

Fire Departments and Emergency Medical Services in New Hampshire

2013/FY13-2016/FY16



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INTRODUCTION

Municipalities utilize different types of fire departments: career, call, volunteer, and combination departments. Career fire departments employ their personnel on a full-time basis and receive regular compensation. Call fire departments receive nominal benefits and are paid when called out. Volunteer fire departments receive no compensation. A combination department usually has a limited number of personnel who are paid on a full-time basis that is augmented with a call force. Generally, career departments will be more expensive than combination departments, which will be more expensive than call departments, which will be more expensive than volunteer departments. Career departments are also known as full-time departments. Some fire departments are full-time by day but call by night and/or on weekends.

There are over 30,000 fire departments in the United States of which only about 12% are full-time departments¹. Not knowing how many full-time departments there were in New Hampshire, I did a little research and put the information in this document. There are a total of 227 local fire departments in New Hampshire of which only six (6) fire departments are true full-time departments (use full-time personnel exclusively). The other “full-time” fire departments are combination departments.

New Hampshire has 234 incorporated municipalities of which 13 are cities. Interestingly, not all the cities are big as several are very small population-wise.

- New Hampshire has 25 unincorporated towns called townships with one in Grafton County (Livermore), one in Carroll County (Hale's Location), and the rest in Coos County. None of them have their own fire department but contract out for fire and ambulance services.
- New Hampshire has 22 fire districts with taxing authority to provide either just fire services or water and fire services. However, some of these fire districts are under pressure to merge. For example, Ossipee just completed a fire study that concluded it was more cost effective to consolidate the three fire districts into one town department. Andover voters approved a warrant article to study the consolidation of their two districts into one town department after agreeing to make Andover Rescue a town department.

The National Fire Protection Association (NFPA) developed a standard, known as NFPA 1710, to guide full-time fire departments on the minimum number of personnel needed for safe and effective firefighting. Specifically, it says that a minimum response of 13 to 15 firefighters must arrive within 8 minutes, 90% of the time. To provide EMS care (including transport), the State of New Hampshire and NFPA 1710 requires at a minimum 2 personnel. With the majority of the call volume increasingly becoming EMS related, I choose two (2) in-house EMTs and/or firefighters to be the minimum staffing level as the requirement for a fire department to be deemed capable of providing immediate coverage.

Two represents the minimum number of personnel to respond to an EMS call not to a structure fire. The Occupational Safety and Health Administration (OSHA) 29 CFR 1910.134(g)(4) defines a “2-in/2-out” rule for fighting interior structure fires. Responding to a structure fire with less than four firefighters prevents the first responding unit from complying with OSHA’s “2-in/2-out” rule, and places the lives of those firefighters in jeopardy. Whether the towns listed in this document comply with this regulation is not known nor is that the purpose of this document. However, OSHA’s “2-in/2-out” rule may be considered a standard of care and a municipality may be liable if it is not followed.

The coverage information is provided in four tables. The first table lists those fire departments that provide immediate coverage 24/7. The second table lists those fire departments that provide immediate coverage for some portion of the day. All provide immediate coverage during the weekday because of the difficulty getting call firefighters to respond during the day. The coverage end time varies anywhere from 4PM to midnight. Each table lists the town, its last known population and land mass area in square miles, who dispatches the fire department, the budget numbers for fire and ambulance/EMS, ambulance revenue, staffing information, and call volume.

¹ U.S. Fire Department Profile Through 2003. January 2005. Michael J. Karter, Jr.

Fire Departments and Emergency Medical Services in New Hampshire

The third table lists those fire departments that provide 24/7 coverage but it is not immediate coverage as there is no staff in-house when the call first comes in. In other words, it lists the call and volunteer fire departments. NFPA 1720 guides volunteer fire departments on the minimum number of personnel needed for safe and effective firefighting. Specifically, it says that a minimum response of six firefighters must arrive within 14 minutes 80% of the time.

The fourth table lists those towns with no fire department along with who they contract out for fire and ambulance service, and the costs for those services.

While this document will not provide staffing information for the call/volunteer departments, it should be noted that the number of people able to participate as firefighters has dropped significantly in many towns for several reasons: time demands, increased training requirements, increase in call volume requiring more time commitments, changes in sociological conditions, fire leadership problems, and increasing use of combination departments². As a result, many volunteer or on-call fire departments are starting to hire two daytime firefighters as this is considered to be the time period of greatest need. This can be seen here in NH as several towns (Auburn, Bridgewater, Carroll, Campton-Thornton, Chester, East Kingston, Farmington, Lee, Milton, New Hampton, New London, and Tuftonboro) have done this over the last few years. In order to handle the increase in paperwork and inspections, a couple of towns hired a daytime firefighter but several towns have hired a full-time chief.

- A full-time chief was hired in Bristol in 2000, Tuftonboro in 2001; Hampton Falls, Holderness, Jaffrey, and Sanbornton in 2002; Amherst and Lancaster in 2003; Loudon, and New Castle in 2004; Kingston, Sandown and Tamworth in 2005; Farmington and Pittsfield in 2006; Barrington, and New London in 2007; Freedom, Hampstead and Swanzey in 2008; Hopkinton in 2009, Bethlehem and Epping in 2010, and Lee in 2014.
- Alton hired a full-time chief in 2004 but when he retired in 2008, it reverted back to a part-time chief position.
- East Kingston hired a full-time chief in 2007 but it reverted back to a part-time position in 2010.
- There are a total of 77 full-time fire chiefs employed in NH with 150 on-call/part-time fire chiefs. To see the list of full-time fire chiefs and when that position was first made full-time, please see Appendix A.

Fire Budgets

Many towns follow the MS-2 budget layout by the Department of Revenue. The MS2 is defined in the Rev1700 rules using a Uniform Chart of Accounts. The DRA rules for the chart of accounts were fashioned after a nationwide standard numbering system and were designed for general-purpose external financial reporting. Municipalities are free to use any format for internal financial reporting such as for budgeting or cost accounting. As such, most municipalities employ it as an accounting based budget rather than a full-cost budget based on department. For example, the MS2 budget allows a municipality to roll up life insurance, disability insurance, workers comp, unemployment insurance, and property & liability insurance as well as employee benefits (medical insurance – health and dental) into the insurance account (4196); legal fees can be rolled up into the legal account (4153); and building maintenance into the buildings account (4194) which are all part of the General Government budget

Full-cost budgeting has all costs allocated to each department so it is clear what it costs to run that department. As such, a full-cost budget for the fire department has wages, benefits, insurance, legal fees, utilities, fuel, equipment repairs, mechanic, and hydrant rentals (if appropriate) in its departmental operating budget. I am keeping capital budget (including debt service) separate since most towns do capital outlays as warrant articles.

The only municipalities that I am aware of that do a full-cost operating budget are Bow, Campton-Thornton, Derry, Durham, Goffstown, Hanover, Henniker, Laconia, Plymouth, Rye, Salem, Tilton-Northfield, Wolfeboro, and the various fire districts in Andover, Chesterfield, Conway, Haverhill, Ossipee, Plainfield, and Walpole. For example, among those departments providing immediate 24/7 coverage:

² "Retention and Recruitment in the Volunteer Fire Service: Problems and Solutions", December 1998

Fire Departments and Emergency Medical Services in New Hampshire

One possible way to assess a fire department is by determining the cost to protect all property in the municipality it serves. This includes not just taxable properties but all properties. This is shown in Appendix D.

