

# LOWER MACUNGIE FIRE DEPARTMENT

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

## STATISTICAL YEAR IN REVIEW:

# 2018

(BRANDYWINE AND WESCOSVILLE STATIONS)

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**BRANDYWINE STATION**  
6229 SAUERKRAUT LANE  
(610) 965-7797



**WESCOSVILLE STATION**  
958 BROOKSIDE ROAD  
(610) 398-0996

## 2018 POINTS OF INTEREST:

STATISTIC:	2018:	2017:	% CHANGE:
Total LMFD responses:	605	480	+26%
Responses Inside LMT:	501	382	+31%
Responses Outside of LMT:	104	98	+6%
False Alarms (*1)	206	165	+25%
Average Turnout per Incident (*2):	7/station	14	0%
Average Response Time:	4m45s	4m15s	+11%
Busiest Hour of the Day:	1400-1500	1200-1300	N/A
Busiest Day of the Week:	Friday	Friday	N/A
Total Person Hours:	12,775.15	12,039.57	+6%
Total Assists by Alburtis FD (*3):	137	58	+136%
Total Assists by Emmaus FD:	5	5	0%
Total Assists by Macungie FD:	6	12	-50%
Total Assists by Upper Macungie FDs:	28	32	-13%
Total Assists by Western Salisbury FD:	6	8	-25%

\*1 = Includes faulty carbon monoxide (CO) detector activations of which there were 14 (17 in 2017).

\*2 = In 2017, the LMFD operated as one single station; meaning both Wescosville and Brandywine Stations were dispatched together on all calls. In 2018, we separated the 2 stations and they were dispatched independently of one another as is the fire-police component of the Department. The 2018 total is the average turnout per incident per individual station (excluding fire-police). Fire-police average 4 members per call dispatched to.

\*3 = In 2018, as a result of the merger decision, the Alburtis FD role in LMT was vastly expanded in order to mimic the post merge response set up. This allowed LMFD and AFD to begin working together immediately out in the field on emergency responses in order to get better acclimated with one another. This is why you see a 136% increase of AFD into LMT.

Lower Macungie Fire Department

Average Turnout per Incident

Alarm Date Between {01/01/2018} And {12/31/2018}

Total Number of Incidents	605	Total Number of Responding Personnel	6382
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Average Turnout per Incident	11
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Lower Macungie Fire Department

Type of Alarm Report (Summary)

Alarm Date Between {01/01/2018} And {12/31/2018}

Type of Alarm	Count	Percent
A1 AFA - Residential False	89	14.71%
A2 AFA - Commercial False	59	9.75%
A3 AFA - Apartment Complex False	9	1.48%
A4 AFA - Water Flow False	18	2.97%
A5 AFA - CO Alarm False	14	2.31%
A6 AFA - Extended Care Facility False	17	2.80%
B1 Bomb Scare - Residentail False	1	0.16%
C0 Crash - Other	5	0.82%
C1 Crash - Injuries	33	5.45%
C2 Crash - Rescue	4	0.66%
C3 Crash - Motorcycle	5	0.82%
C5 Crash - Pedestrian	1	0.16%
C6 Crash - Clean-up/Spill (no injuries)	4	0.66%
C7 Crash - Fatal	1	0.16%
D0 Dwelling - Other	2	0.33%
D1 Dwelling - Appliance/HVAC	14	2.31%
D2 Dwelling - Electrical	5	0.82%
D3 Dwelling - Garage	2	0.33%
D6 Dwelling - Kitchen	1	0.16%
D7 Dwelling - Chimney/Fireplace	2	0.33%
D9 Dwelling - CO/Gas/Odor/Smoke	23	3.80%
E0 Assist - Other	5	0.82%
E1 Assist - EMS Lifting	10	1.65%
E2 Assist - EMS Medical Event	9	1.48%
E3 Assist - Police	4	0.66%
E4 Assist - Citizen - Water Evacuation	8	1.32%
E5 Assist - Citizen - Lock Out	2	0.33%
E8 Assist - EMS AED fill in	4	0.66%
E9 Assist - Search	1	0.16%
FP Fire Police Only / Traffic Control	29	4.79%
H1 Haz-Mat - Fuel Spill	2	0.33%
N0 Apartment Building - Other	1	0.16%
N1 Apartment Building - Appliance/HVAC	2	0.33%
N6 Apartment Building - Kitchen	1	0.16%
N9 Apartment Building - CO/Gas/Odor/Smoke	6	0.99%
O0 Outside - Other	26	4.29%
O1 Outside - Brush	1	0.16%
O2 Outside - Controlled Burn	2	0.33%
O3 Outside - Rubbish	3	0.49%
O6 Outside - Smoke Investigation	1	0.16%
O7 Outside - Odor Investigation	10	1.65%
O9 Outside - Wires	22	3.63%
R0 Rescue - Other	1	0.16%
R5 Rescue - Elevator	1	0.16%

