: 3 handled / 9 assists / total of 12
- Total responses by Upper Macungie Fire Depts.: 4 handled / 28 assists / total of 32
- Total responses by Western Salisbury Fire Dept.: 1 handled / 7 assists / total of 8
- Total fire responses (all fire depts..) within LMT: 403 (down from 455 in 2016)
- Total all fire assists within LMT: 115 (up from 107 in 2016)

Lower Macungie Fire Department

Average Turnout per Incident

Alarm Date Between {01/01/2017} And {12/31/2017}
and Incident Number Between "17-0000001" And
"17-0000480"

Total Number of Incidents	480	Total Number of Responding Personnel	6587
Average Turnout per Incident		14	

Lower Macungie Fire Department

Type of Alarm Report (Summary)

Alarm Date Between {01/01/2017} And {12/31/2017}
and Incident Number Between "17-0000001" And
"17-0000480"

Type of Alarm	Count	Percent
A1 AFA - Residential False	61	12.70%
A2 AFA - Commercial False	71	14.79%
A3 AFA - Apartment Complex False	4	0.83%
A4 AFA - Water Flow False	5	1.04%
A5 AFA - CO Alarm False	17	3.54%
A6 AFA - Extended Care Facility False	7	1.45%
C0 Crash - Other	1	0.20%
C1 Crash - Injuries	17	3.54%
C2 Crash - Rescue	3	0.62%
C3 Crash - Motorcycle	2	0.41%
C4 Crash - Bicycle	2	0.41%
C5 Crash - Pedestrian	8	1.66%
C6 Crash - Clean-up/Spill (no injuries)	3	0.62%
C7 Crash - Fatal	3	0.62%
D0 Dwelling - Other	3	0.62%
D1 Dwelling - Appliance/HVAC	9	1.87%
D2 Dwelling - Electrical	10	2.08%
D3 Dwelling - Garage	1	0.20%
D5 Dwelling - Attic	1	0.20%
D6 Dwelling - Kitchen	3	0.62%
D7 Dwelling - Chimney/Fireplace	2	0.41%
D9 Dwelling - CO/Gas/Odor/Smoke	19	3.95%
E0 Assist - Other	3	0.62%
E1 Assist - EMS Lifting	7	1.45%
E2 Assist - EMS Medical Event	5	1.04%
E3 Assist - Police	1	0.20%
E4 Assist - Citizen - Water Evacuation	1	0.20%
E5 Assist - Citizen - Lock Out	3	0.62%
E8 Assist - EMS AED fill in	2	0.41%
FP Fire Police Only / Traffic Control	16	3.33%
H0 Haz-Mat - Other	1	0.20%
H1 Haz-Mat - Fuel Spill	3	0.62%
N0 Apartment Building - Other	1	0.20%
N1 Apartment Building - Appliance/HVAC	1	0.20%
N9 Apartment Building - CO/Gas/Odor/Smoke	4	0.83%
O0 Outside - Other	13	2.70%
O1 Outside - Brush	5	1.04%
O2 Outside - Controlled Burn	5	1.04%
O3 Outside - Rubbish	3	0.62%
O6 Outside - Smoke Investigation	1	0.20%
O7 Outside - Odor Investigation	6	1.25%
O8 Outside - Gas Line Struck	1	0.20%

Lower Macungie Fire Department

Type of Alarm Report (Summary)