- The town of Durham and the University of New Hampshire jointly fund the Durham fire budget with UNH paying about 45% of the budget. Similarly, Plymouth State University pays 28% of the fire budget to the town of Plymouth and guarantees ambulance payment for on-campus responses. Dartmouth College pays just under 20% of the Hanover Fire budget though this is not based on a contractual agreement but based on properties the college owns and pays property taxes on. Keene State College recently agreed to pay a yearly fixed fee to the Keene fire department.
- The Campton-Thornton fire district budget is shared by three towns (Campton, Thornton, and Ellsworth) via an intergovernmental agreement with Campton paying 58%, Thornton 38%, and Ellsworth 4% of the operating budget. For the capital budget, Campton pays 60% and Thornton 40%.
- The Tilton-Northfield fire district budget is shared with Tilton paying 61% and Northfield 39%.
- The Croydon Volunteer Fire Department is a private, non-profit organization and is not funded by the town. The Alexandria, Colebrook, Plainfield and Meriden Fire Departments are private organizations partially funded by the town.
 - The Alexandria Fire Department (not the town) owns its fire station and most of its fire apparatus. There is a contract between the town and the fire department for fire services. The town does provide some funding toward fire operations via a warrant article each year.
 - The Croydon Fire Department owns its fire station as well as the fire apparatus. The town provides workers compensation coverage but contributes nothing else to their budget.
- Amherst fire department became a town department in 1960. The Barnstead and Canterbury fire departments were private organizations funded by the town but they became municipal departments in 2010.
- The Hinsdale Fire Department was formed in 1893 with the merger of the Hinsdale Hose Company and the Hinsdale Hook and Ladder Company.
- The Gilmanton Hills Fire Department became the Gilmanton Iron Works Fire Department in 1962 and the Peaked Hill Fire Department became the Gilmanton Corners Fire Department in 1974. Gilmanton merged its two fire departments into one department in 1988.
- Barnstead merged its fire (2) and rescue (1) departments into one single entity in 1995.
- The Lancaster EMS department became a municipal department in 1970 after the local funeral home stopped offering the service. Lancaster merged its fire and EMS departments in 2003.
- Derry merged its remaining two fire districts into one department in 2005.
- The Jefferson FAST Squad merged with the fire department in 2005.
- Fremont merged its fire and rescue departments in 2007. Barrington merged its ambulance squad with the fire department as did Bradford Rescue in 2007.

Ambulance Service

EMS services are coordinated through the State's Bureau of Emergency Medical Services. For ambulance service, New Hampshire has two levels: Basic level service (Amb) and Advanced level service (Amb) with each community deciding what EMT level is needed for ambulance staffing. However, the state requires two (2) licensed personnel to be in a transporting ambulance at all times.

- For BLS service, one of the licensed personnel has to be at least an EMT-B.
- For ALS intermediate, one of the licenses personnel has to be at least an EMT-I or higher.
- For ALS paramedic, one of the licensed personnel has to be at the EMT-P level.

Fire Departments and Emergency Medical Services in New Hampshire

Many towns contract out for private ambulance service. Therefore, the entry in the ambulance budget column reflects the cost of that contract. When the ambulance service is budgeted separate from the fire service, it likely does not reflect the true cost of operating the ambulance service. Some towns don't break out the cost of ambulance service, primarily because its firefighters are cross-trained and can function either as a firefighter or an EMT depending on the nature of the call. For such towns, the fire budget covers both fire and ambulance service, and the ambulance budget column will have an entry of NBO which means "Not Broken Out".

The bottom line is that towns providing ambulance service are not consistent in how they fund their ambulance budget.

- Laconia has a unique arrangement with the local hospital. Laconia hires the firefighters to staff the ambulance but is reimbursed by the local hospital. The hospital buys the ambulances and is responsible for maintaining them. In return, the hospital does all the billing and keeps all the revenue from ambulance fees.
- Plymouth divides the cost of funding its ambulance service among the participating towns. So, to get the actual cost, one needs to add the ambulance service costs of Plymouth plus the other towns and it is this number that is reflected in the ambulance budget column.
- Peterborough's ambulance service has undergone a transformation over the last few years. It started off as a self-sustaining service (no cost to the participating towns in 2004). Then, Peterborough asked towns to share the cost of the lease payments on the new ambulance (as indicated in the 2005 and 2006 numbers). Being a volunteer service, it became more difficult to get volunteers to roll the ambulance. So, Peterborough hired full-time staff and the participating towns were asked to share in that cost (as indicated in the 2007 numbers).
- Auburn, Candia, Claremont, Durham, Freedom, Holderness, Manchester, Milford, Nashua, Newton, Swanzey, and Warner provide a paramedic-level non-transport first responder service to its residents.
- Allenstown, Chester, Danbury, Dublin, Frankestown, Fremont, Gilsum, /Greenfield, Greenville, Harrisville, Jaffrey, Litchfield, Littleton, Mason, Moultonborough, New Castle, New Ipswich, New London, Newbury, Rindge, Sandwich, Somersworth, Springfield, Sunapee, Surry, Tuftonboro, Westmoreland, and Wolfeboro provide an intermediate-level non-transport first responder service to its residents

The fees and patient receipts are revenue deposited in either the General Fund or into a special reserve fund. Ultimately, both mechanisms are used to reduce taxes in some form. For example, ambulance fees for Antrim, Deering, Goffstown, Hampton and Hollis go into a special EMS reserve fund, which is then used to fund the ambulance/EMS budget for the following year.

- The collection rate (of allowable billables) for towns offering ambulance service ranges from the mid-fifties to the upper-eighties.
- The service fee paid by towns to their billing company ranges from 6.5% to 10%. Nottingham does its own billing.
- Brookline provides ambulance service free of charge to its residents.
- Antrim and Greenland start charging for ambulance service in late 2004. Bridgewater started charging for ambulance service in late 2005. Alstead and Deering started charging for ambulance service in 2006. Plymouth and Seabrook started charging for ambulance service in 2007. Washington Rescue and Fitzwilliam started charging for ambulance service in 2008. Bradford Rescue started charging for ambulance service in 2009. Andover Rescue becomes a town department and starts charging for ambulance service in 2010. Kensington started charging for ambulance service in 2010. Bethlehem and New Boston started charging for ambulance service in 2011. Marlow started charging for ambulance service in 2012. Salisbury started charging for ambulance service in 2016.

Fire Departments and Emergency Medical Services in New Hampshire

- Franconia starts its own fee-based ambulance service in 2006. South Hampton starts its own fee-based ambulance service in 2007. Campton-Thornton starts its own fee-based ambulance service in 2008. East Kingston and Hampton Falls start their own fee-based ambulance service in 2009. Lisbon starts its own fee-based ambulance service in 2011.
- Woodsville Rescue Ambulance service takes over ambulance service from Cottage Hospital Volunteer Ambulance Service in 1988 and is run by the Woodsville Fire District.
- Wilton took over the non-profit Wilton ambulance service in 2007.
- Loudon provides ambulance service to Chichester during the weekday. Loudon and Chichester alternate coverage on weekends with each town keeping the ambulance revenue for the weekends they cover.
- The Upper Connecticut Valley Hospital (UCVH) ran the Colebrook and Pittsburg Ambulance Corps as volunteer organizations. Due to a lack of volunteers, this ambulance service stopped during 2008. It was replaced by the 45th Parallel EMS, a non-profit ambulance service. The UCVH donated its three ambulances and emergency services equipment to this new organization. This new organization also purchased the ambulance from the town of Pittsburg.
- North Walpole switches ambulance service from Lefevre Ambulance to Golden Cross in 2008. Acworth switches from Lefevre Ambulance to Golden Cross in 2010 as Lefevre Ambulance goes out of business.
- Atkinson, Danville, Hampstead, Newton, Plaistow, and Sandown switch ambulance service from AMR to Trinity EMS in 2009.
- Eaton, Freedom, Madison, and Tamworth switch ambulance service from MedStar to North Conway Ambulance in 2010.
- Easton, Littleton, and Sugar Hill switch ambulance service from Ross Ambulance to Calix Ambulance as Ross Ambulance goes out of business.

The following table shows the number of emergency ambulance transport providers in New Hampshire and what percentage of that total fall in the five categories just mentioned.

BLS/ILS Providers	Fire Dept	Muni Dept	Non-Profit	Hosp	Priv - Comm
127	66%	10%	12%	2%	10%

Knowing what percentage of emergency ambulance transport providers are fire department based, non-profit, hospital-based, commercial, or municipal-based, the following shows what percentage of towns is serviced by emergency ambulance transport providers in each State.

Fire Dept	Muni Dept	Non-Profit	Hosp	Priv - Comm
53%	12%	12%	4%	18%

Due to rounding the total percentages may be slightly below or above 100%. Please note that the above table does not take into consideration the ambulance services providing paramedic intercepts. It only reflects those ambulance service providers with emergency ambulance transport contracts with the municipalities in the State. You can see from the tables that 9% of emergency ambulance transport services are provided by commercial ambulance companies but they cover 20% of the towns.

