

Analysis of Current and Expanded Staffing  
Medina Fire Department 9-17-20

CURRENT STAFFING		
Operating Budget		\$1,182,522
	Call Vol. %	
City	57%	\$666,667
Med.Twp	24%	\$286,389
Mont.Twp	19%	\$229,466

EXPANDED STAFFING (nights/weekends)		
Extra Costs		\$440,635
	Call Vol. %	
City	57%	\$248,416
Med. Twp	24%	\$106,715
Mont. Twp	19%	\$85,504

TOTAL COST 24/7 STAFFING		
Total Operating Budget		\$1,623,157
	Call Vol. %	
City	57%	\$915,084
Med.Twp	24%	\$393,104
Mont.Twp	19%	\$314,970

Current Staffing		
M-F	8a-4p	3 firefighters
M-F	4p-Midnight	4 firefighters

Incident Response			
	City	Med Twp	Mont Twp
2019	711	340	260
2020 (through August)	433	186	149

Expanded Staffing		
M-F	Midnight -8a	4 Firefighters
Saturday & Sunday	24 hours	4 Firefighters

**DRAFT ONLY**

Medina Township

SEP 22 2020

Received *AD*

\*\* Budget numbers and Staffing subject to City Council approval

### Calls by Incident Type

	2020			<b>Grand Total</b>
	Medina City	Montville Township	Medina Township	
Alarm Drops	72	22	29	123
Citizen Complaints	2		1	3
Electrical Problem	10	5	2	17
EMS Assist	107	32	31	170
Extrications	6	6	11	23
Fires	35	7	9	51
Good Intent Calls	79	37	32	148
Leaks, Spills	30	8	18	56
Lightning / Storm	6			6
Service Calls, Other	85	32	53	170
<b>Grand Total</b>	<b>432</b>	<b>149</b>	<b>186</b>	<b>767</b>

Call Volume by District

### Calls by Hour

2020

	Medina City	Montville Township	Medina Township	Total
0	11	3	3	17
1	4	4	2	10
2	6	1	1	8
3	3	1	1	5
4	6	1	3	10
5	3		2	5
6	3	1		4
7	12	5	2	19
8	21	8	6	35
9	26	7	13	46
10	26	8	13	47
11	24	11	12	47
12	27	6	16	49
13	30	15	20	65
14	28	5	18	51
15	26	10	8	44
16	23	9	10	42
17	24	8	9	41
18	26	9	16	51
19	23	9	7	39
20	32	12	4	48
21	16	7	9	32
22	16	4	8	28
23	16	5	3	24
<b>Grand Total</b>	<b>432</b>	<b>149</b>	<b>186</b>	<b>767</b>

Call Volume by District

Calls by Day of Week

	2020			
	Medina City	Montville Township	Medina Township	<b>Total</b>
Sunday	29	10	14	53
Monday	75	19	24	118
Tuesday	67	32	33	132
Wednesday	84	29	31	144
Thursday	58	30	29	117
Friday	75	20	33	128
Saturday	44	9	22	75
<b>Grand Total</b>	432	149	186	767

Call Volume by District

### 1st Shift Calls Weekdays

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	30	7	12	49
February	22	10	18	50
March	21	8	12	41
April	19	4	8	31
May	22	8	5	35
June	28	12	10	50
July	16	13	12	41
August	18	2	8	28
<b>Grand Total</b>	176	64	85	325

Call Volume by District  
Monday through Friday  
Includes Non-Emergency Calls

### 2nd Shift Calls Weekdays

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	15	11	7	33
February	16	8	4	28
March	23	5	6	34
April	23	4	4	31
May	20	5	13	38
June	18	5	8	31
July	20	10	6	36
August	12	6	7	25
<b>Grand Total</b>	147	54	55	256

Call Volume by District  
Monday through Friday  
Includes Non-Emergency Calls

### 3rd Shift Calls Weekdays

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	1	3	1	5
February	4	2	1	7
March	3		1	4
April	13	3	2	18
May	5	1	1	7
June	1	2	3	6
July	6	1	1	8
August	3			3
<b>Grand Total</b>	36	12	10	58

