



# Town of North Branford Fire Department Executive Summary of Activity

**FY  
17-18**

The North Branford Fire Department responded to 1,814 call for service in Fiscal Year 2017-18. The number of emergency medical incidents during this period was 1,393 representing 76.79% of the fire departments alarms.

Incident Type	Number	Percentage
Fire	33	1.81%
Overpressure/Rupture	2	.11%
Rescue & EMS	1,393	76.79%
Hazardous Condition	83	4.57%
Service Call	95	5.23%
Good Intent	74	4.02%
False Alarm & False Call	132	7.27%
Severe Weather	2	.11%
Total	1,814	100%

During this period there were (11) fires in private dwellings, (1) in a school, (2) in storage structures, (1) vehicle fire, (2) non-structure/non-vehicle, (7) wildland/brush and (3) confined to rubbish/dumpsters. The total loss from building fires was \$441,000. Considering the property loss from all fires (\$458,500) and total value of property (\$14,747,000), the total saved equaled (\$14,288,500) or 96.89%. The average on-scene time by members for building fires was 2 hours and 34 minutes. When considering the

value of any fire department, one must focus on the dollar value saved and lost which is directly related to suppression activities. Our community have very effective fire prevention and inspection programs which are carried out by a part-time Fire Marshal and Deputy Fire Marshal. Property owners that should be proud of our accomplishments.

The North Branford Fire Department provided or received mutual aid from the following departments during FY 2017-18: Branford (2), East Haven (12), Guilford (1), North Haven (6), Wallingford (22), and Durham (14). Mutual aid covers fire and EMS response.



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According to the Department's management information system (Firehouse Software and Nexgen), incidents occurring by the day of week were: Sunday, 274 (15.10%), Monday, 239 (13.17%), Tuesday, 249 (13.72%), Wednesday, 266 (14.66%), Thursday, 242 (13.34%), Friday, 269 (14.82%) and Saturday, 275 (15.15%). The busiest time periods were from 9:00 am to 8:00 pm and the department's average response time was 7:47 minutes.

As the primary EMS provider for the Town of North Branford, personnel answered 1,393 calls for rescue and emergency medical service. A summary of EMS incidents are: medical, 728 (52.49%) and trauma, 263 (18.96%) of which 732 calls required intervention by paramedics. NBFD responded to 99 (7.1%) motor vehicle accidents and 3 (0.2%) searches for lost people in the woods. There were 984 transports (71%), 79 (5.70%) cancelled calls, 123 no transports (8.87%) and the Medic Unit responded to 422 (30.43%) incidents as the first responder as per emergency medical dispatch (EMD) protocol. Since the inception of paramedic service in 2011, we have witnessed firsthand the benefits of advanced life support intervention through the return of spontaneous circulation on a number of our cardiac arrest patients. According to data collected by Yale New Haven Hospital, there were 11 resuscitation attempts in FY 2017-18 that resulted in 2 patients discharged alive. Hence, an 18% survival rate is demonstrated which is higher when compared to the national average of 8.4% for non-traumatic events. These numbers do not reflect lives saved through the administration of naloxone (Narcan) to victims of opioid overdose.

One of the most significant advancements the department achieved in FY 2017-18 was participating in the national "Stop-the-Bleed" campaign. Based upon educational material distributed by the U.S. Department of Homeland Security which focuses on situational awareness, this program is



intended to cultivate grassroots efforts that encourages the public to become empowered to help in bleeding emergencies before help arrives. North Branford joined our Branford FD partners in promoting this training. More importantly, the NBFD equipped units with advanced bleeding control equipment that permits rapid deployment of tactical bandages

and tourniquets developed for military use. Members of the department also participated in a course of instruction funded by CT Region 2, "Tactical Emergency Casualty Care" that involved the regional law enforcement tactical team.



With the inception of the NBFD's tactical fire training facility in 2015, we have made great strides in developing a stronger department. Multi-company drills are scheduled, training involving mutual aid departments occur and individual companies have the ability to test their skills using realistic scenarios. The type of training each company participates in is managed by the department's training staff. Topics are based upon NFPA and OSHA requirements. Aside from formal training, each company conducts in-stations drills which may be particular to their unit or response area. During this period a total of 97 formal training sessions were held, accounting for 5,142 classroom/field hours. Overall, members of the NBFD committed 94,633 hours into department related activity and weekly training. This includes on-line training specifically designed for company officers. Approximately 921 individuals participated in training evolutions at the NBFD training facility representing East Haven FD, North Haven FD, North Madison FD, NBFD Explorers and the CT National Guard accounting for 3177 man-hours. One member obtained Firefighter 1 certification and seven Firefighter 2.