Estimating Ambulance Service Costs

For towns that don't break out the cost of their ambulance and fire services separately due to having cross-trained personnel, how can one estimate the cost of the ambulance service? A generally accepted costing model on how to estimate the cost of EMS services for such a fire department has the following formula:

Fire Departments and Emergency Medical Services in New Hampshire

- A. Personnel Costs = average on-call time x average hourly labor rate x average number of personnel on the call x number of incidents prior year. (Hourly rate includes benefits)
- B. Vehicle = (Operating cost per mile x annual call miles) + annual cost for ambulance replacement.
- C. Supplies = Actual Cost of Medical Supplies per year + costs of billing service.
- D. Indirect Costs = 25% (A+B+C). 25% is used as a factor to address other benefits and training costs.

Several fire departments in the state use this formula in determining the fee to charge towns contracting for ambulance service. There is some merit to taking the formula in part A and multiplying it by the number of shifts but that is not considered part of the formula at this time.

Several career departments will send an accompanying engine to EMS calls. This can increase fuel cost by \$10,000 to \$15,000. One fire chief indicated that there is also an increase in the wear and tear on the engine. A fire study done for Smithfield Fire Department in Rhode Island indicated that perhaps such a department invests up to \$150,000 per year in the fire departments making EMS runs, exclusive of the salaries. Hence by sending these engines, the fuel and maintenance budget increases by about 60% but the total fire department budget increases only by about 3%.

Staffing Levels

The first line in the staffing levels column shows full-time and on-call. Full-time personnel are career firefighters, chief officers, and any full-time civilians (i.e., executive secretary). The initial staffing levels in 2006/FY07 are shown and if there has been any change in staffing levels, it will be followed by an arrow ('=>') and then the new levels. The second line in the staffing levels column reflects the number of shifts using full-time personnel with the following exceptions:

- Newport provides immediate fire and EMS coverage during the weekday but nights and weekends are still on-call although they have one full-time firefighter on duty at all times.
- Farmington provides immediate fire and EMS coverage during the weekday but nights are still on-call although they have one full-time firefighter on duty to provide initial EMS coverage.
- Gorham and Peterborough provide immediate EMS coverage during the weekday using full-time and/or part-time personnel with nights and weekends being on-call.
- Conway Village provides immediate coverage during the weekday but nights and weekends are still on-call although they have one full-time firefighter on duty during the day on weekends.
- Goffstown started providing immediate 24/7 EMS coverage in 2005 with a night shift of two personnel. Immediate fire coverage is provided during the day from 6AM to 6PM.
- Bow started providing immediate 24/7 coverage in late 2006. They rely on part-time and call firefighters for Saturdays but use full-time fighters for all other days.
- For Alton, the ambulance service is staffed each day during the summer months only.
- Henniker starts immediate ambulance coverage during the weekday in 2001 and 24/7 immediate ambulance coverage in 2009 Sunday through Thursday utilizing part-time help at night.
- For Pittsfield and Lancaster, the ambulance service is staffed round the clock using two personnel comprised of full-time, part time, and/or on-call personnel. For Pittsfield, these personnel are specific to the ambulance service and cannot be used as firefighters except when called in while off-duty.

The fourth line is the number of fire stations in the municipality or district.

Firefighters are trained for firefighting and for EMT duties. Emergency response has been consolidated into many fire departments such that the majority of the call volume for a fire department today is EMS-related not fire. In fact, over the last 20 years, the number of EMS responses has more than tripled while fires have decreased

Fire Departments and Emergency Medical Services in New Hampshire

by almost 50%³. It is estimated that 62% of all fire department calls in 2004 were EMS-related and remains so today⁴. As we have seen with the floods that NH experienced in May 2005 and March 2006, fire departments are expected to respond to natural disasters. With the advent of 9/11, fire departments also are expected to respond to acts of terrorism. So, the role of a firefighter has changed dramatically from years ago. The fire department is also involved in fire prevention activities (such as public education and property inspections) and on-going training of its personnel which does not show up in the call volume data.

Shifts

The third line is the shift schedule (for those departments that provide 24/7 immediate coverage). A department with three shifts typically employs a 24/48 shift. This means one day (24-hour) on followed by two days off with one Kelly day every third week. A department with four shifts typically works 42 hours per week and the work shift is employed in a variety of ways. A 24/72 shift means one day (24-hour) on followed by three days off. A 10/14 shift means two 10-hour days followed by two 14-hour nights followed by four days off. A 12/12 shift means two 12-hour days followed by two 12-hour nights followed by 4 days off. An 11/13 shift means two 11-hour days followed by two 13-hour nights followed by four days off. A 1-1-1-5 shift means one day on followed by one day off followed by one day on then five days off. A 1-2-1-4 shift means one day on followed by two days off followed by one day on then four days off. All the different shifts are depicted in Appendix C at the end of this document. Goffstown has a 12-hour workday with a 2on/2off/3on/2off/2on/3off shift. This means 2 days on followed by 2 days off then 3 days on followed by 2 days off then 2 days on followed by 3 days off. This allows a three-day weekend every two weeks and averages out to a 42-hour workweek.

Call Volume

The calls for service (CFS) were taken from town reports or provided by the fire department. There are some cases where the EMS data came from NFIRS or TEMSIS and that will be indicated with a footnote.

- The NH State Fire Marshal's office is in charge of the New Hampshire Fire Incident Reporting System (NHFIRS). RSA 153:11 requires that every fire occurring in the state be reported to the State Fire Marshal's office. The fire marshal's office now requires that every fire department report all incident data (fire or otherwise) to the State Fire Marshal's office. Any fire department applying for federal grants is required to submit all incident data to NHFIRS. If a fire department is found not to be in compliance with NHFIRS after receiving such a grant, that department could be asked to refund all grant monies.
- The NH Bureau of Emergency Medical Services maintains a Trauma Emergency Medical Services Information System or TEMSIS per RSA 153-A. Each EMS provider licensed in the state is expected to enter all patient contact information into this system in an effort to improve and insure top quality out of hospital emergency medical care to all residents of the State.

Roughly thirty of the towns listed in this document are on a fiscal year. However, except for Derry, Grantham, and Hanover the call volume numbers are for the calendar year. The calls for service are broken down into EMS and other calls. An EMS call is defined to be medical, motor vehicle accidents, and rescue related since this is the definition used by NFIRS. Non-EMS (other) calls are fire, hazard, hazardous materials, and service calls. To the extent possible, I have tried to exclude service calls dealing with inspections (i.e., new homes, oil burners, chimneys, wood stoves, etc), training classes, and meetings as these are not emergency calls. Some towns (like Salem) report only emergency calls; other towns report emergency and non-emergency calls. At least one fire department does not count a motor vehicle accident as an EMS call unless the accident victim requires transport. Motor Vehicle calls may actually show up in both EMS and other calls if the town has both a rescue squad and fire department.

- A '#' symbol in any call volume column indicates that the town report did not provide this information.

³ Effective Fire Protection: A National Concern. A Study by the Insurance Service Office (ISO).

⁴ Fire Loss in the United States During 2004. September 2005. Michael J. Karter, Jr.

Fire Departments and Emergency Medical Services in New Hampshire

- Bridgewater, Franklin, Gilmanton, and Waterville Valley do not break down their call volume in their town reports so the breakdown was taken from the Lakes Region Mutual Fire Aid Association (LRMFA) web site. This is also true for many of the call departments dispatched by the LRMFA. The EMS-related call volume number for these towns represents the number of medical and motor vehicle accidents.
- The EMS call volume numbers for those towns with a private ambulance service are responses by the fire department not the private ambulance service. Manchester and Nashua send an engine on most ambulance calls to begin primary care and use a private ambulance service for transport.
- The following towns provide ambulance service to other towns. The number in parenthesis is the number of towns each town services including itself. Keene (7), Lancaster (7), Peterborough (6), Bristol (5), Plymouth (4), Groveton (4), Newport (4), Antrim (3), Bradford (3), Derry (3), Gorham (3), Hopkinton (3), Hanover (3), Marlow (3), Wilton (3), Campton-Thorton (3), Amherst (2), Brookline (2), Hebron (2), Hillsborough (2), Hudson (2), Loudon (2), Newmarket (2), Wakefield (2), Portsmouth (2), and Whitefield (2). So, the EMS call volume numbers for these communities are not specific to that town alone.
- The Amherst, Brookline, Charlestown, Gorham, Milford, Northumberland (Groveton), and Wilton fire departments do not provide ambulance service; it is a separate ambulance service within the town. However, they are both municipal departments and hence, the statistics are listed as if one department.
- Several towns (Bradford, Deerfield, Enfield, Franconia, Fremont, Goshen, Grantham, Lempster, Lisbon, Lyme, Mason, Monroe, Piermont, Rumney, Sandown, Shelburne, Springfield, Sutton, Tamworth, Temple, and Wilmot) have a rescue/first responder squad that may or may not be independent from the fire department. For those towns with such squads, their call volume is reflected in the EMS calls. If the rescue squad is separate from the fire department then its call volume will be reflected in green. If the rescue squad is part of the fire department then its call volume will be in black and the total calls will include the rescue calls. Some rescue squad numbers will cover other towns as well.
 - The Temple and Shelburne rescue squads were formed in 2004.
 - The Errol Rescue Squad, Lisbon Life Squad, and Canaan FAST Squad are not municipal departments. They are private.
- Center Conway fire district, Cornish, Croydon, East Conway fire district, Errol, Landaff, Milan, Richmond, Randolph, and Redstone did not have call volume data in their town or district reports nor did NFIRS have any information so they are not shown in this document.