Call Volume by District  
Monday through Friday  
Includes Non-Emergency Calls

### Full Day Calls Weekdays

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	46	21	20	87
February	42	20	23	85
March	47	13	19	79
April	55	11	14	80
May	47	14	19	80
June	47	19	21	87
July	42	24	19	85
August	33	8	15	56
<b>Grand Total</b>	359	130	150	639

Call Volume by District  
Monday through Friday  
Includes Non-Emergency Calls



### 1st Shift Calls Weekends

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	3		1	4
February	8		7	15
March	1	1	1	3
April		1	2	3
May	3		3	6
June	7	2	1	10
July	3	1	5	9
August	7	1	1	9
<b>Grand Total</b>	32	6	21	59

Call Volume by District  
Weekends  
Includes Non-Emergency Calls

### 2nd Shift Calls Weekends

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	4	2	1	7
February	5	2	2	9
March	4	1		5
April	3		1	4
May	3	2		5
June	3	1	2	6
July	3		5	8
August	4	1		5
<b>Grand Total</b>	29	9	11	49

Call Volume by District  
Weekends  
Includes Non-Emergency Calls

### 3rd Shift Calls Weekends

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January		1		1
February	1			1
March	1	1		2
April	2	1	1	4
May	4			4
June	1		3	4
July	2	1		3
August	1			1
<b>Grand Total</b>	12	4	4	20

Call Volume by District  
Weekends  
Includes Non-Emergency Calls

### Full Day Calls Weekends

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	7	3	2	12
February	14	2	9	25
March	6	3	1	10
April	5	2	4	11
May	10	2	3	15
June	11	3	6	20
July	8	2	10	20
August	12	2	1	15
<b>Grand Total</b>	73	19	36	128

Call Volume by District  
Weekends  
Includes Non-Emergency Calls

### 1st Shift Response Times Weekdays

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	7.28	22.50	6.50	8.42
February	8.46	11.00	17.40	10.96
March	8.00	10.50	9.50	8.85
April	10.30	11.00		10.36
May	9.00	10.00	6.50	8.90
June	7.06	10.00	7.33	7.24
July	12.86	9.29	10.80	11.00
August	8.42	13.00	11.75	9.47
<b>Grand Total</b>	8.55	11.36	10.63	9.34

Average Call Response Times  
Monday through Friday  
Excludes Non-Emergency Calls

### 2nd Shift Response Times Weekdays

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	7.00	10.20	7.67	8.13
February	6.43	10.67	9.00	8.47
March	7.55	9.75	9.50	8.42
April	10.46	16.00	14.33	11.72
May	8.44	14.00	6.00	8.00
June	8.54	16.00	11.25	9.56
July	8.57	10.20	16.40	11.35
August	7.25	10.20	7.25	8.38
<b>Grand Total</b>	8.28	10.97	10.27	9.33

Average Call Response Times  
Monday through Friday  
Excludes Non-Emergency Calls

### 3rd Shift Response Times Weekdays

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January		14.00	24.00	19.00
February	14.00			14.00
March	8.50		15.00	10.67
April	7.00		9.00	7.50
May	15.00			15.00
June		17.00	20.50	19.33
July	9.00	36.00		15.75
August	9.50			9.50
<b>Grand Total</b>	8.93	22.33	16.33	12.46

Average Call Response Times  
Monday through Friday  
Excludes Non-Emergency Calls

### Full Day Response Times Weekdays

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	7.192	13.750	9.125	8.810
February	8.048	10.818	15.000	10.077
March	7.800	10.000	10.111	8.771
April	9.690	14.333	12.200	10.405
May	9.040	11.000	6.143	8.694
June	7.700	14.333	12.000	9.095
July	10.412	11.692	13.600	11.625
August	8.278	10.667	9.500	9.031
<b>Grand Total</b>	8.473	11.759	11.000	9.584

Average Call Response Times  
Monday through Friday  
Excludes Non-Emergency Calls



### 1st Shift Response Times Weekends

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
February	13.500			13.500
March		12.000	13.000	12.500
May	6.000			6.000
June	5.500			5.500
July	8.000		10.333	9.750
August	8.000	8.000		8.000
<b>Grand Total</b>	8.444	10.000	11.000	9.333

