



**TROY FIRE DEPARTMENT  
ANNUAL REPORT  
2012**

<u>Category</u>	<u>Count</u>	<u>Percent of Total Incidents</u>	<u>Previous Year</u>	<u>Change</u>
Total Fire Incidents	182	16.76%	166	9.64%
Total Non Fire Incidents	904	83.24%	924	-2.16%
<b>Total Incidents</b>	<b>1086</b>	<b>100.00%</b>	<b>1090</b>	<b>-0.37%</b>

<u>Fire Incidents</u>	<u>Count</u>	<u>Percent of Total Fires</u>	<u>Previous Year</u>	<u>Change</u>
Structure Fires	66	36.26%	65	1.54%
Vehicle Fires	37	20.33%	48	-22.92%
Grass Fires	49	26.92%	21	133.33%
Refuse Fires	25	13.74%	20	25.00%
Outside Fires	0	0.00%	8	-100.00%
Other Fires	5	2.75%	4	25.00%
<b>Total Fire Incidents</b>	<b>182</b>	<b>100.00%</b>	<b>166</b>	<b>9.64%</b>

<u>Non Fire Incidents</u>	<u>Count</u>	<u>Percent of Total Non Fires</u>	<u>Previous Year</u>	<u>Change</u>
Overpressure/Rupture	3	0.33%	1	200.00%
Rescue / Extrication	41	4.54%	61	-32.79%
Hazardous Conditions *	151	16.72%	171	-11.70%
Public Service	52	5.76%	43	20.93%
Good Intent **	180	19.93%	171	5.26%
Cent. Sta./Malicious False Alarm	14	1.55%	11	27.27%
Alarm System Malfunction	162	17.94%	175	-7.43%
Alarm Activation Unintentional	298	33.00%	282	5.67%
Weather Standby	2	0.22%	7	-71.43%
Other Non Fire	0	0.00%	2	-100.00%
<b>Total Non Fire Incidents</b>	<b>903</b>	<b>100.00%</b>	<b>924</b>	<b>-2.27%</b>

\* Includes spills or leaks with no fire; excess heat; arcing wires; and chemical emergencies

\*\* Includes smoke scares; wrong locations; steam mistaken for smoke; and controlled burning

All data obtained from Oakland County Fire Records Management System unless indicated otherwise.



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<u>Structure Fires by Occupancy</u>	<u>Count</u>	<u>Percent of Structure Fires</u>	<u>Previous Year</u>	<u>Change</u>
Apartments	13	19.70%	13	0.00%
Educational	3	4.55%	0	300.00%
Industrial	4	6.06%	6	-33.33%
Institutional	2	3.03%	0	200.00%
Motel/Hotel	1	1.52%	2	-50.00%
Office	2	3.03%	5	-60.00%
Other	5	7.58%	1	400.00%
Public Assembly	4	6.06%	3	33.33%
Single Family Dwelling	25	37.88%	27	-7.41%
Storage	6	9.09%	2	200.00%
Stores/Sales	1	1.52%	6	-83.33%
<b>Total Occupancies</b>	<b>66</b>	<b>100.00%</b>	<b>65</b>	

<u>Structure Fires by Cause</u>	<u>Count</u>	<u>Percent of Structure Fires</u>	<u>Previous Year</u>	<u>Change</u>
Act of Nature	1	1.52%	4	-75.00%
Cooking	19	28.79%	17	11.76%
Equipment Failure	12	18.18%	10	20.00%
Intentional	1	1.52%	3	-66.67%
Other	4	6.06%	2	100.00%
Under Investigation *	2	3.03%	10	-80.00%
Undetermined	10	15.15%	12	-16.67%
Unintentional	18	27.27%	11	63.64%
<b>Total Causes</b>	<b>66</b>	<b>72.73%</b>	<b>65</b>	

\* As of 03/01/13



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<u>Total Casualties</u>	<u>Number</u>	<u>Percent</u>	<u>Previous Year</u>	<u>Change</u>
Civilian Injury	3	75.00%	3	0.00%
Civilian Death	0	0.00%	0	0.00%
Firefighter Injury	1	25.00%	0	100.00%
Firefighter Death	0	0.00%	0	0.00%
<b>Total Casualties</b>	<b>4</b>	<b>100.00%</b>	<b>3</b>	<b>33.00%</b>