Lower Macungie Fire Department

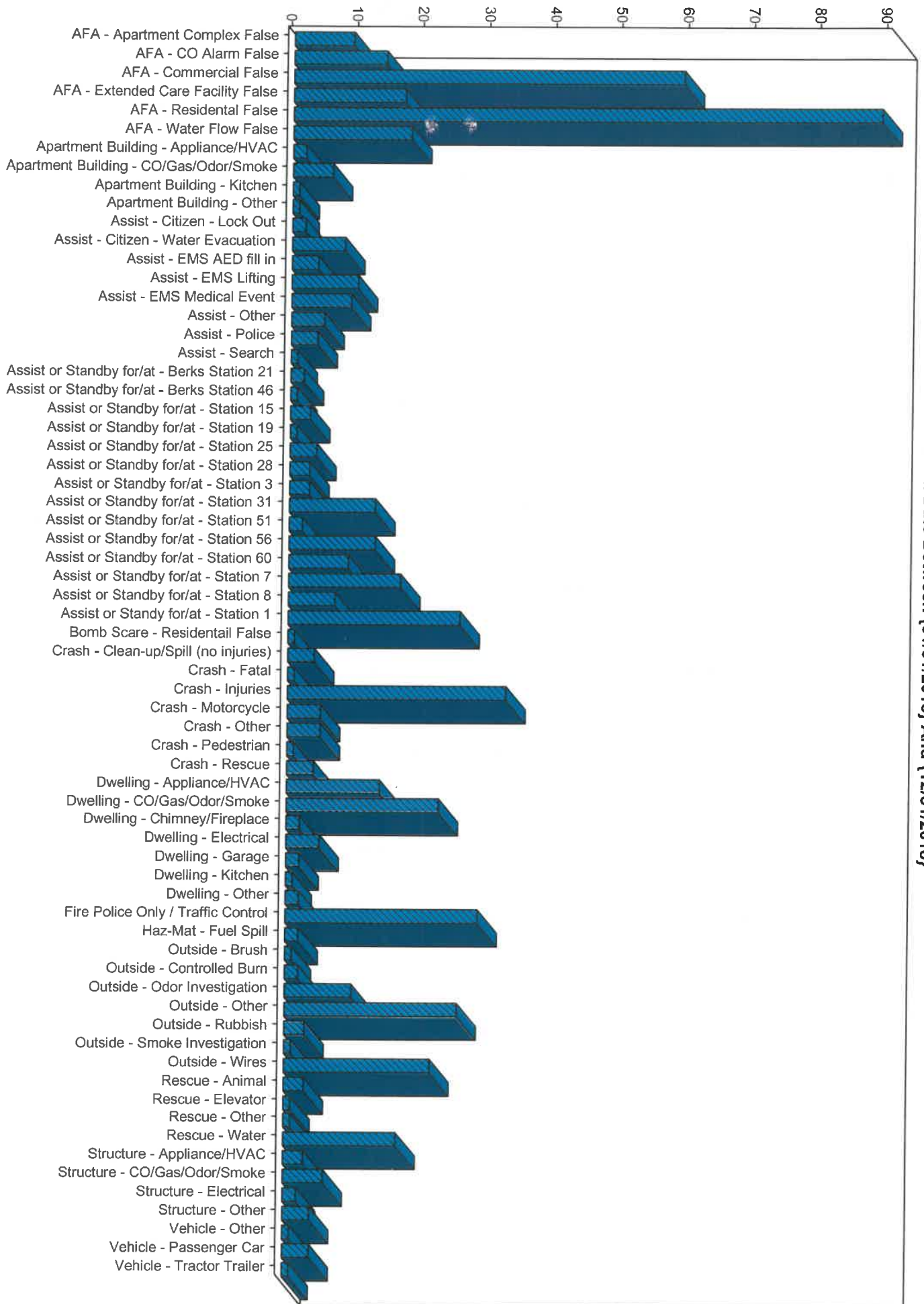
Type of Alarm Report (Summary)

Alarm Date Between {01/01/2018} And {12/31/2018}

Type of Alarm	Count	Percent
R6 Rescue - Animal	3	0.49%
R7 Rescue - Water	17	2.80%
S0 Structure - Other	4	0.66%
S1 Structure - Appliance/HVAC	3	0.49%
S2 Structure - Electrical	2	0.33%
S9 Structure - CO/Gas/Odor/Smoke	6	0.99%
V0 Vehicle - Other	1	0.16%
V1 Vehicle - Passenger Car	4	0.66%
V2 Vehicle - Tractor Trailer	1	0.16%
Y1 Assist or Standby for/at - Station 1	26	4.29%
Y2 Assist or Standby for/at - Station 3	3	0.49%
Y3 Assist or Standby for/at - Station 7	17	2.80%
Y4 Assist or Standby for/at - Station 8	7	1.15%
Y5 Assist or Standby for/at - Station 15	3	0.49%
Y6 Assist or Standby for/at - Station 25	4	0.66%
Y7 Assist or Standby for/at - Station 31	13	2.14%
Y8 Assist or Standby for/at - Station 60	9	1.48%
YA Assist or Standby for/at - Station 19	1	0.16%
YC Assist or Standby for/at - Station 28	3	0.49%
YE Assist or Standby for/at - Station 56	13	2.14%
YF Assist or Standby for/at - Station 51	2	0.33%
YH Assist or Standby for/at - Berks Station 21	2	0.33%
YJ Assist or Standby for/at - Berks Station 46	1	0.16%