Average Call Response Times  
Weekends  
Excludes Non-Emergency Calls

### 2nd Shift Response Times Weekends

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
<b>January</b>	6.00		19.00	12.50
<b>February</b>		11.00		11.00
<b>March</b>	3.00			3.00
<b>April</b>	10.00			10.00
<b>May</b>		11.00		11.00
<b>June</b>	7.00	13.00	17.00	12.33
<b>July</b>			7.00	7.00
<b>Grand Total</b>	5.80	11.67	12.50	9.50

Average Call Response Times  
Weekends  
Excludes Non-Emergency Calls

### 3rd Shift Response Times Weekends

	2020		<b>Total</b>
	Medina City	Medina Township	
March	12.000		12.000
April	18.500	15.000	17.333
May	12.000		12.000
June	10.000	9.500	9.667
July	11.500		11.500
August	12.000		12.000
<b>Grand Total</b>	13.250	11.333	12.727

Average Call Response Times  
Weekends  
Excludes Non-Emergency Calls

### Full Day Response Times Weekends

	2020			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	6.00		19.00	12.50
February	13.50	11.00		12.67
March	6.00	12.00	13.00	8.60
April	15.67		15.00	15.50
May	9.00	11.00		9.67
June	7.00	13.00	12.00	9.63
July	10.33		9.00	9.50
August	9.00	8.00		8.80
<b>Grand Total</b>	9.59	11.00	11.64	10.37

Average Call Response Times  
Weekends  
Excludes Non-Emergency Calls

### Calls by Incident Type

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
Alarm Drops	150	39	69	258
Electrical Problem	23	5	14	42
EMS Assist	136	35	53	224
Extrications	14	14	16	44
Fires	49	16	15	80
Good Intent Calls	109	61	59	229
Leaks, Spills	75	26	29	130
Lightning / Storm	1			1
Service Calls, Other	154	64	85	303
<b>Grand Total</b>	<b>711</b>	<b>260</b>	<b>340</b>	<b>1,311</b>

Call Volume by District

### Calls by Hour

2019

	Medina City	Montville Township	Medina Township	Total
0	8	5	6	19
1	4	1	1	6
2	10	1	4	15
3	5	2	2	9
4	8	5	4	17
5	10	1	2	13
6	13	4	4	21
7	24	12	9	45
8	29	14	18	61
9	37	14	19	70
10	40	15	21	76
11	48	14	31	93
12	45	16	23	84
13	49	22	19	90
14	47	17	22	86
15	40	10	11	61
16	48	16	29	93
17	38	15	30	83
18	50	21	26	97
19	53	15	14	82
20	36	20	8	64
21	23	10	17	50
22	28	2	13	43
23	18	8	7	33
<b>Grand Total</b>	711	260	340	1,311

Call Volume by District

Calls by Day of Week

	2019			Total
	Medina City	Montville Township	Medina Township	
Sunday	59	27	29	115
Monday	113	37	49	199
Tuesday	110	39	57	206
Wednesday	112	39	64	215
Thursday	125	49	51	225
Friday	118	50	62	230
Saturday	74	19	28	121
<b>Grand Total</b>	711	260	340	1,311

Call Volume by District

### 1st Shift Calls Weekdays

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	17	6	7	30
February	32	9	11	52
March	19	4	19	42
April	21	6	6	33
May	13	10	10	33
June	20	5	10	35
July	34	11	12	57
August	28	10	10	48
September	28	13	7	48
October	23	12	13	48
November	29	14	18	61
December	23	6	19	48
<b>Grand Total</b>	287	106	142	535

Call Volume by District  
Monday through Friday  
Includes Non-Emergency Calls



### 2nd Shift Calls Weekdays

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	25	9	16	50
February	23	7	9	39
March	18	4	9	31
April	15	3	9	27
May	20	10	8	38
June	21	15	8	44
July	17	7	17	41
August	20	8	9	37
September	15	4	8	27
October	25	6	12	43
November	15	7	6	28
December	25	5	8	38
<b>Grand Total</b>	<b>239</b>	<b>85</b>	<b>119</b>	<b>443</b>