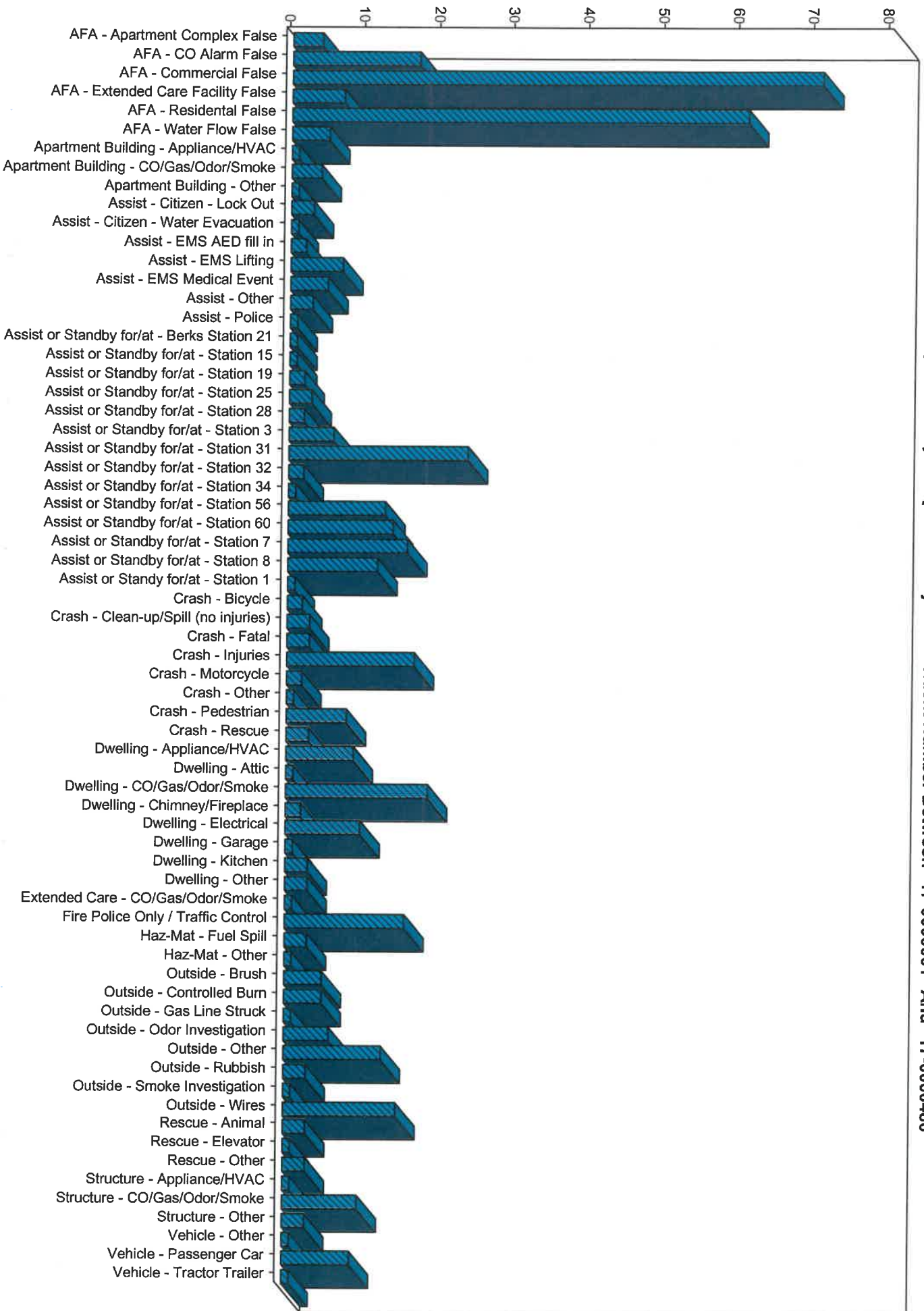
Alarm Date Between {01/01/2017} And {12/31/2017}
and Incident Number Between "17-0000001" And
"17-0000480"

Type of Alarm	Count	Percent
O9 Outside - Wires	15	3.12%
R0 Rescue - Other	3	0.62%
R5 Rescue - Elevator	1	0.20%
R6 Rescue - Animal	3	0.62%
S0 Structure - Other	3	0.62%
S1 Structure - Appliance/HVAC	1	0.20%
S9 Structure - CO/Gas/Odor/Smoke	10	2.08%
V0 Vehicle - Other	1	0.20%
V1 Vehicle - Passenger Car	9	1.87%
V2 Vehicle - Tractor Trailer	1	0.20%
X9 Extended Care - CO/Gas/Odor/Smoke	1	0.20%
Y1 Assist or Standby for/at - Station 1	1	0.20%
Y2 Assist or Standby for/at - Station 3	6	1.25%
Y3 Assist or Standby for/at - Station 7	16	3.33%
Y4 Assist or Standby for/at - Station 8	12	2.50%
Y5 Assist or Standby for/at - Station 15	1	0.20%
Y6 Assist or Standby for/at - Station 25	3	0.62%
Y7 Assist or Standby for/at - Station 31	24	5.00%
Y8 Assist or Standby for/at - Station 60	14	2.91%
YA Assist or Standby for/at - Station 19	2	0.41%
YC Assist or Standby for/at - Station 28	2	0.41%
YD Assist or Standby for/at - Station 32	2	0.41%
YE Assist or Standby for/at - Station 56	13	2.70%
YH Assist or Standby for/at - Berks Station 21	1	0.20%
YI Assist or Standby for/at - Station 34	1	0.20%

Total Incident Count: 480

Alarm Date Between {01/01/2017} And {12/31/2017} and Incident Number Between "17-0000001" And "17-0000480"

Alarm Type



Lower Macungie Fire Department

Departmental Activity Report

Current Period: 01/01/2017 to 12/31/2017, Prior Period: 01/01/2016 to 12/31/2016

00:00 to 24:00

Stations: 30,80,81

All Shifts

All Units

Fire Alarm Responses, Training Classes, Activities (Non-Incident), Departmental Events