Keep in mind that the call volume does not reflect the call response time. For example, the call volume may go down by a few calls but the call response time may actually be higher. So, call volume alone is not necessarily the only indicator of measuring the “busyness” of a fire department. Another example is the number of EMS calls. While the number of EMS calls may represent 62% of all calls, it is important to remember that an EMS call typically requires on average about 45 minutes and two or three personnel. Fire calls frequently require most, if not all, on-duty personnel and take many hours to mitigate. When looking at it from this perspective, the number of hours spent performing EMS functions versus fire functions is more like 50% each. Unfortunately, in at least one municipality, the officials looked at the call percentage and concluded that if the EMS service was privatized, it would reduce workload by 62% and hence, the fire department would not need as many personnel. Therefore, it cannot be stressed enough that call volume alone is not necessarily the only indicator of measuring the “busyness” of a fire department.

A comparison of municipal call volume across the New England States can be found in Appendix B to see if there are any trends in EMS and/or fire calls across New England.

Mutual Aid

An issue of growing concern for some fire departments is the increase in the number of simultaneous calls. This is not an area that much attention has been paid to but it puts additional stresses on a department. When an incident or multiple simultaneous incidents occur such that the available local fire department resources are overwhelmed, then additional help is summoned from other nearby fire departments. When fire departments help each other in this fashion, it is called Mutual Aid. In fact, a recent survey conducted for ISO⁵ indicates that over 50% of fire departments call on mutual aid to respond to initial alarms for a structure fire due to lack of responders.

In some communities, a fire department in an adjacent municipality can provide a quicker response than the local fire department. Typically, these fire departments enter into an Automatic Mutual Aid agreement. Automatic Aid provides for a fire department in another municipality to immediately respond to reported fires because it is closer, thus providing the quickest response of manpower and equipment to incidents, and allowing more of the municipality to remain protected at all times. In the same ISO Survey, over 60% indicated that neighboring departments responded due to Automatic Aid agreements.

Automatic Mutual Aid is set up as agreements between participating fire departments. Mutual Aid is set up as Run cards and clearly defines which fire departments are to respond to a fire when requested at different fire alarm levels.

Mutual Aid is covered under RSA 154:30 for fire and RSA153A:19 for EMS. To form a Mutual Aid District, the communities involved must petition the State Fire Marshal. There are currently 13 Mutual Aid Districts (see Appendix E) in the state and they belong to the Federation of Mutual Aid. There are communities in Maine, Vermont, and Massachusetts that belong to various mutual aid organizations throughout the state. Besides providing mutual aid, these organizations may also be used for joint training, group purchases, coordination of equipment purchases, and dispatch.

Fire Dispatch

One of the keys to limiting damage caused by fire is the response time. NFPA 1710 sets a goal for all fire departments to respond to a fire within 6 minutes. Response time is defined as the time from when a 911 call is first received to the time a fire truck arrives on scene. Part of this 6-minute window is 1 minute for dispatch time. Fire and ambulance agencies are dispatched from a dispatch center. Some people believe that all 911 calls go directly to their local dispatch center rather than to a central location. Basic 911 Service is an emergency telephone system that automatically connects 911 callers to a Public Safety Answering Point (PSAP). Enhanced-911 service does the same plus shows the caller's name, street address, and telephone number to the PSAP. This allows the PSAP to identify the caller's location automatically if the caller is unable to communicate this information verbally to the PSAP call taker.

New Hampshire has one primary PSAP located at the Department of Safety in Concord and a secondary PSAP in Laconia. New Hampshire and Rhode Island are the only states to have consolidated their PSAPs into one location. This saves money on upgrade costs because it is in one location rather than multiple locations.

All calls to 911 in New Hampshire are routed to a single PSAP managed by the Bureau of Emergency Communications and are paid for by a monthly user fee on all telephones (land and wireless). Police and fire calls are immediately transferred to the appropriate local dispatch center (of which there are about 86). For medical emergencies, the appropriate EMS responder is called but the PSAP dispatcher stays on the line to provide appropriate emergency medical instructions while waiting for the responder to arrive.

Of the 86 local dispatch centers, three are fire-only dispatch centers: Capital Area Compact, Lakes Region Fire Mutual Aid, and Southwestern New Hampshire District Fire Mutual Aid providing dispatch services to 23, 37, and 78 fire and EMS departments, respectively.

⁵ Fire Chief's Opinion 2008. ISO, September 2008

Issues Facing Fire Departments in NH

1. Aging apparatus and facilities. It is estimated that almost half of all engines in NH fire departments are at least 15 years old⁶. This is close to the national average. The industry standard for the life span of a fire engine is 15 years followed by 5 years of reserve status. Starting in 2007, the EPA's new emission standards go into effect to which the fire apparatus industry must comply. It is estimated that this will increase the cost of a new engine by as much as 50K. These new emission standards will significantly reduce the amounts of nitrous oxide, particulate matter, and non-methane hydrocarbon (NMHC) emissions.

Roughly one-third of the existing fire stations are estimated to be over 40 years old, a majority of which have no backup power and are not equipped for exhaust emission control per NFPA 1500 2002 9.1.6.

2. Providing firefighters with proper and up-to-date equipment such as portable radios, SCBA units, Personal Alert Safety System devices, and personal protective clothing. The protective clothing costs about 2,000 and the SCBA units cost about 4,500 on average.⁷

CAVEAT EMPTOR

The personnel and number of stations initially came from the Fire Department Census Survey found on the US Fire Administration website and were cross-referenced with information from the town web sites and/or town reports. The population numbers were taken from the State's Office of Energy and Planning web site.

The information in this document came from various sources (town reports, town officials, fire personnel) and the information was verified to the extent it was possible. While I tried to be as accurate as possible, there is the possibility for errors. Hopefully, if there are any errors, someone will be kind enough to point them out to me.

⁶ A Needs Assessment of the Fire Service: New Hampshire. June 2004. John R. Hall, Jr and Michael J. Karter, Jr.

⁷ National Volunteer Fire Council 2005 Fact Sheet.

Fire Departments and Emergency Medical Services in New Hampshire

Change Summary

2004/FY05:

Lee starts providing immediate coverage during the day by hiring two full-time firefighters. Loudon, and New Castle fire chief position made full-time. Antrim and Greenland start charging for ambulance service in late 2004.

2005/FY06:

Auburn, Bridgewater, Peterborough start providing immediate coverage during the day
Chester hires first full-time firefighter.
Kingston, Sandown, and Tamworth hire first full-time fire chief.
Goffstown starts providing 24/7 immediate EMS coverage.
Hampton decreases staffing by six firefighters due to repeated default budgets.
Kingston and Littleton increase firefighter staffing by one.
Laconia increases shift staffing by one by hiring four additional firefighters.
Bridgewater starts charging for ambulance service in late 2005.

2006/FY07:

Bedford, Hanover, and Somersworth increase shift staffing by one by hiring four additional firefighters.
Bow starts providing 24/7 immediate coverage.
Concord decreases staffing by one firefighter position.
Campton-Thornton and Tuftonboro start providing immediate coverage during the day.
Farmington and Pittsfield hire first full-time fire chief.
Alstead and Deering start charging for ambulance service.
Franconia starts its own fee-based ambulance service.