Prior to the end of FY 2017-18 the Department advanced its operational capabilities by acquiring a new DJI Phantom 4 V2 unmanned aircraft system (UAS). The NBFD has two (2) qualified pilots that meet and or exceed FAA requirements and a training course is schedule to be held in the fall. The new Drone will enable the Department to expand its operations through deploying the UAS at scenes such as a lost person in wooded areas, large or complex fires that require aerial monitoring and incidents that are remote from a command post. Upon request, our pilot and this asset will be available for mutual aid deployment and to the North Branford Police Department. This new drone will serve to complement the original DJI



Phantom that was donated to the NBFD a number of years ago following a response in Branford.

Additional highlights of actions taken by the Department to improve operations in FY 2017-18 included changing the state unfunded mandated electronic patient care reporting (ePCR) system from Zoll Rescue-Net to ESO Solutions. Along with this change was the acquisition of Apple iPads for each ambulance. These portable devices allow EMS personnel with the ability to complete their reports using wireless access to ESO. This new platform allows interoperability between our EMS reporting and Yale New Haven Health Systems Electronic Health Records (EHR). This enhancement not only simplifies reporting but it allows data to be shared with our EMS billing service and the generation of administrative reports.

During this period the following equipment was purchased and or issued:

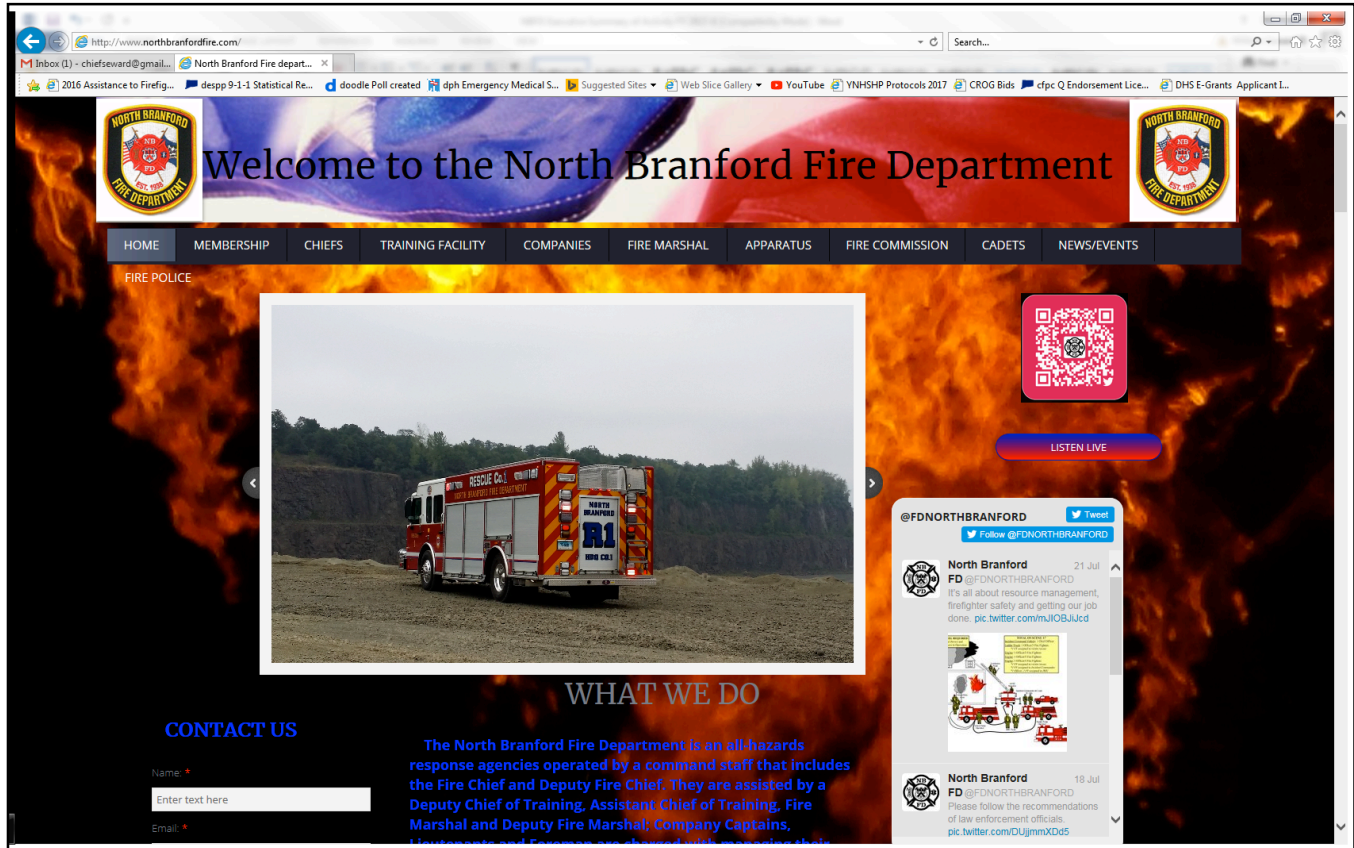
- (8) sets of structural firefighting protective clothing
- (12) SCOTT breathing air cylinders
- 3000 feet of 5 inch supply hose
- 1250 feet of 2 ½ inch attack hose
- Cover for the hose bed on Engine 1
- Structural firefighting gloves, boots and helmets
- New beds for Station 4
- (4) Apple iPads for ambulance operations
- (8) Stop the Bleed Kits for apparatus
- (30) portable radio batteries
- As part of the Town's CIP program, a new 70 KW fire station/standby natural gas powered generator is being installed at Company 1 and is expected to be completed during the first quarter of FY 2018-19.
- In an effort to improve deficiencies in the fire department's radio communications system, a new VHF frequency was acquired and programmed into portable radios. This is combined with VHF in-band mobile repeaters that were installed in Car 1, Engine 1, Engine 2 and Engine 3. Based upon the topography of the town and limitations within a VHF system, it is our hope that this improves communications and firefighter safety.