Category	Current Period		Prior Period	
	Count	Staff Hrs	Count	Staff Hrs
Fire Alarm Situations				
Accident, potential accident	1	3.60	2	10.32
Animal problem or rescue	3	12.71	2	27.22
Chemical release, reaction, or toxic	5	41.87	5	30.04
Combustible/flammable spills & leaks	18	146.44	14	103.27
Controlled burning	0	0.00	2	10.02
Cover assignment, standby at fire station,	14	266.88	16	419.94
Dispatched and cancelled en route	48	75.61	41	61.21
Electrical wiring/equipment problem	36	278.12	28	171.33
Emergency medical service (EMS) Incident	39	345.56	42	543.93
Excessive heat, scorch burns with no	1	8.36	0	0.00
Extrication, rescue	9	132.48	9	213.92
False alarm and false call, Other	1	4.20	0	0.00
Good intent call, Other	31	133.39	24	128.87
Hazardous condition, Other	4	40.41	4	22.31
Lock-In	1	3.60	1	6.70
Malicious, mischievous false alarm	1	4.73	0	0.00
Medical assist	11	39.59	23	179.26
Mobile property (vehicle) fire	4	58.79	12	105.66
Natural vegetation fire	10	80.10	24	222.66
Outside rubbish fire	3	21.02	0	0.00
Person in distress	2	4.68	1	3.00
Public service assistance	22	108.66	18	89.59
Service call, Other	3	11.06	1	4.60
Severe Weather & Natural Disaster	2	11.46	0	0.00
Smoke, odor problem	4	27.32	1	2.28
Special outside fire	3	13.25	1	30.40
Steam, Other gas mistaken for smoke	0	0.00	3	13.96
Structure Fire	21	549.65	27	853.67
System or detector malfunction	61	256.20	58	241.96
Unauthorized burning	4	15.31	3	6.17
Unintentional system/detector operation	105	260.11	110	276.86
Water or ice-related rescue	1	4.40	2	44.45
Water problem	4	25.69	5	71.92
Wrong location, no emergency found	8	28.17	5	17.42
	480	3,013.42	484	3,912.94

* Staff hours for Fire Alarm responses that have an associated EMS alarm record are considered shared hours. Shared hours are posted only with the EMS alarm responses to avoid duplication of staff hours in totals.

Lower Macungie Fire Department

Departmental Activity Report

Current Period: 01/01/2017 to 12/31/2017, Prior Period: 01/01/2016 to 12/31/2016

00:00 to 24:00

Stations: 30,80,81

All Shifts

All Units

Fire Alarm Responses, Training Classes, Activities (Non-Incident), Departmental Events

Category	Current Period		Prior Period	
	Count	Staff Hrs	Count	Staff Hrs
Non-Incident Activities				
Fire Call	0	0.00	1	0.50
Fire Police - County Meeting	2	123.50	5	14.00
Fire Prevention	126	390.72	113	341.29
Meeting	418	704.72	487	710.99
School	330	2,213.00	242	1,547.75
Training	1	0.33	11	33.00
Work Detail	1,518	2,058.69	1,677	2,468.29
	<u>2,395</u>	<u>5,490.96</u>	<u>2,536</u>	<u>5,115.82</u>
Training				
Training	1,337	3,535.19	1,281	3,212.74
	<u>1,337</u>	<u>3,535.19</u>	<u>1,281</u>	<u>3,212.74</u>

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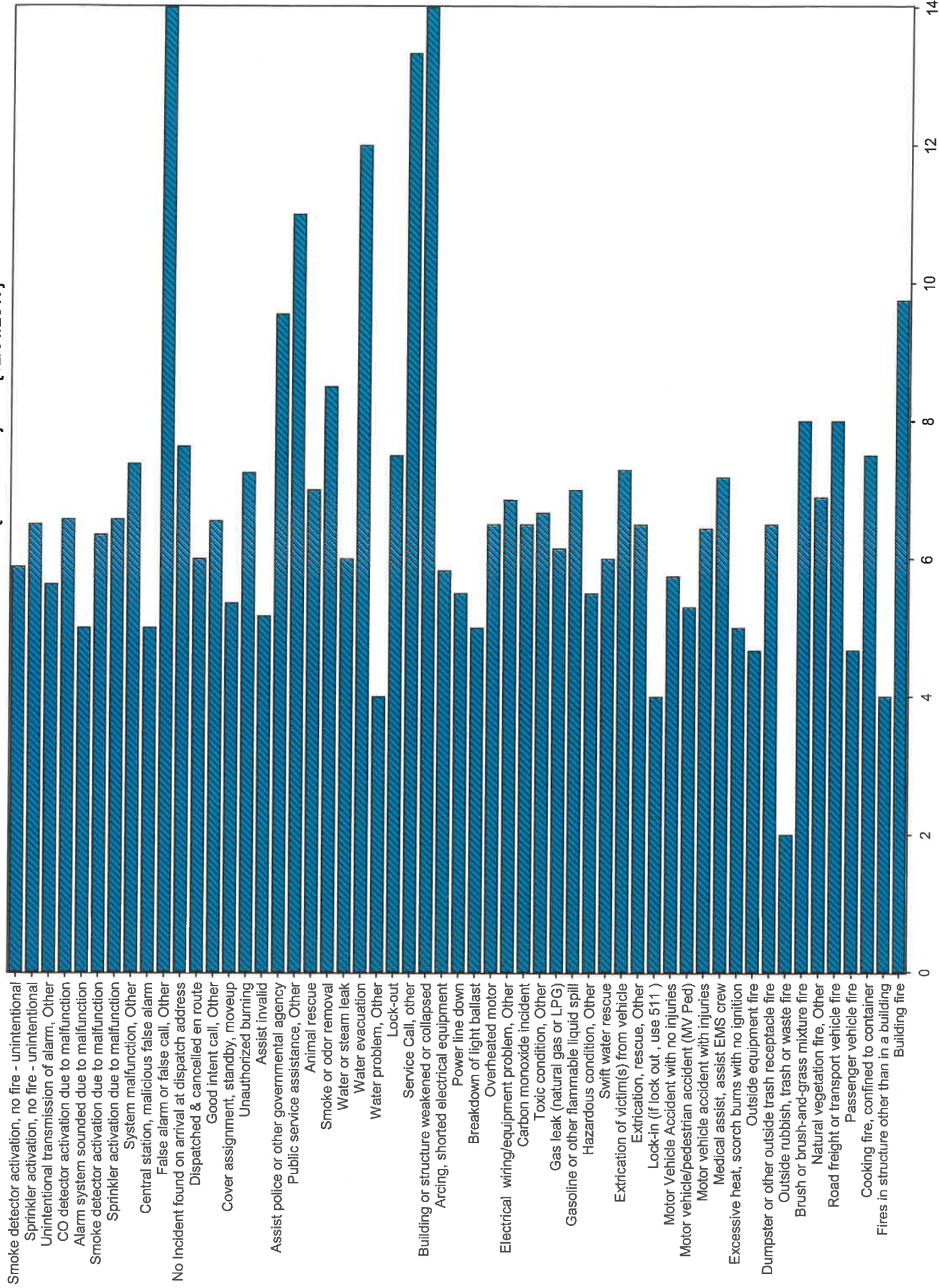
Unit Response Time Analysis