Total Incident Count: 605

Alm Type



Type of Alarm Summary Graph  
Alarm Date Between {01/01/2018} And {12/31/2018}

# Lower Macungie Fire Department

## Departmental Activity Report

Current Period: 01/01/2018 to 12/31/2018, Prior Period: 01/01/2017 to 12/31/2017

00:00 to 24:00

Stations: 30,80,81

All Shifts

All Units

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

Category	Current Period		Prior Period	
	Count	Staff Hrs	Count	Staff Hrs
<b>Fire Alarm Situations</b>				
Accident, potential accident	3	6.94	1	3.60
Animal problem or rescue	3	5.32	3	12.71
Bomb scare	1	10.79	0	0.00
Chemical release, reaction, or toxic	10	53.68	5	41.87
Combustible/flammable spills & leaks	11	101.73	18	146.44
Cover assignment, standby at fire station,	10	212.91	14	266.88
Dispatched and cancelled en route	66	76.01	48	75.61
Electrical wiring/equipment problem	40	222.77	36	278.12
Emergency medical service (EMS) Incident	42	426.38	39	345.56
Excessive heat, scorch burns with no	0	0.00	1	8.36
Extrication, rescue	8	83.70	9	132.48
False alarm and false call, Other	1	2.00	1	4.20
Good intent call, Other	40	158.90	31	133.39
Hazardous condition, Other	7	14.54	4	40.41
Lock-In	0	0.00	1	3.60
Malicious, mischievous false alarm	1	0.90	1	4.73
Medical assist	18	42.69	11	39.59
Mobile property (vehicle) fire	4	46.29	4	58.79
Natural vegetation fire	11	58.29	10	80.10
Outside rubbish fire	3	7.59	3	21.02
Person in distress	1	3.15	2	4.68
Public service assistance	43	458.11	22	108.66
Search for lost person	1	17.92	0	0.00
Service call, Other	0	0.00	3	11.06
Severe Weather & Natural Disaster	1	2.20	2	11.46
Smoke, odor problem	2	10.08	4	27.32
Special outside fire	0	0.00	3	13.25
Steam, Other gas mistaken for smoke	5	50.70	0	0.00
Structure Fire	25	673.65	21	549.65
System or detector malfunction	89	284.24	61	256.20
Unauthorized burning	3	11.49	4	15.31
Unintentional system/detector operation	120	253.03	105	260.11
Water or ice-related rescue	12	94.03	1	4.40
Water problem	12	41.78	4	25.69
Wrong location, no emergency, found	22	31.77	5	33.17

\* 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: 01/01/2018 to 12/31/2018, Prior Period: 01/01/2017 to 12/31/2017

00:00 to 24:00

Stations: 30,80,81

All Shifts

All Units

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

Category	Current Period		Prior Period	
	Count	Staff Hrs	Count	Staff Hrs
	605	3,463.51	480	3,013.42
<b>Non-Incident Activities</b>				
Fire Police - County Meeting	11	35.50	2	123.50
Fire Prevention	138	259.78	126	390.72
Meeting	345	590.57	418	704.72
School	251	1,214.94	330	2,213.00
Training	10	25.00	1	0.33
Work Detail	1,614	3,117.10	1,521	2,060.19
	2,369	5,242.89	2,398	5,492.46
<b>Training</b>				
Training	1,406	4,068.75	1,337	3,535.19
	1,406	4,068.75	1,337	3,535.19