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The NBFD engaged in social media by launching a new Website, Facebook page and Twitter site. Each of these outlets are managed by department personnel focused on publishing accurate and timely information to the public.



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### FIRE & EMS RESPONSE ACTIVITY

<b>Fiscal Year 2017 - 2018</b>	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	YTD	%
Total Fire Department Incidents	147	160	163	147	140	178	153	127	159	118	173	149	1814	
Fire (Non EMS)	38	31	30	30	32	39	39	33	47	26	54	32	421	23.21%
Emergency Medical Service	114	129	133	117	108	139	114	96	114	92	119	117	1393	76.79%
Missed Calls	5	7	9	6	8	7	8	3	2	3	3	4	65	4.69%
Medic 4	96	99	110	109	92	120	102	87	102	80	101	97	1195	65.88%
Ambulance/Medic 44	7	11	9	11	10	9	5	6	3	4	12	12	99	5.46%
Ambulance 42	0	1	1	2	3	2	0	0	1	1	1	1	13	0.72%
Stand By Event	1	1	3	2	3	2	0	0	0	0	1	0	13	0.72%
District 100	95	101	105	78	92	114	105	69	99	79	88	95	1120	61.74%
District 200/250	41	45	41	50	37	46	33	40	40	27	56	40	496	27.34%
District 300	6	8	11	12	7	16	27	14	13	8	16	5	143	7.88%
Company 1 Response	62	75	74	58	66	89	80	58	82	67	71	72	854	47.08%
Company 2 Response	29	29	29	34	26	36	28	34	44	24	44	29	386	21.28%
Company 3 Response	7	9	12	15	4	15	24	14	17	11	19	8	155	8.54%
Mutual Aid Provided/Received	4	6	3	5	3	8	4	2	6	2	6	6	55	3.03%
1st Unit On-Scene Response Time	7:46	7:17	8:26	7:57	7:56	7:48	8:15	7:08	7:51	7:56	7:15	7:52		7:47
Incidents Shift 1 (12a-6a)	16	10	25	18	22	21	24	16	19	12	17	14	214	11.80%