Alarm Date Between {01/01/2017} And {12/31/2017}

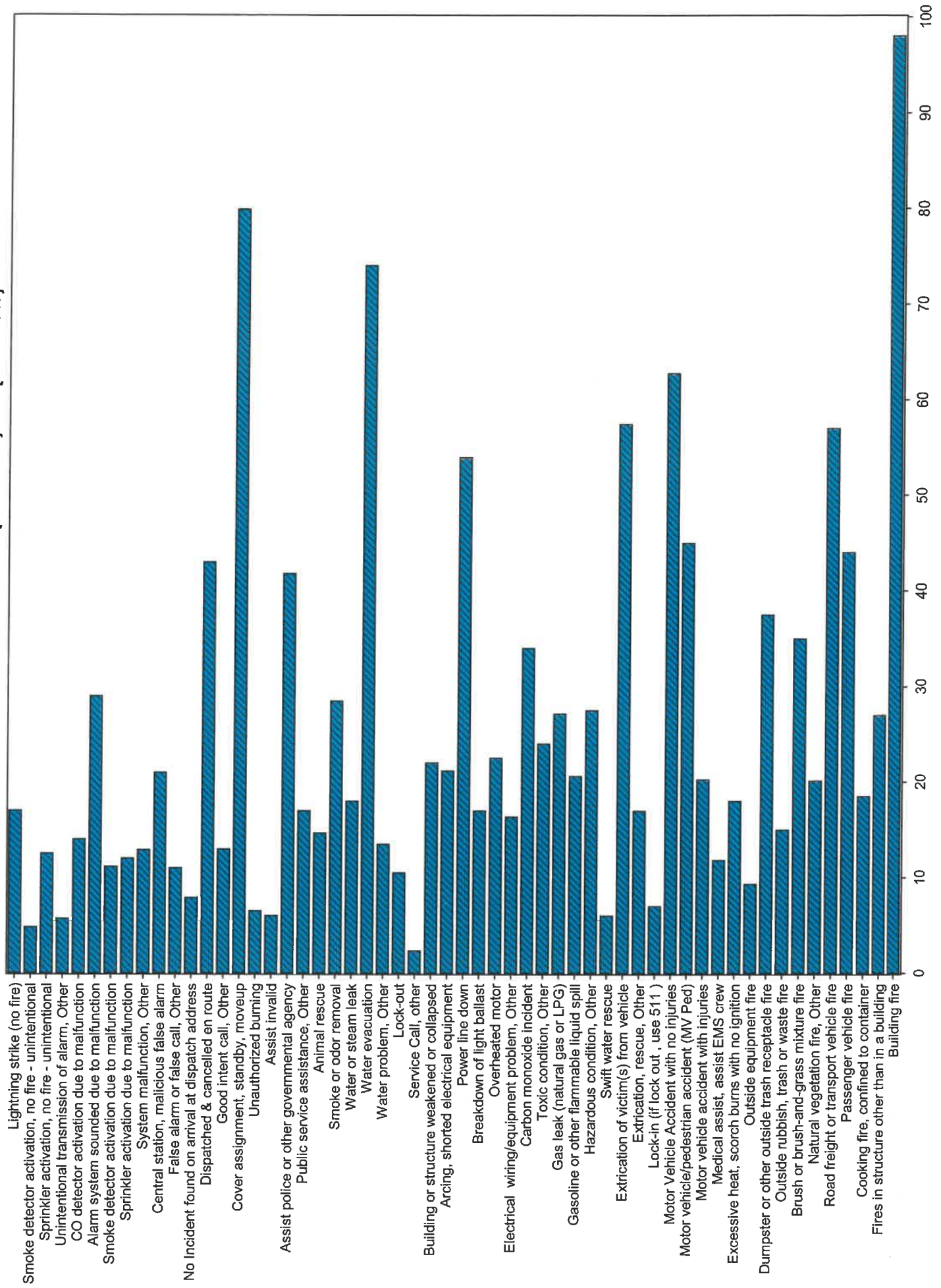
Response		Count	Percentage
Hrs	Mins		
	< 01	33	4.1%
	01	46	5.7%
	02	117	14.5%
	03	138	17.1%
	04	130	16.1%
	05	128	15.9%
	06	83	10.3%
	07	47	5.8%
	08	41	5.0%
	09	12	1.4%
	10	22	2.7%
	11	3	0.3%
	12	1	0.1%
	13	1	0.1%
	14	2	0.2%