\* 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

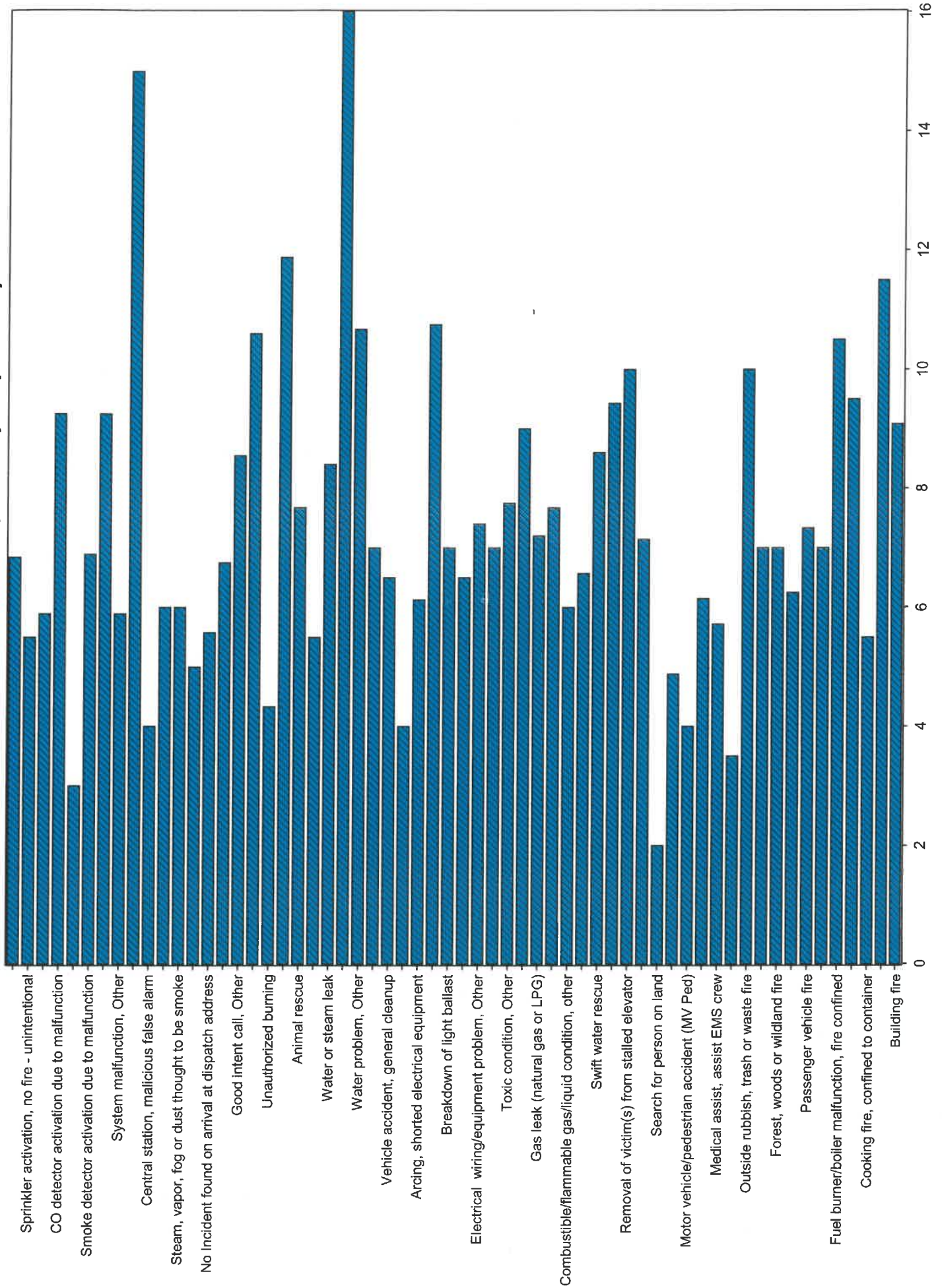
Unit Response Time Analysis

Alarm Date Between {01/01/2018} And {12/31/2018}

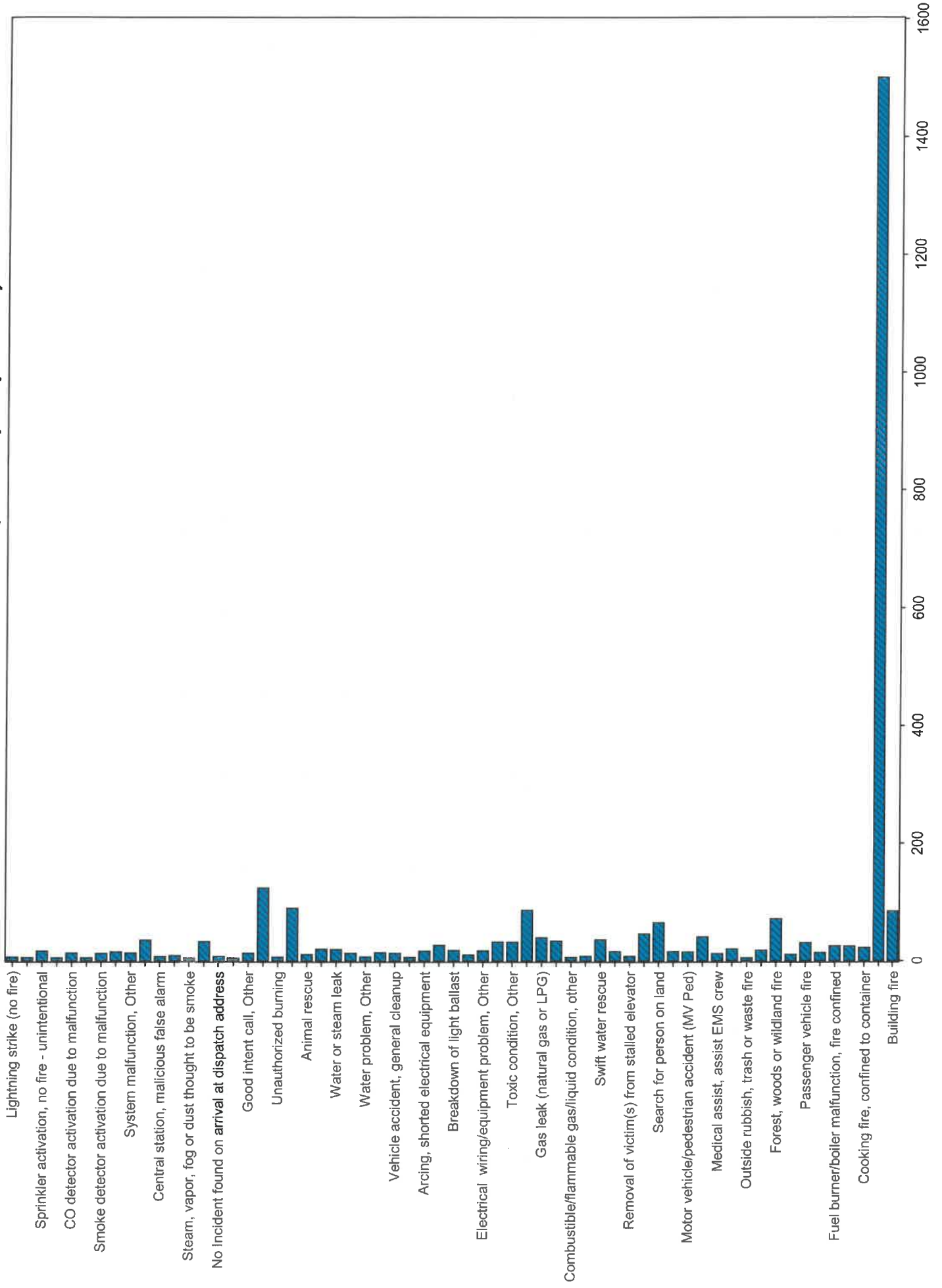
Response		Count	Percentage
Hrs	Mins		
<	01	6	0.6%
	01	42	4.2%
	02	153	15.4%
	03	186	18.7%
	04	140	14.1%
	05	166	16.7%
	06	98	9.8%
	07	67	6.7%
	08	51	5.1%
	09	17	1.7%
	10	36	3.6%
	11	3	0.3%
	12	5	0.5%
	13	6	0.6%
	14	1	0.1%
	15	6	0.6%
	16	1	0.1%
	17	2	0.2%
	19	1	0.1%
	20	1	0.1%
	21	1	0.1%
	50	1	0.1%