Incidents Shift 2 (6a-6p)	82	99	96	84	92	112	92	72	90	74	103	89	1085	59.81%
Incidents Shift 3 (6p-12a)	49	51	42	44	25	45	38	39	50	32	52	46	513	28.28%
BLS Treatment	26	33	23	18	13	10	13	56	42	29	29	22	314	22.64%
ALS Treatment	51	63	73	68	65	69	77	56	33	55	60	62	732	52.78%
Medical Incidents	55	53	61	57	59	59	58	64	72	59	61	70	728	52.49%
Trauma Incidents	21	32	30	26	17	17	32	18	17	12	28	13	263	18.96%
Cancellation	6	6	8	5	3	3	7	10	7	7	7	10	79	5.70%
No Transport/Refused Tx	5	13	13	6	13	9	13	6	5	11	20	9	123	8.87%
Emergency 1	29	42	41	39	47	59	39	41	45	48	43	54	527	29.05%
Emergency 2	17	11	13	11	13	22	12	19	13	15	9	15	170	9.37%
Rescue 3	3	6	8	12	4	10	9	9	9	5	8	5	88	4.85%
Rescue 1	23	18	11	8	3	17	17	8	6	6	10	11	138	7.61%
Rescue 2	5	8	2	11	2	5	11	4	6	2	9	3	68	3.75%
Ambulance as First Responder	40	42	44	42	38	39	30	25	31	19	41	31	422	30.43%
Alarms to Evergreen Woods	18	28	27	21	19	23	13	13	20	16	23	23	244	13.45%
Engine 1	15	17	18	11	11	23	16	7	12	10	0	7	147	8.10%
Engine 2	3	9	3	14	6	9	20	6	14	5	15	1	105	5.79%
Engine 3	1	3	4	6	1	4	4	4	3	2	3	1	36	1.98%
Engine Tanker 11	0	1	3	4	2	2	2	1	4	2	7	6	34	1.87%
Engine Tanker 22	0	1	1	4	1	4	3	1	3	2	4	1	25	1.38%
Tanker 3	1	1	1	0	1	2	0	3	2	4	4	0	19	1.05%
Tower 1	0	3	2	5	1	5	4	2	4	3	4	2	35	1.93%
Brush 1	0	1	2	1	2	0	2	2	5	2	6	2	25	1.38%
Brush 2	1	0	1	3	0	0	0	0	0	1	0	1	7	0.39%
Brush 3	0	1	0	0	1	0	0	0	1	0	1	0	4	0.22%
Transports	65	99	96	86	60	107	77	76	77	66	89	86	984	70.94%

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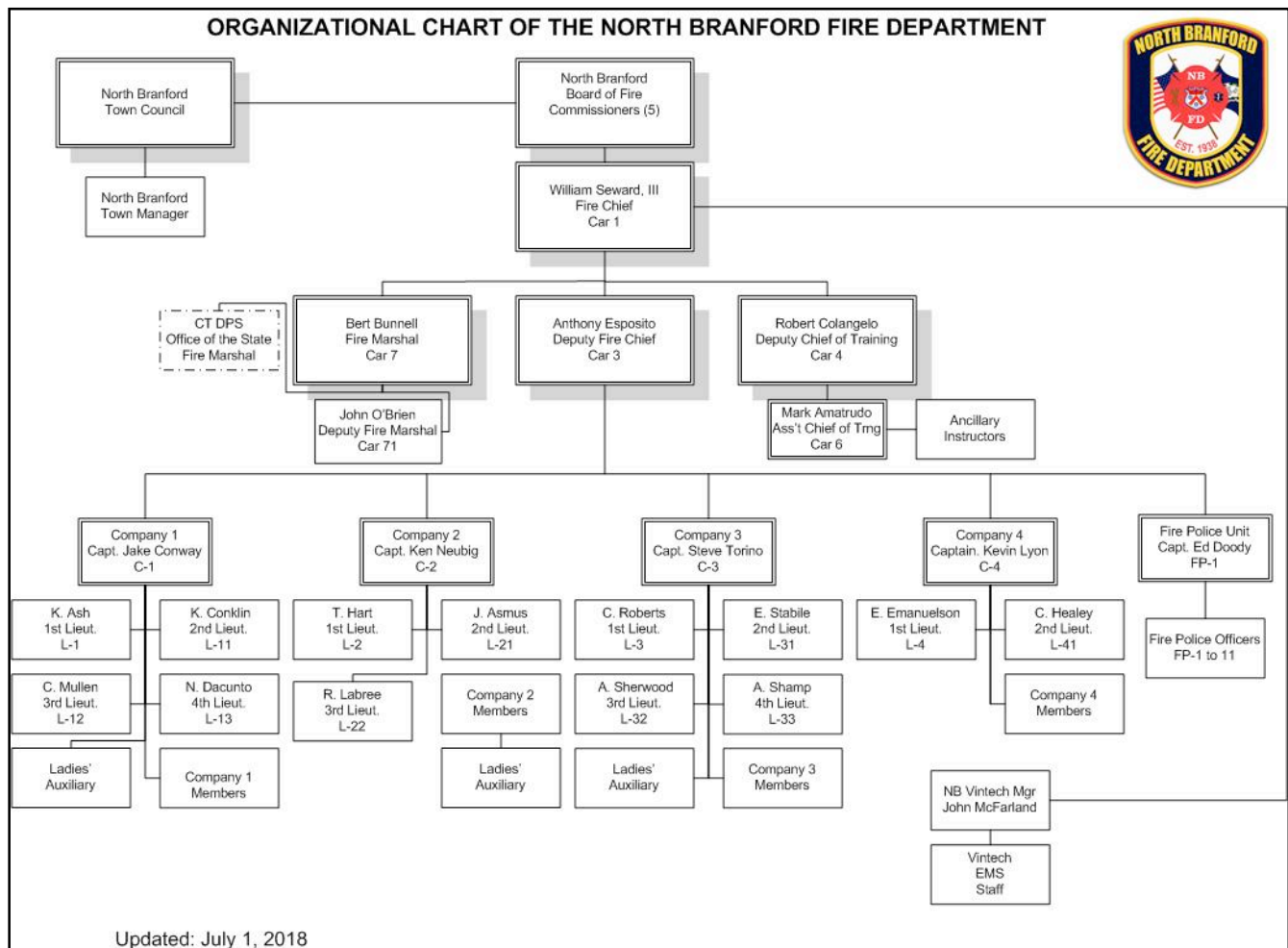
### FIRE DEPARTMENT FLEET