Overall Average Response Time: 00:04:15

Average Minutes to Respond by Incident Type
Alarm Date Between {01/01/2017} And {12/31/2017}



Average Minutes on Scene by Incident Type
Alarm Date Between {01/01/2017} And {12/31/2017}



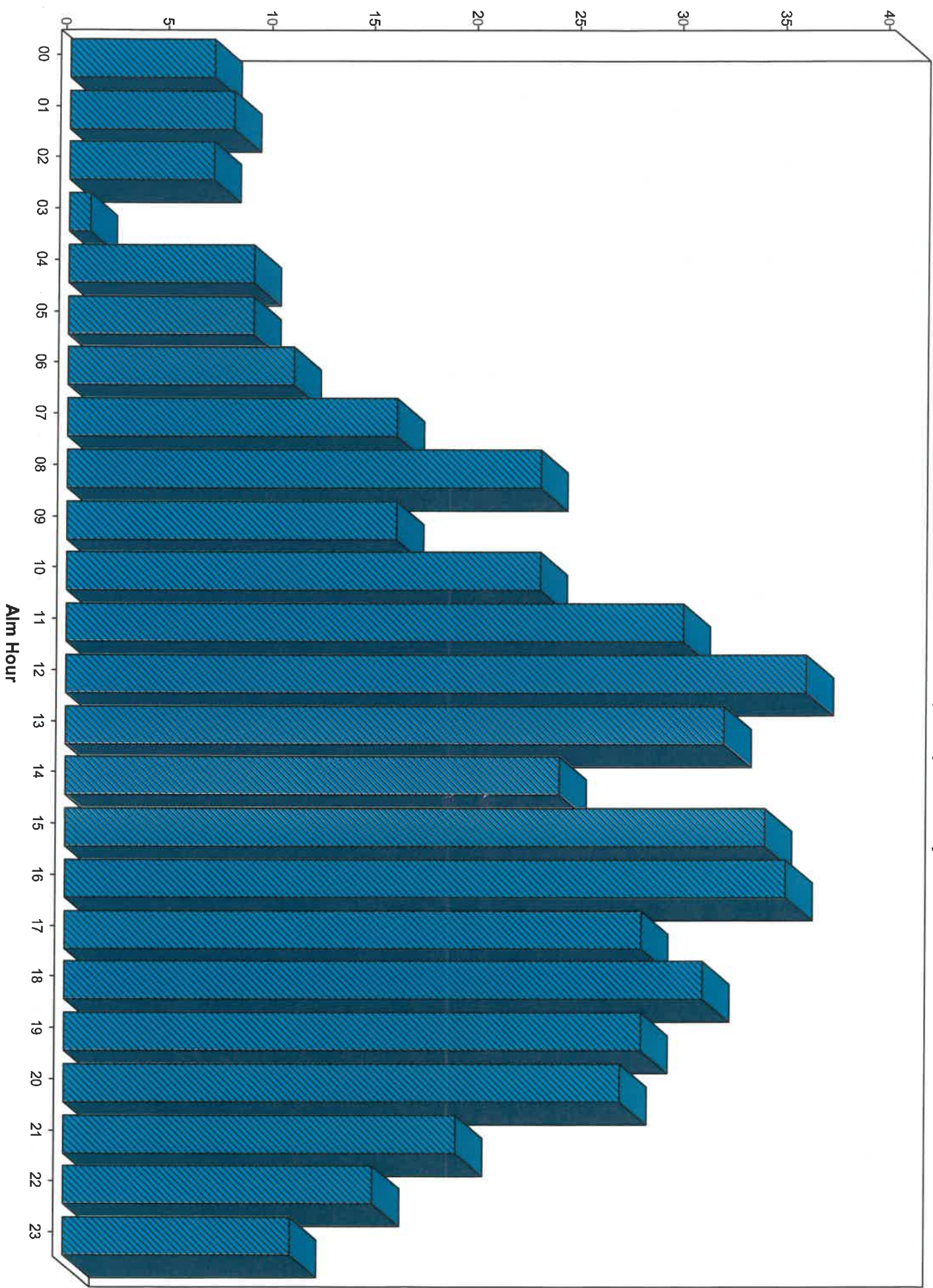
Lower Macungie Fire Department

Alarm Time Analysis

Alarm Date Between {01/01/2017} And {12/31/2017}

Alarm Hour	Count	Percent
00:00	7	1.45 %
01:00	8	1.66 %
02:00	7	1.45 %
03:00	1	0.20 %
04:00	9	1.87 %
05:00	9	1.87 %
06:00	11	2.29 %
07:00	16	3.33 %
08:00	23	4.79 %
09:00	16	3.33 %
10:00	23	4.79 %
11:00	30	6.25 %
12:00	36	7.50 %
13:00	32	6.66 %
14:00	24	5.00 %
15:00	34	7.08 %
16:00	35	7.29 %
17:00	28	5.83 %
18:00	31	6.45 %
19:00	28	5.83 %
20:00	27	5.62 %
21:00	19	3.95 %
22:00	15	3.12 %
23:00	11	2.29 %

Count of Incidents by Alarm Hour
Alarm Date Between {01/01/2017} And {12/31/2017}