Overall Average Response Time: 00:04:45

Average Minutes to Respond by Incident Type  
**Alarm Date Between {01/01/2018} And {12/31/2018}**



Average Minutes on Scene by Incident Type  
**Alarm Date Between {01/01/2018} And {12/31/2018}**



Lower Macungie Fire Department

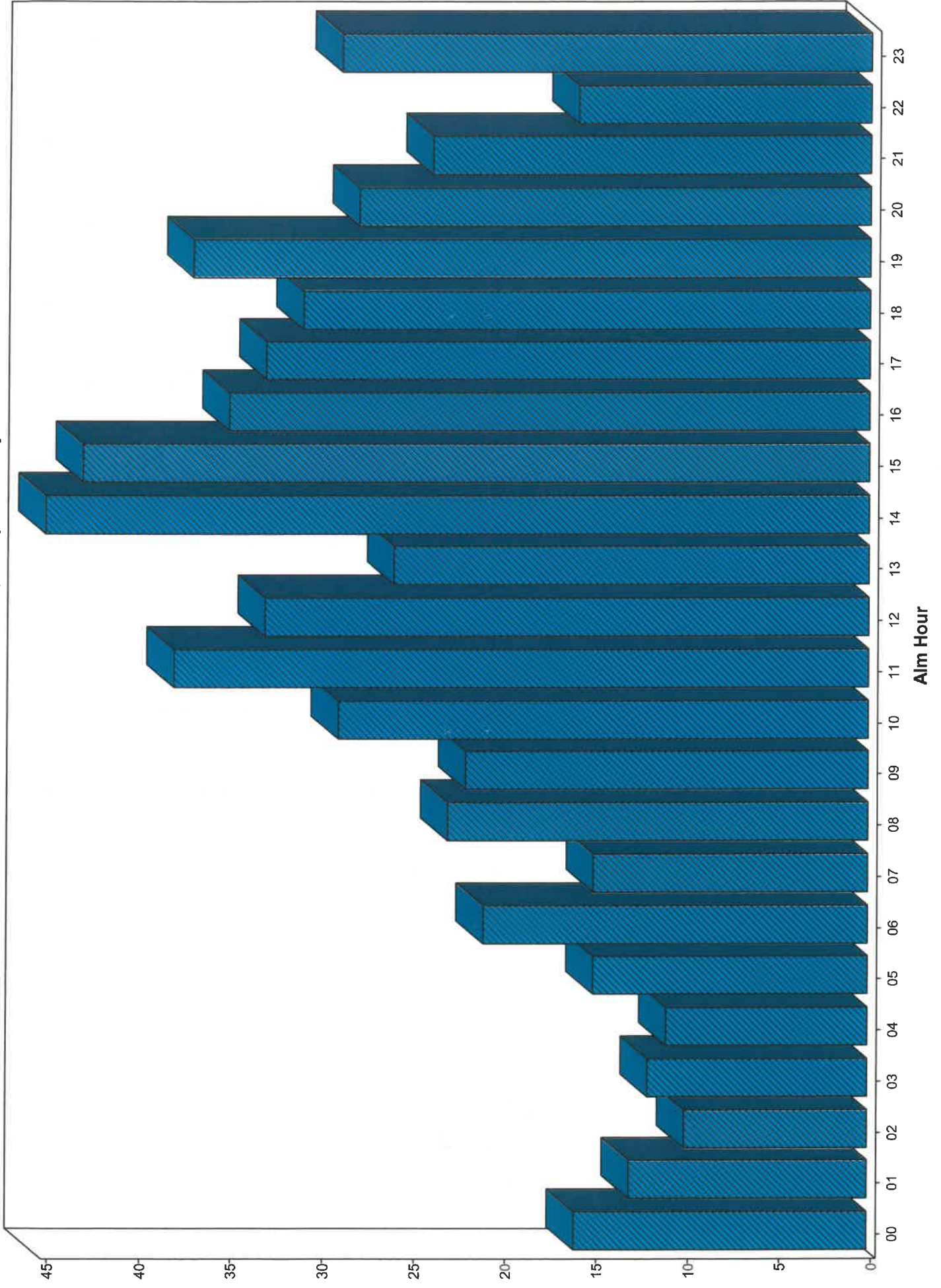
Alarm Time Analysis

Alarm Date Between {01/01/2018} And {12/31/2018}

Alarm Hour	Count	Percent
00:00	16	2.64%
01:00	13	2.14%
02:00	10	1.65%
03:00	12	1.98%
04:00	11	1.81%
05:00	15	2.47%
06:00	21	3.47%
07:00	15	2.47%
08:00	23	3.80%
09:00	22	3.63%
10:00	29	4.79%
11:00	38	6.28%
12:00	33	5.45%
13:00	26	4.29%
14:00	45	7.43%
15:00	43	7.10%
16:00	35	5.78%
17:00	33	5.45%
18:00	31	5.12%
19:00	37	6.11%
20:00	28	4.62%
21:00	24	3.96%
22:00	16	2.64%
23:00	29	4.79%



Count of Incidents by Alarm Hour  
Alarm Date Between {01/01/2018} And {12/31/2018}