Company	Apparatus	Year	Manufacturer	Pump Capacity	Water Supply
1	Engine 1	1995	E-ONE	1500	1000
	Engine Tanker 11	1998	E-ONE	1250	2000
	Emergency 1	2000	GMC		
	Rescue 1	2013	PL CUSTOM		
	Tower 1	1989	E-ONE	1500	300
	Brush 1	1986	E-ONE	250	250
	Engine 2	2003	E-ONE		
2	Engine Tanker 22	1998	E-ONE	1500	1000
	Emergency 2	2000	GMC	1500	2000
	Rescue 2	2015	PL CUSTOM		
	Brush 2	1972	CHEV C-50	250	250
	Engine 3	1990	E-ONE		
3	Rescue 3	2000	FORD F-450	1500	1000
	Brush 3	1979	CHEV 30	250	250
	Tanker 3	2016	SMEAL	1000	3000
	Ambulance 4	2013	INTERN'L		
4	Ambulance 44	2015	INTERN'L		
	Ambulance 42	2008	FORD		
Admin	Car 1	2011	FORD		
	Car 7	1999	FORD		
	Car 13	2002	FORD		

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As in previous years, we continue to witness the majority of calls (1120) occurring in District 100 (61.74%). This is the area covered by Company 1 making the apparatus assigned to Station 1 the busiest. District 200/250 calls accounted for 496 (27.34%) while District 300 had 143 calls (7.88%). Moreover, the period of time between 6:00 AM and 6:00 PM remains the busiest shift with 1085 calls for service (59.81%). During FY 2017-18 apparatus in Station 1 turned out 1112 times compared to units in Station 2 with 506 and Station 3 with 178. Hence, we depend upon each member of the department to answer calls for service 24/7/365 as well as the Officers of these companies to provide excellent leadership.





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As we end FY 2017-18 as a strong and healthy department, I would like to thank the members of the Town Council, Town Manager, Honorable Board of Fire Commissioners, the men and women of the North Branford Fire Department, the Office of the Fire Marshal, members of the Fire Police Unit, the Ladies Auxiliary of each Company, employees and administration of Vintech Management Services and most importantly the Company Officer's and Chief's staff for all their hard work making the NBFD a leader in Connecticut's professional volunteer fire service.

Respectfully Submitted,

*William Seward, III*  
Fire Chief

**27 July 2018**  
Date



END OF REPORT