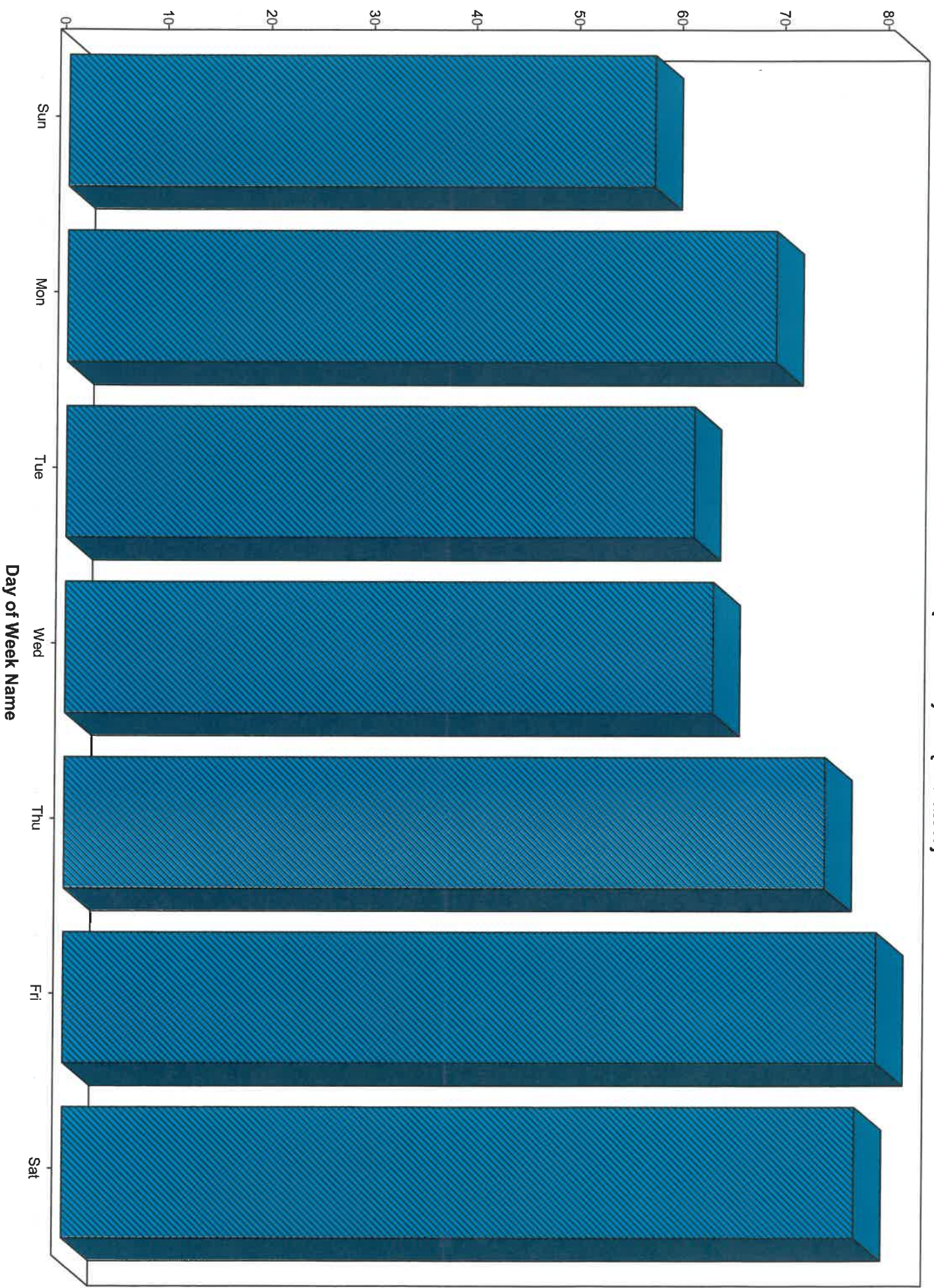
Lower Macungie Fire Department

Incidents by Day of Week/Shift