Lower Macungie Fire Department

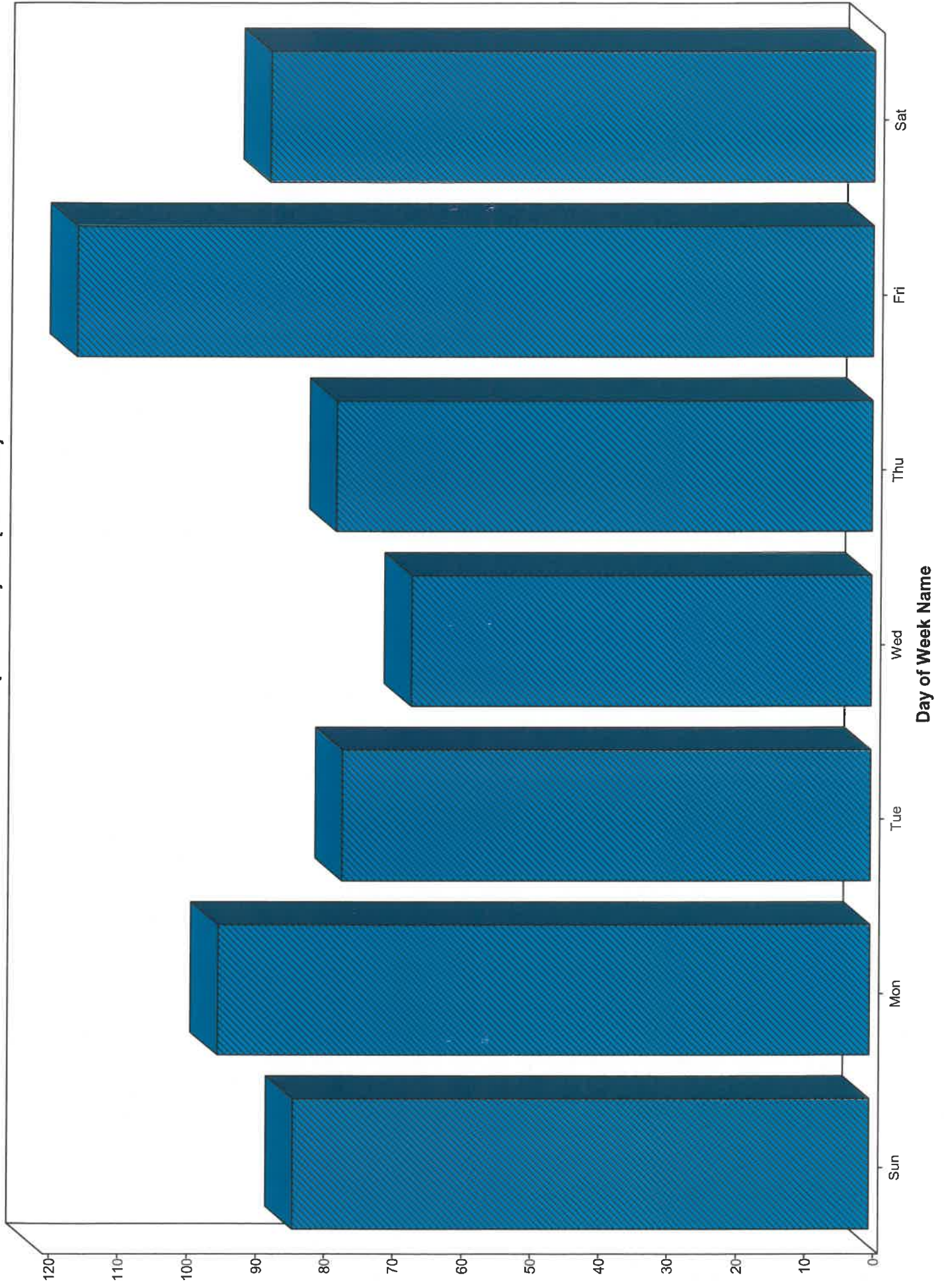
Incidents by Day of Week/Shift

Alarm Date Between {01/01/2018} And {12/31/2018}

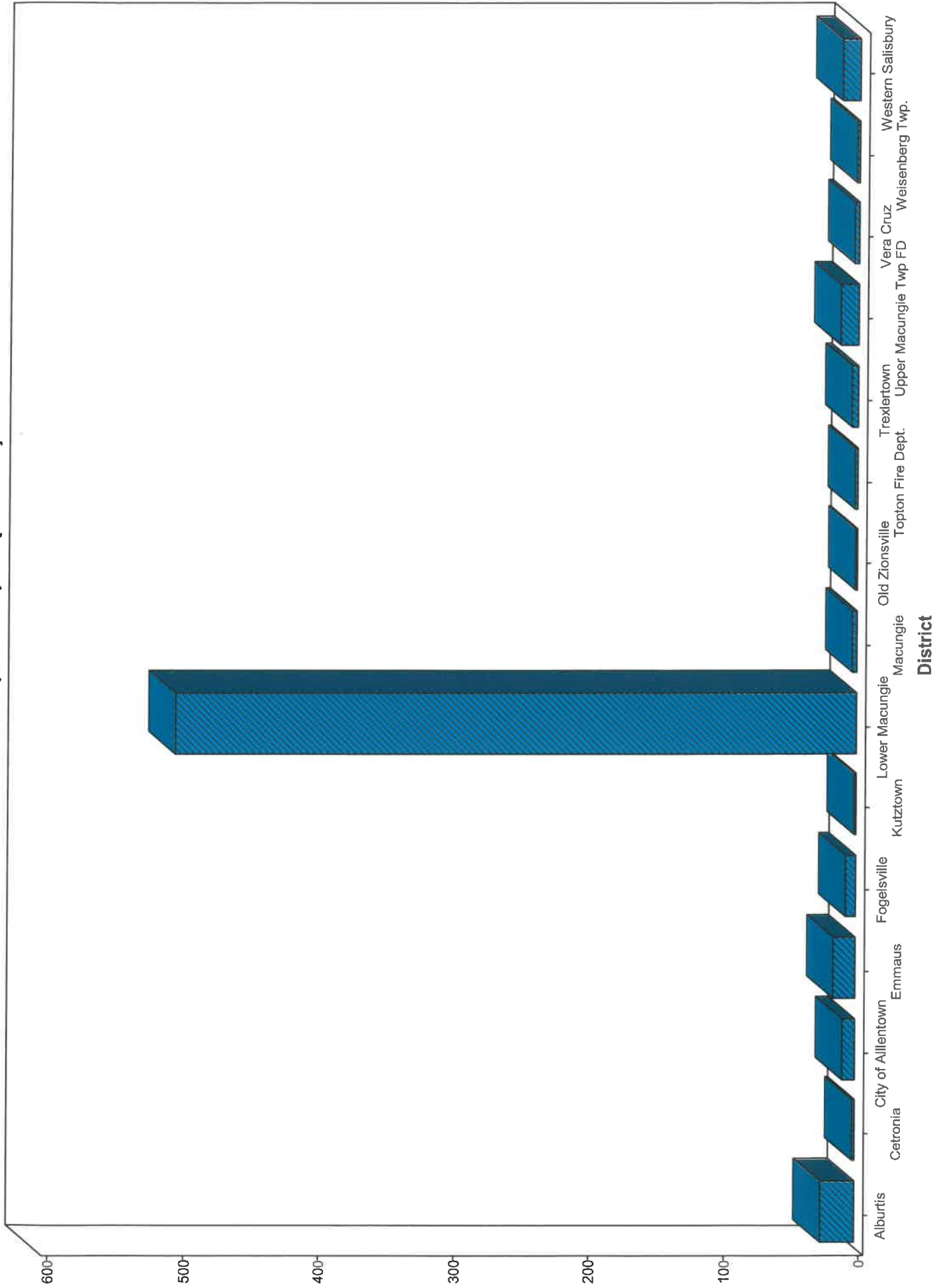
Day/Shift	Count	Pct
<b>Sunday</b>		
* < No Shift Specified >	84	13.88 %
	<u>84</u>	<u>13.88 %</u>
<b>Monday</b>		
* < No Shift Specified >	95	15.70 %
	<u>95</u>	<u>15.70 %</u>
<b>Tuesday</b>		
* < No Shift Specified >	77	12.72 %
	<u>77</u>	<u>12.72 %</u>
<b>Wednesday</b>		
* < No Shift Specified >	67	11.07 %
	<u>67</u>	<u>11.07 %</u>
<b>Thursday</b>		
* < No Shift Specified >	78	12.89 %
	<u>78</u>	<u>12.89 %</u>
<b>Friday</b>		
* < No Shift Specified >	116	19.17 %
	<u>116</u>	<u>19.17 %</u>
<b>Saturday</b>		
* < No Shift Specified >	88	14.54 %
	<u>88</u>	<u>14.54 %</u>