Call Volume by District  
Monday through Friday  
Includes Non-Emergency Calls

### 3rd Shift Calls Weekdays

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	5	8	3	16
February	6	2	1	9
March	4	1	2	7
April	4			4
May	3	3	1	7
June	4	2	2	8
July	6	3	2	11
August	1		1	2
September	1		1	2
October	5		1	6
November	7	1	5	13
December	6	3	3	12
<b>Grand Total</b>	<b>52</b>	<b>23</b>	<b>22</b>	<b>97</b>

Call Volume by District  
Monday through Friday  
Includes Non-Emergency Calls

### Full Day Calls Weekdays

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	47	23	26	96
February	61	18	21	100
March	41	9	30	80
April	40	9	15	64
May	36	23	19	78
June	45	22	20	87
July	57	21	31	109
August	49	18	20	87
September	44	17	16	77
October	53	18	26	97
November	51	22	29	102
December	54	14	30	98
<b>Grand Total</b>	<b>578</b>	<b>214</b>	<b>283</b>	<b>1,075</b>

Call Volume by District  
Monday through Friday  
Includes Non-Emergency Calls

### 1st Shift Calls Weekends

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	3	1	2	6
February	4		1	5
March	3	2	2	7
April	6	1	1	8
May	3		2	5
June	2		2	4
July	4	1	2	7
August	7	1	6	14
September	4	1		5
October	4	4	2	10
November	3	2	1	6
December	5	3	1	9
<b>Grand Total</b>	<b>48</b>	<b>16</b>	<b>22</b>	<b>86</b>

Call Volume by District  
Weekends  
Includes Non-Emergency Calls

### 2nd Shift Calls Weekends

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	3	3		6
February	8	2	1	11
March	4		4	8
April	5	1	2	8
May	6	3	5	14
June	5		3	8
July	3	2	1	6
August	3	2	2	7
September	3	2	3	8
October	5	4	2	11
November	5	2	1	8
December	5	1	1	7
<b>Grand Total</b>	<b>55</b>	<b>22</b>	<b>25</b>	<b>102</b>

Call Volume by District  
Weekends  
Includes Non-Emergency Calls

### 3rd Shift Calls Weekends

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	2	1	2	5
February	1			1
March	2	1		3
April	2			2
May		1		1
June	9	1	1	11
July	4			4
August		1	1	2
September	3		2	5
October	3	2	1	6
November	1		2	3
December	3	1	1	5
<b>Grand Total</b>	<b>30</b>	<b>8</b>	<b>10</b>	<b>48</b>

Call Volume by District  
Weekends  
Includes Non-Emergency Calls

### Full Day Calls Weekends

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	8	5	4	17
February	13	2	2	17
March	9	3	6	18
April	13	2	3	18
May	9	4	7	20
June	16	1	6	23
July	11	3	3	17
August	10	4	9	23
September	10	3	5	18
October	12	10	5	27
November	9	4	4	17
December	13	5	3	21
<b>Grand Total</b>	<b>133</b>	<b>46</b>	<b>57</b>	<b>236</b>

Call Volume by District  
Weekends  
Includes Non-Emergency Calls

### 1st Shift Response Times Weekdays

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	6.86	14.50	10.60	9.29
February	7.31	10.00	7.25	7.43
March	9.00	16.00	9.00	9.88
April	5.80	15.33	4.00	8.30
May	7.20	12.75	8.40	8.68
June	7.46	12.67	9.00	8.55
July	8.63	17.00	16.00	9.50
August	7.00	9.71	12.00	8.45
September	6.64	11.50	6.33	7.52
October	9.29	11.14	9.00	9.74
November	7.06	12.40	9.10	8.58
December	4.90	9.67	7.73	6.79
<b>Grand Total</b>	<b>7.21</b>	<b>11.95</b>	<b>8.67</b>	<b>8.45</b>

Average Call Response Times  
Monday through Friday  
Excludes Non-Emergency Calls