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<u>Total Estimated Fire Loss</u>	<u>Amount</u>	<u>Percent</u>	<u>Previous Year</u>	<u>Change</u>
Structure Value	\$202,828,883.00	100.00%	\$231,038,902.00	-12.21%
Property Loss	\$527,185.00	0.26%	\$508,800.00	3.61%
Contents Loss	\$322,843.00	0.16%	\$338,400.00	-4.60%
<b>Total Loss</b>	<b>\$850,028.00</b>	<b>0.42%</b>	<b>\$847,200.00</b>	<b>0.33%</b>
<b>Total Saved</b>	<b>\$201,978,855.00</b>	<b>99.58%</b>	<b>\$230,191,702.00</b>	<b>-12.26%</b>

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Response Time Analysis

<u>Fire Dept Response *</u>	<u>Count</u>	<u>Cumulative Response</u>	<u>Percent</u>	<u>Cumulative Percent</u>
0 - 1 Minute	2	2	0.34%	0.34%
1 - 2 Minutes	6	8	1.03%	1.37%
2 - 3 Minutes	22	30	3.76%	5.13%
3 - 4 Minutes	51	81	8.72%	13.85%
4 - 5 Minutes	74	155	12.65%	26.50%
5 - 6 Minutes	105	260	17.95%	44.44%
6 - 7 Minutes	82	342	14.02%	58.46%
7 - 8 Minutes	75	417	12.82%	71.28%
8 - 9 Minutes	60	477	10.26%	81.54%
9 - 10 Minutes	41	518	7.01%	88.55%
10 + Minutes	67	585	11.45%	100.00%
<b>Total Emergency Responses</b>	<b>585</b>		<b>53.87% of total responses</b>	
<b>Total Nonemergency Responses</b>	<b>501</b>		<b>46.13% of total responses</b>	
<b>Total Responses</b>	<b>1086</b>			

*\* Dispatch to arrival as recorded by the dispatch center.*

<u>Dispatch Processing **</u>	<u>Alarm to Dispatch</u>	<u>Cumulative Response</u>	<u>Percent</u>	<u>Cumulative Percent</u>
0 - 1 Minute	583	583	99.66%	99.66%
1 - 2 Minutes	1	584	0.17%	99.83%
2 - 3 Minutes	1	585	0.17%	100.00%
3 - 4 Minutes	0	585	0.00%	100.00%
4 - 5 Minutes	0	585	0.00%	100.00%
5 - 6 Minutes	0	585	0.00%	100.00%
6 - 7 Minutes	0	585	0.00%	100.00%
7 - 8 Minutes	0	585	0.00%	100.00%
8 - 9 Minutes	0	585	0.00%	100.00%
9 - 10 Minutes	0	585	0.00%	100.00%
10 + Minutes	0	585	0.00%	100.00%
<b>Total Emergency Incidents</b>	<b>585</b>			

*\*\* Receipt of call to dispatch as recorded by the dispatch center.*



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<u>Activities Performed</u>	<u>Count</u>	<u>Percent</u>	<u>Previous Year</u>	<u>Change</u>
Fire Station Service Requests	875	53.16%	817	7.10%
Fire Investigations	45	2.73%	52	-13.46%
In-Service Training Provided	554	33.66%	490	13.06%
Specialty Team Training Provided	60	3.65%	59	1.69%
Fire Academy Training Provided	112	6.80%	142	-21.13%
<b>Subtotal</b>	<b>1,646</b>	<b>100.00%</b>	<b>1,560</b>	<b>5.51%</b>
Plans Reviewed	879	5.11%	794	10.71%
Permits Issued	532	3.09%	448	18.75%
Inspections	2,881	16.73%	2,421	19.00%
Violations Issued	1,831	10.64%	1,424	28.58%
Violations Cleared	1,051	6.10%	689	52.54%
Hydrant Flow Tests Conducted	30	0.17%	20	50.00%
Public Education Programs	125	0.73%	130	-3.85%
Public Education Participants	8,336	48.42%	7,801	6.86%
HAPIS Computer Entries	1,031	5.99%	637	61.85%
Alarms Registered *	520	3.02%	701	-25.82%
<b>Subtotal</b>	<b>17,216</b>	<b>100.00%</b>	<b>15,065</b>	<b>14.28%</b>
<b>Total Activities</b>	<b>18,862</b>		<b>16,625</b>	<b>13.46%</b>