2007/FY08:

Bedford increases shift staffing by one by hiring three additional firefighters.
Hudson increases staffing by two firefighters to increase daytime staffing levels.
Lebanon increases shift staffing by one by hiring four additional firefighters.
Littleton increases staffing by two firefighters and now provides 24/7 immediate coverage.
Pelham increases shift staffing by one by hiring four additional firefighters.
Salem increases shift staffing by hiring four additional firefighters.
Portsmouth hires Fire Prevention Officer
Chester, Milton and New London hire second full-time firefighter to provide immediate daytime coverage.
New Hampton hires two full-time firefighters to provide immediate coverage during the day.
Campton-Thornton hires two full-time firefighters to support their new ambulance service.
Barrington, East Kingston and New London fire chief position becomes full-time
Barrington ambulance merges with Barrington Fire department.
Bradford Rescue merges with Bradford Fire department.
Plymouth and Seabrook start charging for ambulance service.
South Hampton starts its own fee-based ambulance service.
Wilton takes over the non-profit Wilton-Lyndeborough-Temple ambulance service

2008/FY09:

Carroll hires second firefighter to provide daytime immediate coverage.
Concord decreases shift staffing by one with 3 firefighter positions eliminated
Barrington hires firefighter to provide faster response time during day.
Keene increases shift staffing by one by hiring three additional firefighters.
Goffstown increases staffing by hiring two additional firefighters.
Hampton increases shift staffing by one by hiring four additional firefighters.
Sanbornton hires second full-time firefighter to provide immediate daytime coverage.
Portsmouth increases staffing by one by hiring paramedic
Windham increases shift staffing by one by hiring four additional firefighters.
Campton-Thornton starts its own fee-based ambulance service.
Hopkinton increases staffing by one to provide better ambulance service.
Freedom, Hampstead, and Swanzey fire chief positions become full-time.
Washington Rescue and Fitzwilliam FD start charging for ambulance service.

Fire Departments and Emergency Medical Services in New Hampshire

2009/FY10:

Atkinson, Danville, Hampstead, Newton, Plaistow, and Sandown switch ambulance service from AMR to Trinity EMS
Bradford Rescue converts from a free service to a fee-based ambulance service.
Concord decreases shift staffing by two with eight firefighter positions eliminated.
Derry decreases shift staffing by one with four firefighter positions eliminated.
East Kingston and Hampton Falls start their own fee-based ambulance service.
Fitzwilliam converts from a free service to a fee-based ambulance service.
Hopkinton fire chief position becomes full-time.
Northwood hires two additional firefighters/EMTs for the purpose of extending ambulance coverage.

2010/FY11:

Acworth switches to Golden Cross Ambulance when Lefevre Ambulance closes its doors.
Andover Rescue becomes a town department and starts charging for ambulance service.
Barnstead and Canterbury fire departments become municipal fire departments.
Bethlehem fire chief position becomes full-time.
Epping fire chief position becomes full-time.
East Kingston fire chief position reverts back to part-time.
Tuftonboro and Freedom switch to North Conway Ambulance

2011/FY12:

Eaton, Madison, and Tamworth switch to North Conway Ambulance
New Boston started charging for ambulance service.
Lisbon starts its own fee-based ambulance service.

2012/FY13:

2013/FY14:

Easton, Littleton, and Sugar Hill switch ambulance service from Ross Ambulance to Calex Ambulance.
Somersworth switches ambulance service from AMR to American Ambulance Service

2014/FY15:

Lee's fire chief position becomes full-time.
Rollinsford switches to York Ambulance after South Berwick Rescue closes operations.

2015/FY16:

Harrisville and Marlborough switch to DiLuzio Ambulance after Marl-Harris Ambulance closes operations.

2016/FY17:

Salisbury started charging for ambulance service.

Fire Departments and Emergency Medical Services in New Hampshire

Fire Departments Providing 24/7 Immediate Coverage

Department	Pop/ Cover Area	Dispatch	Staffing FT/Call	EMS Calls (13-16)	Total Calls (13-16)	FD EMS Level	Amb Transport	Paramedic Services
Barnstead	4,597 over 42.0 sq mi	Lakes Region Dispatch	6/30 3 shifts of 2 24/48 shift 2 stations	380 392 359 407	606 637 570 692	Rescue, FR, Amb	Barnstead FD	Barnstead FD
Bedford	21,610 over 32.8 sq mi	Bedford PD	22/13=>29/7 4 shifts of 6 24/72 shift 1 station	1706 1818 1789 2035	2603 2603 2606 2696	Rescue, FR, Amb	Bedford FD	Bedford FD
Belmont	7,268 over 30.5 sq mi	Lakes Region Dispatch	12/20 4 shifts of 2 24/72 shift 2 stations	749 773 776 823	1217 1287 1258 1372	Rescue, FR, Amb	Belmont FD	Belmont FD
Berlin	9,612 over 61.6 sq mi	Berlin PD	20/7 4 shifts of 4/5 10/14 shift 1 station	No EMS Svc	377 517 514 499	Rescue	Berlin Amb	Berlin Amb
Bow	7,658 over 28.0 sq mi	Capitol Area Dispatch	4/40 => 6/40 3 shifts of 2 24/48 shift 1 station	622 686 612 584	1117 1190 1066 1037	Rescue, FR, Amb	Bow FD	Bow FD
Bristol	3,062 over 17.1 sq mi	Lakes Region Dispatch	7/30 3 shifts of 2 24/48 shift 1 station	652 720 682 722	946 962 1008 1062	Rescue, FR, Amb	Bristol FD	Bristol FD
Claremont	13,051 over 43.1 sq mi	Claremont PD	18/20 4 shifts of 4 10/14 shift 1 station	304 357 357 360	1003 1019 1065 1054	Rescue, FR	Golden Cross	Golden Cross
Concord ⁸	42,419 over 64.3 sq mi	Capitol Area Dispatch	118/4 => 107/4 4 shifts of 22 12/12 shift 4 stations	4763 4858 5407 5457	7216 7431 8057 7994	Rescue, FR, Amb	Concord FD	Concord FD
Derry	33,251 over 35.6 sq mi	Derry Fire	86/1 => 82/1 4 shifts of 18 24/72 shift 4 stations	2748 3081 2979 3039	4193 4526 4586 4722	Rescue, FR, Amb	Derry FD	Derry FD
Dover	30,510 over 26.7 sq mi	Dover PD	47/4 => 51/4 4 shifts of 12 1-2-1-4 shift 3 stations	2625 2824 3110 3387	6073 5154 5597 5426	Rescue, FR, Amb	Dover FD	Dover FD
Durham	15,380 over 22.4 sq mi	Strafford CSO	26/10 4 shifts of 5 1-2-1-4 shift 1 station	1147 1245 1263 1371	2530 2590 2595 2188	Rescue, FR	McGregor Memorial Amb	McGregor Memorial Amb
Exeter	14,531 over 19.6 sq mi	Exeter PD	25/13=>28/13 4 shifts of 5/6 1-1-1-5 shift 1 station	1834 1632 1607 2037	4183 4090 4583 3485	Rescue, FR, Amb	Exeter FD	Exeter FD
Franklin	8,438 over 27.3 sq mi	Lakes Region Dispatch	16/23 4 shifts of 3 1-2-1-4 shift 1 station	1087 1115 1205 1388	1628 1669 1766 1982	Rescue, FR, Amb	Franklin FD	Franklin FD

⁸ Total call volume data for Concord was taken from Capital Area Compact annual report and the staffing and EMS call volume data the annual budget. While the total call volume is based on a calendar year, it is not clear from the budget that the EMS call volume is