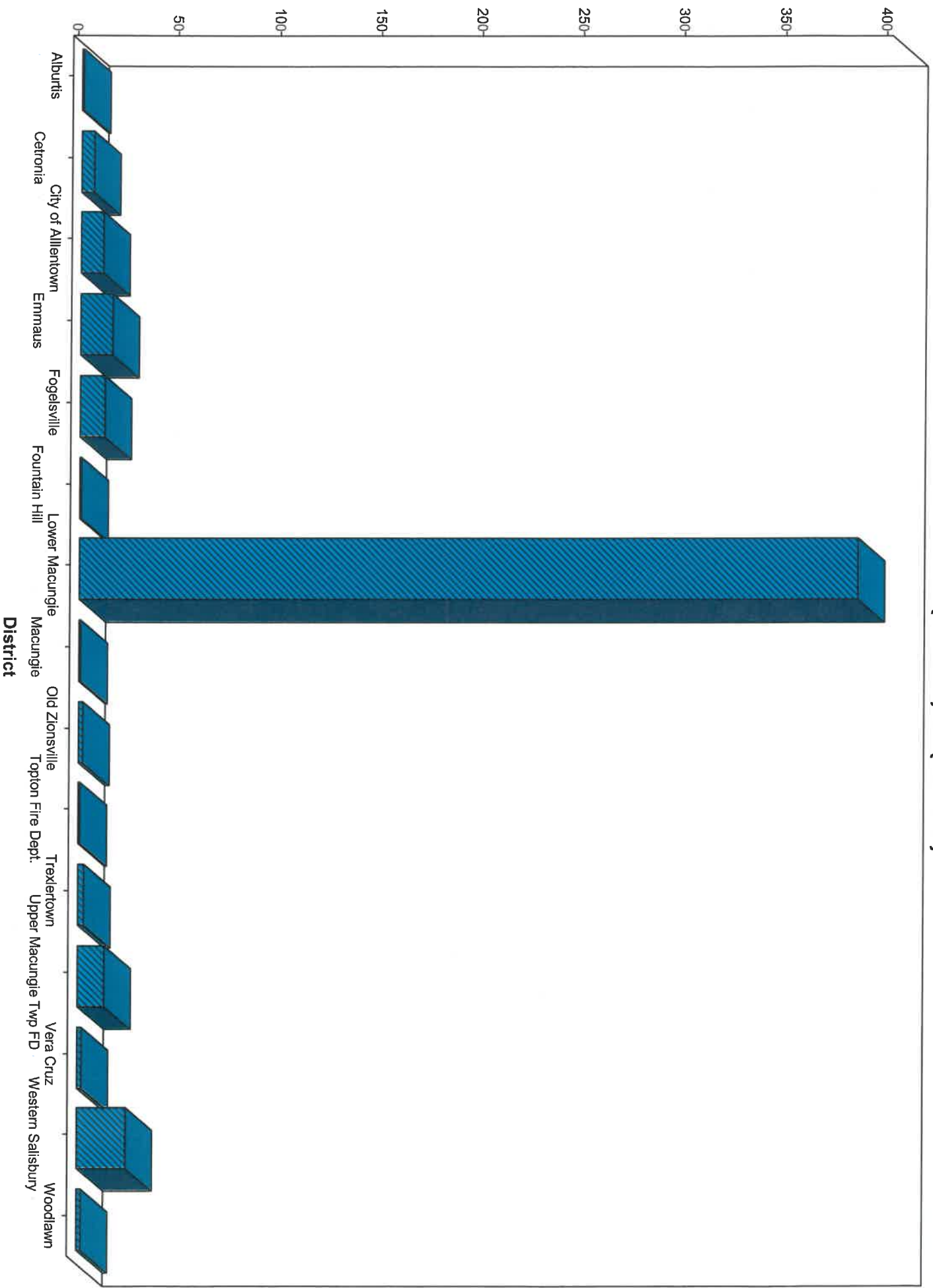
Alarm Date Between {01/01/2017} And {12/31/2017}