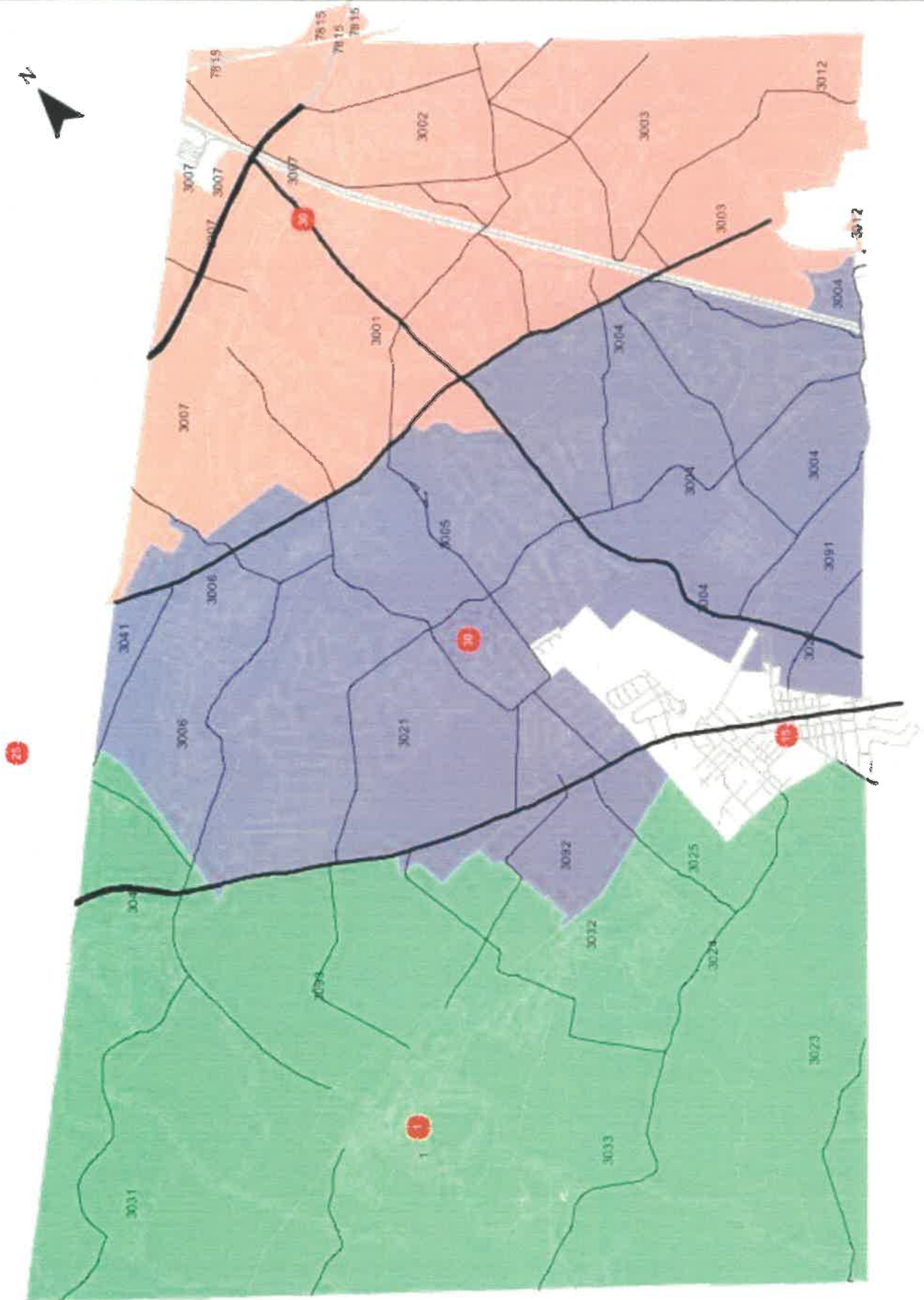
Incident Responses by Day of Week  
Alarm Date Between {01/01/2018} And {12/31/2018}



Incidents by District  
Alarm Date Between {01/01/2018} And {12/31/2018}









	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		TOTAL	
	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	TOTAL	
BOX:																									ASSIST	
30-01		1		1		1		1		1															4	
30-02																									0	
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30-05		1		1																					5	
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30-07																									3	
30-08		1		2		2																			0	
30-09																									14	
30-10																									0	
30-11		4		4		4		2		4		3		2		3		7		2		2		1	0	
30-12																									1	
30-21																									0	
30-22																									38	
30-23																									0	
30-24																									1	
30-25																									1	
30-31																									4	
30-32	1																								0	
30-33	1																								0	
30-41	1																								9	
30-42	1																								0	
30-91																									2	
30-92																									15	
30-93	3																								0	
78-15																									0	
<b>TOTAL:</b>	2	10	0	9	0	23	0	5	1	6	2	7	3	8	2	18	2	13	0	9	0	12	2	3	14	
2018 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - STATION 1																										
																							totals:			137







	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		TOTAL		
	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST	ASSIST		
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30-93																									0		
78-15																									0		
<b>TOTAL:</b>	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28		
<b>2018 LOWER MACUNGIE TOWNSHIP BOX RESPONSES - UPPER MACUNGIE TWP STATIONS</b>																											
																						<b>totals:</b>					28