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	Staffing FT/Call	EMS Calls (13-16)	Total Calls (13-16)	FD EMS Level	Amb Transport	Paramedic Services
Gilford	7,116 over 38.9 sq mi	Lakes Region Dispatch	15/18 4 shifts of 3 1-2-1-4 shift 1 station	980 900 973 1142	1507 1475 1608 1689	Rescue, FR, Amb	Gilford FD	Gilford FD
Goffstown	17,802 over 36.9 sq mi	Goffstown PD	14/49 => 16/62 2 shifts of 6 2/2/3/2/2/3 shift 3 stations*	1319 1276 1319 1412	2228 2278 2259 2434	Rescue, FR, Amb	Goffstown FD	Goffstown FD
Hampton	15,177 over 12.9 sq mi	Self Dispatch	47/6 => 46/0 4 shifts of 9 10/14 shift 2 stations	2011 2284 2260 2382	3870 4297 4416 4526	Rescue, FR, Amb	Hampton FD	Hampton FD
Hanover	11,320 over 49.0 sq mi	Upper Valley Regional Dispatch	19/15=>21/12 4 shifts of 5 10/14 shift 2 stations*	1122 1118 1145 1164	1788 1811 1843 1854	Rescue, FR, Amb	Hanover FD	Hanover FD
Hooksett ⁹	13,716 over 36.4 sq mi	Capitol Area Dispatch	29/2 => 32/3 4 shifts of 6/7 1-1-1-5 shift 2 stations	1233 1245 1237 1333	2074 2113 2171 2133	Rescue, FR, Amb	Hooksett FD	Tri-Town Amb
Hudson	24,645 over 28.3 sq mi	Self Dispatch	44/18 => 46/14 4 shifts of 9/8 10/14 shift 3 stations*	2045 2319 2384 2306	3380 3286 3410 3209	Rescue, FR, Amb	Hudson FD	Hudson FD
Keene	23,419 over 37.3 sq mi	Southwest NH Dispatch	43/30 => 46/30 4 shifts of 10 2on/1off/2on/3 off 2 stations	2933 2984 3235 3355	4126 4286 4720 4865	Rescue, FR, Amb	Keene FD	Keene FD
Laconia	16,010 over 20.0 sq mi	Lakes Region Dispatch	33/7 => 37/7 4 shifts of 9 1-2-1-4 shift 2 stations*	2680 2680 3076 3333	3881 3896 4324 4865	Rescue, FR, Amb	Laconia FD	Laconia FD
Lebanon	13,599 over 40.4 sq mi	Lebanon PD	25/13 => 29/13 4 shifts of 6 10/14 shift 3 stations*	2037 2002 2203 2555	3110 2933 3181 3476	Rescue, FR, Amb	Lebanon FD	Lebanon FD
Littleton	5,955 over 50.1 sq mi	Grafton CSO	6/16 4 shifts of 2 24/72 shift 1 station	460 590 631 616	775 881 911 840	Rescue, FR	Calex Amb	Calex Amb
Londonderry	24,308 over 41.8 sq mi	Self Dispatch	47/15 4 shifts of 8 1-1-1-5 shift 3 stations	1641 1774 1812 1981	3013 3186 3170 3458	Rescue, FR, Amb	Londond. FD	Londond. FD
Manchester	110,378 over 33.0 sq mi	Self Dispatch	258/0 4 shifts of 52 24/72 shift 10 stations	14,492 15,986 15,349 19,001	19,150 20,709 21,697 24,466	Rescue, FR	AMR	AMR
Merrimack	25,599 over 32.6 sq mi	Merrimack PD	42/15 4 shifts of 9 24/72 shift 3 stations*	1495 1786 1813 1768	2376 2802 2793 2922	Rescue, FR, Amb	Merrimack FD	Merrimack FD
Nashua	87,137 over 30.9 sq mi	Self Dispatch	176/0 4 shifts of 38 10/14 shift 6 stations	4325 4171 4215 6622	13,026 12,749 12,943 11,355	Rescue, FR	AMR	AMR

⁹ Hooksett EMS call data for 2007 came from NFIRS as town report had total calls only

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	Staffing FT/Call	EMS Calls (13-16)	Total Calls (13-16)	FD EMS Level	Amb Transport	Paramedic Services
Newington	755 over 8.2 sq mi	Rockinghm CSO	10/5 4 shifts of 2 24/72 shift 1 station	298 432 538 367	613 655 834 816	Rescue, FR, Amb	Newington FD	Newington FD
North Hampton	4,372 over 13.9 sq mi	Self Dispatch	14/5 4 shifts of 3 1-1-1-5 shift 1 station	400 576 594 838	774 876 909 1199	Rescue, FR, Amb	North Hampton FD	Exeter Hosp Paramedics
Pelham	13,088 over 26.4 sq mi	Pelham PD	15/31 => 19/31 4 shifts of 4 24/72 shift 1 station	873 928 944 1036	1359 1399 1470 1483	Rescue, FR, Amb	Pelham FD	Pelham FD
Plymouth	6,987 over 28.1 sq mi	Lakes Region Dispatch	11/30 4 shifts of 2 24/72 shift 1 station	932 933 819 949	1320 1309 1292 1478	Rescue, FR, Amb	Plymouth FD	Plymouth FD
Portsmouth ¹⁰	21,440 over 15.6 sq mi	Portsmouth PD	60/0 => 62/0 4 shifts of 14 10/14 shift 3 stations	3131 3127 3335 3496	4333 4355 4687 4899	Rescue, FR, Amb	Portsmouth FD	Portsmouth FD
Rochester	29,745 over 45.4 sq mi	Rochester PD	38/40 4 shifts of 8 10/14 shift 2 stations	1037 892 1167 1335	2316 2376 2593 2779	Rescue, FR	Frisbie Hospital	Frisbie Hospital
Rye	5,329 over 12.6 sq mi	Rockinghm CSO	10/14 => 11/14 4 shifts of 2 10/14 shift 1 station	440 560 501 529	759 845 840 859	Rescue, FR, Amb	Rye FD	Rye FD
Salem	28,866 over 24.7 sq mi	Self Dispatch	65/0 => 69/0 4 shifts of 13/15 10/14 shift 3 stations	3149 3338 3400 3312	4556 4994 5170 5258	Rescue, FR, Amb	Salem FD	Salem FD
Seabrook	8,749 over 8.9 sq mi	Self Dispatch	22/17 4 shifts of 5 24/72 shift 1 station	2043 2113 1076 1106	3259 3636 3080 3554	Rescue, FR, Amb	Seabrook FD	Seabrook FD
Somersworth	11,741 over 9.8 sq mi	City Police	13/15=>17/12 4 shifts of 4 11/13 shift 1 station	450 595 654 629	1103 1252 1474 1373	Rescue, FR	American Amb	American Amb
Tilton- Northfield Fire District	8,391 over 39.9 sq mi	Lakes Region Dispatch	10/40 => 14/29 3 shifts of 3 24/48 shift 2 stations*	916 977 996 1167	1418 1506 1568 1719	Rescue, FR, Amb	Tilton Northfield FD	Tilton Northfield FD
Windham	14,113 over 26.8 sq mi	Derry Fire	18/10 => 22/10 4 shifts of 4 1-1-1-5 shift 1 station	873 967 956 1016	1460 1590 1705 1836	Rescue, FR, Amb	Windham FD	Windham FD
Wolfeboro	6,215 over 47.9 sq mi	Wolfeboro PD	11/12 3 shifts of 3 48h Kelly sched. 2 stations*	667 667 648 724	1214 1253 1205 1314	Rescue, FR	Stewarts Amb	Stewarts Amb

*Includes 1 unmanned station, which is not staffed with career firefighters. The unmanned station is assigned to call personnel.

¹⁰ Portsmouth counts an ambulance and engine response as separate incidents rather than as one incident.

Combination Departments Providing Immediate Coverage by Day/On-call Nights (and/or Weekends)