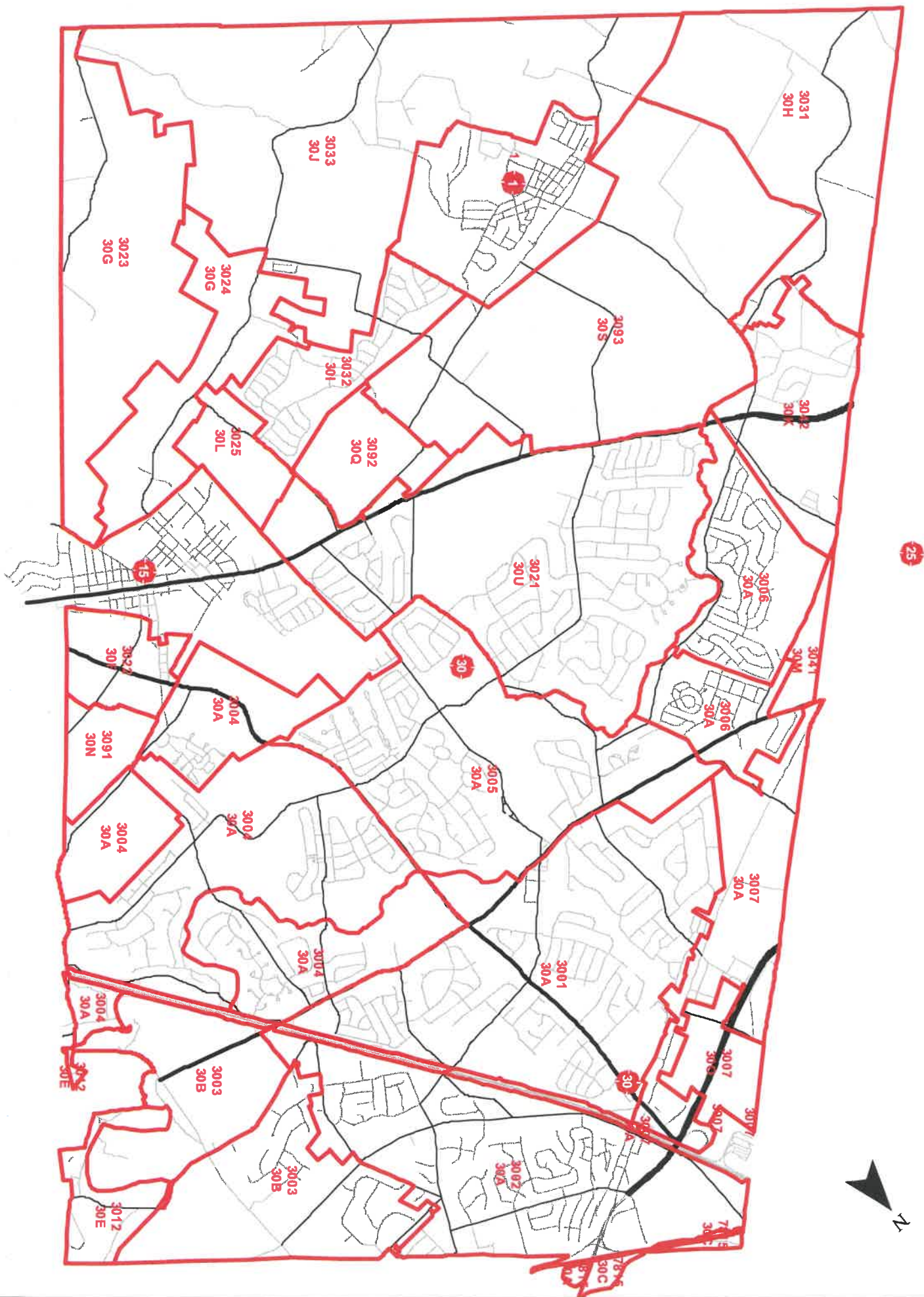
Day/Shift	Count	Pct
Sunday		
* < No Shift Specified >	57	11.87 %
	<u>57</u>	<u>11.87 %</u>
Monday		
* < No Shift Specified >	69	14.37 %
	<u>69</u>	<u>14.37 %</u>
Tuesday		
* < No Shift Specified >	61	12.70 %
	<u>61</u>	<u>12.70 %</u>
Wednesday		
* < No Shift Specified >	63	13.12 %
	<u>63</u>	<u>13.12 %</u>
Thursday		
* < No Shift Specified >	74	15.41 %
	<u>74</u>	<u>15.41 %</u>
Friday		
* < No Shift Specified >	79	16.45 %
	<u>79</u>	<u>16.45 %</u>
Saturday		
* < No Shift Specified >	77	16.04 %
	<u>77</u>	<u>16.04 %</u>

Incident Responses by Day of Week
Alarm Date Between {01/01/2017} And {12/31/2017}



Incidents by District
Alarm Date Between {01/01/2017} And {12/31/2017}





	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
BOX:													
30-01	5	2	3	3	3	5	4	3	6	6	5	5	50
30-02	5	2	4	3	4	4	4	2	2	3	1	5	39
30-03	3	1	1	3	4	4	2	2	4	4	1	3	25
30-04	6	3	1	6	4	4	1	4	1	2	3	6	41
30-05	1	2	2	1	2	2	1	1	2	1	2	5	16
30-06	5	7	4	2	6	2	4	3	6	5	9	4	57
30-07	6	7	3	4	5	7	12	7	9	8	3	3	74
30-08	1			1	2	1		2	1	1	1	3	13
30-11													
30-12					1		1			1			3
30-21	2	1			1	1	3	1		1		3	12
30-22					1			4			1		6
30-23							1						1
30-24													2
30-25	1	1				1							1
30-31													0
30-32								2			1		3
30-33		1		1				1					3
30-41			1	2	2	1		2		1			9
30-42	1	1						2					4
30-43			1										1
30-92			2	1			1						2
30-93	1		1	4	2	1	1	1					5
30-94		2									1		
78-15					1							3	4
LMT TOTAL:	37	28	23	27	31	33	34	37	31	33	28	40	382 LMT TOTAL
2017 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - STATION 30													
											grand totals:		382

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