\* Paid registrations as of the date printed

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<u>Activity Time</u>	<u>Hours</u>	<u>Percent</u>	<u>Previous Year</u>	<u>Change</u>
Administrative **	2,048.00	6.53%	3,283.15	-37.62%
Fire Prevention **	6,248.75	19.94%	4,289.55	45.67%
Supportive **	5,185.05	16.54%	4,066.00	27.52%
Training ***	17,858.00	56.98%	20,512.00	-12.94%
<b>Total Hours</b>	<b>31,339.80</b>	<b>100.00%</b>	<b>32,150.70</b>	<b>-2.52%</b>

\*\* Career staff-hours only. Does not include leave time.

\*\*\* Includes staff hours + volunteer hours



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Staffing

<u>Volunteer</u>	<u>Station 1</u>	<u>Station 2</u>	<u>Station 3</u>	<u>Station 4</u>	<u>Station 5</u>	<u>Station 6</u>	<u>Total</u>	<u>Trend</u>	<u>Cumulative</u>
2008	29	30	29	24	31	32	175	NA	0.00%
2009	29	27	28	24	31	25	164	-6.29%	-6.29%
2010	29	27	29	32	30	26	173	5.49%	-1.14%
2011	29	27	28	31	29	24	168	-2.89%	-4.00%
2012	27	27	26	29	31	25	165	-1.79%	-5.71%
<u>5 Yr. Avg.</u>	28.6	27.6	28.0	28.0	30.4	26.4	169.0	-1.09%	-3.43%
<u>2 Yr. Avg.</u>	28.0	27.0	27.0	30.0	30.0	24.5	166.5	-2.34%	-4.86%

<u>Career</u>	<u>Chief</u>	<u>Assistant Chief</u>	<u>Staff Lieutenant</u>	<u>Staff Technician</u>	<u>Secretary</u>	<u>Total</u>	<u>Trend</u>	<u>Cumulative</u>
2008	1	2	7	2	1	13	NA	0.00%
2009	1	2	6	2	1	12	-7.69%	-7.69%
2010	1	2	6	2	1	12	0.00%	-7.69%
2011	1	1	5	3	1	11	-8.33%	-15.38%
2012	1	1	5	3	1	11	0.00%	-15.38%
<u>5 Yr. Avg.</u>	1.0	1.6	5.8	2.4	1.0	11.8	-3.21%	-9.23%
<u>2 Yr. Avg.</u>	1.0	1.0	5.0	3.0	1.0	11.0	-4.17%	-15.38%