Department	Pop/ Cover Area	Dispatch	Staffing FT/Call	EMS Calls (13-16)	Total Calls (13-16)	FD EMS Level	Amb Transport	Paramedic Services
Allenstown	4,276 over 20.3 sq mi	Capitol Area Dispatch	2/30 1 shift of 2 1 station	403 450 423 446	641 640 620 645	Rescue, FR	Tri-Town Amb	Tri-Town Amb
Amherst	11,261 over 34.3 sq mi	Amherst Comm. Center	2/36 1 shift of 2 2 stations*	625 773 792 884	449 356 291 553	Rescue, FR	Amherst EMS	Amherst EMS
Auburn	5,158 over 25.2 sq mi	Derry Fire	0/45 => 2/45 1 shift of 2 2 stations*	228 269 269 235	477 563 575 436	Rescue	Derry FD	Derry FD
Brentwood	4,693 over 16.8 sq mi	Rockingh. CSO	2/28 1 shift of 2 1 station	348 421 388 345	826 751 736 668	Rescue, FR, Amb	Brentwood FD	Brentwood FD
Brookline	5,087 over 19.8 sq mi	Hollis PD	2/28 1 shift of 2 1 station	338 387 362 400	231 240 257 245	Rescue, FR	Brookline EMS	Brookline EMS
Campton- Thornton Fire District	5,819 over 102.1 sq mi	Lakes Region Dispatch	1/30 => 4/30 1 shift of 4 3 stations*	382 426 424 418	631 681 669 664	Rescue, FR, Amb	Campton Thornton FD	Plymouth FD
Carroll	757 over 50.2 sq mi	CSO	1/22 => 2/22 1 shift of 2 1 station	200 215 207 184	319 325 317 292	Rescue, FR, Amb	Twin Mountain FD	Littleton Hosp Paramedics
Chester	4,880 over 25.9 sq mi	Derry Fire	0/38 => 2/37 1 shift of 2 1 station	228 231 275 236	431 414 456 424	Rescue, FR	Derry FD	Derry FD
Conway – Conway Village Fire Precinct	5,000 over 3.4 sq mi	Conway PD	4/32 1 shift of 2 1 station	886 755 823 894	1151 1043 1163 1197	Rescue, FR, Amb	Conway Village FD	Conway Village FD
Conway – North Conway Fire District	2,069 over 10.1 sq mi	Conway PD	2/45 1 shift of 2 1 station	400 553 609 661	1145 1372 1394 1223	Rescue, FR	North Conway Ambulance	North Conway Ambulance
Epping	6,649 over 26.0 sq mi	Rockingh. CSO	3/57 1 shift of 2 2 stations*	771 871 517 666	1042 1199 770 1105	Rescue, FR, Amb	Epping FD	Epping FD
Epsom	4,592 over 34.2 sq mi	Capitol Area Dispatch	4/25 2 shifts of 2 1 station	557 596 571 599	811 854 803 843	Rescue, FR, Amb	Epsom FD	Epsom FD
Farmington	6,797 over 37.2 sq mi	Strafford CSO	3/40 => 5/40 1 shift of 4 1 station	885 1083 1085 1010	1286 1356 1442 1383	Rescue, FR, Amb	Farmington FD	Farmington FD
Gilmanton	3,774 over 57.2 sq mi	Lakes Region Dispatch	4/20 => 4/36 2 shifts of 2 2 stations*	212 255 277 260	438 460 488 465	Rescue, FR, Amb	Gilmanton FD	Laconia FD

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	Staffing FT/Call	EMS Calls (13-16)	Total Calls (13-16)	FD EMS Level	Amb Transport	Paramedic Services
Gorham	2,738 over 31.9 sq mi	Gorham PD	3/24 => 4/24 1 shift of 4 2 stations*	635 710 762 630	107 106 102 108	Rescue	Gorham EMS	Gorham EMS
Hampstead	8,569 over 13.3 sq mi	Derry Fire	2/32 => 4/32 1 shift of 2 2 stations*	563 687 680 716	999 1087 1104 1076	Rescue, FR, Amb	Trinity EMS	Trinity EMS
Henniker	4,785 over 44.1 sq mi	Capitol Area Dispatch	2/40 1 shift of 2 1 station	684 642 701 706	919 915 958 904	Rescue, FR, Amb	Henniker Rescue	Henniker Rescue
Hillsborough	6,028 over 43.6 sq mi	Hillsboro PD	2/37 1 shift of 2 1 station	827 842 821 838	1190 1190 1140 1179	Rescue, FR, Amb	Hillsboro FD	Hillsboro FD
Hollis	7,730 over 31.8 sq mi	Hollis PD	7/40 2 shifts of 4 1 station	400 385 433 334	846 869 861 875	Rescue, FR, Amb	Hollis FD	Hollis FD
Hopkinton	5,595 over 43.3 sq mi	Capitol Area Dispatch	5/32 => 7/32 2 shifts of 2 2 stations*	716 687 734 769	1067 1054 1090 1119	Rescue, FR, Amb	Hopkinton FD	Hopkinton FD
Kingston	6,091 over 19.6 sq mi	Rockingh. CSO	4/45 => 5/45 1 shift of 3 2 stations	743 692 756 855	1103 947 987 1144	Rescue, FR, Amb	Kingston FD	Kingston FD
Lancaster	3,436 over 49.8 sq mi	State Highway Dispatch	2/50 1 shift of 2 2 stations*	788 686 796 701	882 748 894 788	Rescue, FR, Amb	Lancaster EMS	Lancaster EMS
Lee	4,366 over 20.0 sq mi	Strafford CSO	0/23 => 2/23 1 shift of 2 1 station	278 278 383 363	492 585 667 577	Rescue, FR	McGregor Memorial Ambulance	McGregor Memorial Ambulance
Litchfield	8,346 over 15.1 sq mi	Hudson Fire	2/29 1 shift of 2 1 station	272 359 338 332	520 684 593 638	Rescue, FR	Hudson FD	Hudson FD
Loudon	5,343 over 46.8 sq mi	Capitol Area Dispatch	2/47 => 3/39 1 shift of 3 2 stations*	536 626 641 754	869 1063 987 1083	Rescue, FR, Amb	Loudon FD	Loudon FD
Milford	15,137 over 25.2 sq mi	MACC Base	4/44 1 shift of 4 1 station	1896 1773 2082 1884	1023 1034 1149 1167	Rescue, FR	Milford FD	Milford FD
Milton	4,575 over 33.1 sq mi	Milton PD	1/33 => 2/33 1 shift of 2 2 stations*	450 434 465 542	732 715 767 865	Rescue, FR, Amb	Milton FD	Frisbie Hosp EMS
Moultonborough	4,026 over 59.5 sq mi	Lakes Region Dispatch	2/36 1 shift of 2 2 stations*	412 423 471 438	812 816 869 835	Rescue, FR	Stewart's Ambulance	Stewart's Ambulance
New Hampton	2,188 over 36.7 sq mi	Lakes Region Dispatch	0/16 => 2/16 1 shift of 2 1 station	267 301 296 314	486 492 509 487	Rescue, FR, Amb	New Hampton FD	New Hampton FD

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	Staffing FT/Call	EMS Calls (13-16)	Total Calls (13-16)	FD EMS Level	Amb Transport	Paramedic Services
New London	4,574 over 22.5 sq mi	New London PD	1/45 => 2/45 1 shift of 2 1 station	270 270 282 292	682 666 733 743	Rescue, FR	N London Hospital	N London Hospital
Newport	6,382 over 43.6 sq mi	Newport PD	7/39 1 shift of 2 1 station	1371 1457 1479 1162	2055 2208 2306 1827	Rescue, FR, Amb	Newport FD	Newport FD
Northwood	4,281 over 28.0 sq mi	Capitol Area Dispatch	4/30 2 shifts of 2 2 stations*	321 379 384 408	553 618 612 647	Rescue, FR, Amb	Northwood FD	Northwood FD
Nottingham	4,881 over 46.5 sq mi	Newmarkt PD	2/30 1 shift of 2 1 station	243 248 303 330	369 370 429 470	Rescue, FR, Amb	Nottingham FD	Exeter Hosp Paramedics
Peterborough ¹¹	6,410 over 37.7 sq mi	Southwest NH Dispatch	1/39 1 shift of 3 1 station	1945 1646 2272 1381	2428 2372 2614 1764	Rescue, FR, Amb	Peterboro FD	Peterboro FD
Pittsfield	4,082 over 23.9 sq mi	Capitol Area Dispatch	6/45 1 shift of 2 1 station	524 491 496 568	819 722 726 822	Rescue, FR, Amb	Pittsfield FD	Pittsfield FD
Plaistow	7,623 over 10.5 sq mi	Plaistow PD	3/32 1 shift of 2 1 station	552 662 698 690	888 957 1053 1134	Rescue, FR, Amb	Trinity EMS	Trinity EMS
Raymond	10,216 over 28.8 sq mi	Raymond PD	2/40 1 shift of 2 1 station	238 233 263 265	671 760 809 809	Rescue	Raymond Ambulance	Raymond Ambulance
Rindge	5,894 over 37.2 sq mi	Southwest NH Dispatch	2/22 1 shift of 2 1 station	375 364 348 447	704 673 688 806	Rescue, FR	VFW Ambulance	VFW Amb or Peterboro FD
Sanbornton	2,968 over 47.6 sq mi	Lakes Region Dispatch	2/29 1 shift of 2 2 stations*	195 237 213 241	483 415 391 443	Rescue, FR, Amb	Sanbornton FD	Sanbornton FD
Tuftsboro	2,350 over 41.0 sq mi	Carroll CSO	1/20 => 2/20 1 shift of 2 2 stations*	207 226 245 238	454 441 471 501	Rescue, FR	Lord Ambulance	Lord Ambulance
Wakefield	5,013 over 39.5 sq mi	Carroll CSO	2/31 => 4/30 1 shift of 2 3 stations*	631 607 608 612	904 900 965 942	Rescue, FR, Amb	Wakefield FD	Wakefield FD
Waterville Valley	248 over 64.9 sq mi	Lakes Region Dispatch	8/20 1 shift of 8 2 stations*	168 176 156 183	264 282 266 271	Rescue, FR, Amb	Waterville Valley FD	Waterville Valley FD

*Includes 1 unmanned station, which is not staffed with career firefighters. The unmanned station is assigned to call personnel.