### 2nd Shift Response Times Weekdays

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	8.75	9.00	10.86	9.45
February	11.19	13.75	8.71	10.93
March	5.70	11.50	7.50	6.88
April	6.63	5.00	9.50	7.67
May	6.64	13.67	9.50	9.19
June	9.00	10.56	9.25	9.56
July	9.22	5.50	10.00	8.93
August	11.71	11.33	11.14	11.40
September	7.00	10.67	16.50	9.50
October	7.71	6.00	8.63	7.88
November	7.90	7.67	7.00	7.73
December	9.40	13.00	7.60	9.14
<b>Grand Total</b>	8.53	10.62	9.52	9.16

Average Call Response Times  
Monday through Friday  
Excludes Non-Emergency Calls

### 3rd Shift Response Times Weekdays

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	9.33	16.00	15.00	12.50
February	9.00	18.50		12.80
March		11.00	26.00	18.50
April	3.00			3.00
May	6.50	16.00	6.00	8.75
June	11.25	18.00	12.00	12.50
July	12.60	13.00		12.67
September	11.00			11.00
October	7.00		10.00	7.60
November	13.25		7.50	11.33
December	8.67	9.00	12.00	10.14
<b>Grand Total</b>	9.90	15.11	12.00	11.29

Average Call Response Times  
Monday through Friday  
Excludes Non-Emergency Calls

### Full Day Response Times Weekdays

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	8.227	12.571	11.077	9.833
February	9.229	14.571	8.182	9.717
March	6.250	12.500	10.100	8.692
April	6.071	12.750	8.125	7.731
May	6.870	13.545	8.600	8.932
June	8.645	11.615	9.444	9.509
July	9.467	10.250	11.200	9.769
August	8.833	10.462	11.333	9.925
September	6.955	11.143	10.400	8.324
October	8.040	10.000	8.889	8.673
November	8.167	10.625	8.571	8.654
December	7.714	10.200	8.368	8.192
<b>Grand Total</b>	8.097	11.652	9.313	9.045

Average Call Response Times  
Monday through Friday  
Excludes Non-Emergency Calls

### 1st Shift Response Times Weekends

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	5.00			5.00
March		10.00		10.00
May	9.00			9.00
June	17.00			17.00
July	12.00	13.00		12.50
August			8.00	8.00
September	8.00			8.00
October	9.00			9.00
December	5.33			5.33
<b>Grand Total</b>	8.46	11.50	8.00	8.72

Average Call Response Times  
Weekends  
Excludes Non-Emergency Calls

### 2nd Shift Response Times Weekends

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	10.000			10.000
February	6.000	15.000	8.000	7.571
March	8.500			8.500
April	8.000			8.000
May			10.333	10.333
June	12.667		8.667	10.667
July	6.500			6.500
August		9.000		9.000
September	10.500		10.000	10.333
October	10.000		10.000	10.000
November	8.000	10.000		9.000
December	12.500			12.500
<b>Grand Total</b>	9.000	11.333	9.500	9.364

Average Call Response Times  
Weekends  
Excludes Non-Emergency Calls

### 3rd Shift Response Times Weekends

	2019			<b>Total</b>
	<b>Medina City</b>	<b>Medina Township</b>	<b>Montville Township</b>	
April	15.00			15.00
June	13.83			13.83
July	8.00			8.00
August		14.00		14.00
September	12.00	3.00		9.00
October	10.00		12.00	10.67
November	10.00	11.00		10.67
December	11.50			11.50
<b>Grand Total</b>	11.71	9.75	12.00	11.36

Average Call Response Times  
Weekends  
Excludes Non-Emergency Calls

### Full Day Response Times Weekends

	2019			<b>Total</b>
	Medina City	Montville Township	Medina Township	
January	7.500			7.500
February	6.000	15.000	8.000	7.571
March	8.500	10.000		9.000
April	11.500			11.500
May	9.000		10.333	10.000
June	13.800		8.667	12.615
July	8.167	13.000		8.857
August		9.000	9.500	9.400
September	9.857		6.500	9.111
October	9.500	12.000	10.000	9.889
November	9.000	10.000	11.000	10.000
December	9.143			9.143
<b>Grand Total</b>	<b>9.780</b>	<b>11.500</b>	<b>9.294</b>	<b>9.808</b>

Average Call Response Times  
Weekends  
Excludes Non-Emergency Calls