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<u>Station</u>	<u>Incident Category</u>	<u>Incident Count</u>	<u>Percent of Category</u>	<u>Percent of Total Count</u>	<u>Previous Year Count</u>	<u>Change</u>
1	Fire	41	22.53%	3.78%	29	41.38%
	Rescue/Extrication	9	21.95%	0.83%	5	80.00%
	False Alarm	87	18.32%	8.01%	78	11.54%
	All Other	77	19.85%	7.09%	58	32.76%
	<b>Sub Total</b>	<b>214</b>	<b>19.71%</b>	<b>19.71%</b>	<b>170</b>	<b>25.88%</b>
2	Fire	11	6.04%	1.01%	15	-26.67%
	Rescue/Extrication	5	12.20%	0.46%	7	-28.57%
	False Alarm	33	6.95%	3.04%	49	-32.65%
	All Other	42	10.82%	3.87%	43	-2.33%
	<b>Sub Total</b>	<b>91</b>	<b>8.38%</b>	<b>8.38%</b>	<b>114</b>	<b>-20.18%</b>
3	Fire	47	25.82%	4.33%	45	4.44%
	Rescue/Extrication	12	29.27%	1.10%	13	-7.69%
	False Alarm	125	26.32%	11.51%	135	-7.41%
	All Other	69	17.78%	6.35%	94	-26.60%
	<b>Sub Total</b>	<b>253</b>	<b>23.30%</b>	<b>23.30%</b>	<b>287</b>	<b>-11.85%</b>
4	Fire	31	17.03%	2.85%	46	-32.61%
	Rescue/Extrication	5	15.63%	0.46%	21	-76.19%
	False Alarm	125	26.32%	11.51%	106	17.92%
	All Other	67	17.27%	6.17%	73	-8.22%
	<b>Sub Total</b>	<b>228</b>	<b>20.99%</b>	<b>20.99%</b>	<b>246</b>	<b>-7.32%</b>
5	Fire	30	16.48%	2.76%	11	172.73%
	Rescue/Extrication	4	9.76%	0.37%	5	-20.00%
	False Alarm	18	3.79%	1.66%	24	-25.00%
	All Other	36	9.28%	3.31%	25	44.00%
	<b>Sub Total</b>	<b>88</b>	<b>8.10%</b>	<b>8.10%</b>	<b>65</b>	<b>35.38%</b>
6	Fire	13	7.14%	1.20%	12	8.33%
	Rescue/Extrication	5	12.20%	0.46%	10	-50.00%
	False Alarm	46	9.68%	4.24%	42	9.52%
	All Other	39	10.05%	3.59%	54	-27.78%
	<b>Sub Total</b>	<b>103</b>	<b>9.48%</b>	<b>9.48%</b>	<b>118</b>	<b>-12.71%</b>
8	Fire	9	4.95%	0.83%	7	28.57%
	Rescue/Extrication	1	2.44%	0.09%	0	100.00%
	False Alarm	41	8.63%	3.78%	35	17.14%
	All Other	58	14.95%	5.34%	48	20.83%
	<b>Sub Total</b>	<b>109</b>	<b>10.04%</b>	<b>10.04%</b>	<b>90</b>	<b>21.11%</b>
<b>Total</b>		<b>1086</b>	<b>100.00%</b>	<b>100.00%</b>	<b>1090</b>	<b>-0.37%</b>



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Supplemental

<u>Valid Alarm Activations</u>	<u>Count</u>	<u>Percent of Total Incidents</u>	<u>Previous Year</u>	<u>Change</u>
Cooking	20	1.83%	20	0.00%
Fire	5	0.46%	7	-28.57%
Smoke	3	0.28%	5	-40.00%
Overheat	3	0.28%	2	50.00%
Electrical	0	0.00%	3	-300.00%
Steam	0	0.00%	1	-100.00%
<b>Total Valid Alarms</b>	<b>31</b>	<b>2.85% of Total Incidents</b> <b>6.13% of Total Alarm Activations</b>	<b>38</b>	<b>-18.42%</b>

<u>False Alarm Activations</u>	<u>Count</u>	<u>Percent of Total Incidents</u>	<u>Previous Year</u>	<u>Change</u>
Unintentional	298	27.34%	282	5.67%
Malfunction	162	14.86%	175	-7.43%
Other	1	0.09%	0	100.00%
Malicious	14	1.28%	11	300.00%
<b>Total False Alarms</b>	<b>475</b>	<b>43.74% of Total Incidents</b>	<b>468</b>	<b>1.50%</b>

<u>Structure Fires With Significant Loss</u>	<u>Date</u>	<u>Stations / Apparatus</u>	<u>Alarms</u>	<u>Estimated Loss*</u>	<u>Summary</u>
30 E Big Beaver	5/9/2012	1, 3, 2, Rescue 4	2	\$268,768.00	Commercial Restaurant
2451 Elliott	5/19/2012	4, 1, Air Tender 3	1	\$153,577.00	Commercial Building
2605 E Wattles	5/20/2012	5, 1, Rescue 4, Air Tender 3	1	\$100,000.00	Single Family Dwelling

*\*Replacement Cost of Real & Personal Property*

<u>Mutual Aid</u>	<u>Date</u>	<u>Stations / Apparatus</u>	<u>Alarms</u>	<u>Type</u>	<u>Summary</u>
1200 Kempar, Madison Heights	2/14/2012	Air Tender 3	2	Provided Air	Commercial Building Fire
11 Mile at Greenfield, Oak Park	7/16/2012	Air Tender 3	2	Provided Air	Fuel Tanker Leak