¹¹ In 2007, Peterborough went to a fiscal year budget so the budget numbers reflect 18 months not 12 months.

Fire Departments and Emergency Medical Services in New Hampshire

Call/Volunteer Departments

Department	Pop/ Cover Area	Dispatch	EMS Calls (14-16)	Total Calls (14-16)	FD EMS Level	Amb Transport	Paramedic Services
Acworth	890 over 38.9 sq mi	Southwest NH Dispatch	41 53 25	65 85 110	Rescue, FR	Golden Cross Ambulance	Golden Cross Ambulance
Alexandria	1,613 in 43.0 sq mi	Lakes Region Dispatch	96 102 128	162 163 195	Rescue, FR	Bristol FD	Bristol FD
Alstead	1,931 in 38.8 sq mi	Southwest NH Dispatch	93 95 124	70 76 90	Rescue	Alstead Ambulance	Alstead or DiLuzio Ambulance
Alton	5,282 in 62.9 sq mi	Lakes Region Dispatch	393 415 497	749 706 820	Rescue, FR, Amb	Alton FD	Alton FD
Andover – Andover Fire District	2,366 in 40.5 sq mi	Lakes Region Dispatch	143 161 193	95 99 98	Rescue	Andover Rescue	Franklin FD
Antrim	2,640 in 35.7 sq mi	Southwest NH Dispatch	456 515 427	117 # 151	Rescue, FR, Amb	Antrim Ambulance	Antrim Ambulance
Ashland	2,070 in 11.0 sq mi	Lakes Region Dispatch	269 269 281	397 413 411	Rescue, FR, Amb	Plymouth FD	Plymouth FD
Atkinson	6,819 in 11.1 sq mi	Plaistow PD	391 399 406	614 649 628	Rescue, FR, Amb	Trinity EMS	Trinity EMS
Barrington	8,705 in 46.6 sq mi	Strafford CSO	600 647 655	935 994 1027	Rescue, FR, Amb	Barrington FD	Frisbie Hosp EMS
Bartlett	2,764 in 74.9 sq mi	Carroll CSO	No EMS Svc	351 295 327	Rescue	Bartlett– Jackson Amb	North Conway Ambulance
Bath	1,082 in 37.7 sq mi	Grafton CSO	No EMS Svc	61 65 73	Rescue	Woodsville Ambulance	Woodsville Ambulance
Bennington	1,470 in 11.1 sq mi	Southwest NH Dispatch	# 84 126	235 231 289	Rescue, FR	Antrim Ambulance	Antrim Ambulance
Bethlehem	2,552 in 90.6 sq mi	Grafton CSO	257 289 315	341 438 424	Rescue, FR, Amb	Bethlehem FD	Bethlehem FD
Boscawen	3,912 in 24.7 sq mi	Capitol Area Dispatch	48 54 62	180 194 194	Rescue	Penacook Rescue	Penacook Rescue
Bradford	1,654 in 35.3 sq mi	Capitol Area Dispatch	97 52 61	158 177 161	Rescue, FR	Henniker Rescue	Henniker Rescue
Bridgewater	1,088 in 21.3 sq mi	Lakes Region Dispatch	75 83 104	177 166 218	Rescue, FR, Amb	Bristol FD	Bristol FD
Canaan	3,902 in 53.2 sq mi	Upper Valley Reg Dispatch	385 421 490	206 185 194	Rescue	Canaan FAST	Lebanon FD
Candia	3,902 in 30.3 sq mi	Rockingham CSO	219 264 256	354 393 421	Rescue, FR	AMR	AMR
Canterbury	2,390 in 43.6 sq mi	Capitol Area Dispatch	160 221 225	531 556 652	Rescue, FR	Penacook Rescue	Penacook Rescue

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	EMS Calls (14-16)	Total Calls (14-16)	FD EMS Level	Amb Transport	Paramedic Services
Center Harbor	1,099 in 13.4 sq mi	Lakes Region Dispatch	211 174 205	362 316 335	Rescue, FR, Amb	Stewart's Ambulance	Stewart's Ambulance
Charlestown	4,981 in 35.8 sq mi	Charlestown PD	445 321 427	# 218 308	Rescue, FR	Chalestown Ambulance	Chalestown Ambulance
Chesterfield – Chesterfield Fire District	3,607 in 45.6 sq mi	Southwest NH Dispatch	113 124 145	231 247 250	Rescue, FR	Rescue, Inc	Rescue, Inc
Chesterfield – Spofford Fire District		Southwest NH Dispatch	76 125 136	185 227 251	Rescue, FR	Keene FD	Keene FD
Chichester	2,559 in 21.1 sq mi	Capitol Area Dispatch	248 252 257	440 437 440	Rescue, FR, Amb	Loudon FD	Loudon FD
Colebrook	2,233 in 40.7 sq mi	Colebrook RDC	No EMS Svc	90 108 82	Rescue, FR	45 th Parallel EMS	45 th Parallel EMS
Dalton	938 in 27.5 sq mi	State Highway	141 106 107	208 217 189	Rescue, FR	Whitefield FD	Whitefield FD
Danbury	1,177 in 37.5 sq mi	Lakes Region Dispatch	106 122 112	150 187 180	Rescue, FR	Bristol FD	Bristol FD
Danville	4,439 in 11.7 sq mi	Rockingham CSO	262 255 259	391 376 404	Rescue, FR, Amb	Trinity EMS	Trinity EMS
Deerfield	4,360 in 50.9 sq mi	Rockingham CSO	284 284 284	123 90 136	Rescue, FR	Raymond Ambulance	Raymond Ambulance
Deering	1,899 in 30.8 sq mi	Capitol Area Dispatch	121 161 181	188 237 201	Rescue, FR, Amb	Deering FD	Hillsboro FD
Dublin	1,582 in 28.0 sq mi	Southwest NH Dispatch	102 136 95	178 224 196	Rescue, FR	Peterboro FD	Peterboro FD
Dunbarton	2,789 in 30.9 sq mi	Capitol Area Dispatch	98 106 104	190 186 207	Rescue, FR, Amb	Dunbarton FD	Dunbarton FD
East Kingston	2,383 in 10.0 sq mi	Rockingham CSO	104 134 139	217 224 256	Rescue, FR, Amb	East Kingston FD	Exeter Hosp Paramedics
Easton	393 over 31.2 sq mi	Carroll CSO	No EMS Svc	# 21 21	Rescue	Calex Ambulance	Calex Ambulance
Effingham	1,540 in 38.4 sq mi	Carroll CSO	158 185 132	258 275 217	Rescue, FR, Amb	North Conway Ambulance	North Conway Ambulance
Enfield	4,568 in 40.2 sq mi	Upper Valley Reg Dispatch	353 325 382	134 142 154	Rescue	Enfield FAST (n), Lebanon(d)	Enfield FAST or Lebanon
Fitzwilliam	2,379 in 34.6 sq mi	Southwest NH Dispatch	139 277 231	317 407 399	Rescue, FR, Amb	Fitzwilliam FD	DiLuzio Ambulance
Francestown	1,559 in 30.2 sq mi	Southwest NH Dispatch	64 78 101	148 174 193	Rescue, FR	Peterboro FD	Peterboro FD
Franconia	1,112 in 65.7 sq mi	Grafton CSO	283 261 295	77 80 78	Rescue, FR, Amb	Franconia RS	Littleton Hosp Paramedics

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	EMS Calls (14-16)	Total Calls (14-16)	FD EMS Level	Amb Transport	Paramedic Services
Freedom	1,486 in 35.0 sq mi	Carroll CSO	191 188 227	292 309 332	Rescue, FR	North Conway Ambulance	Freedom FD
Fremont	4,424 in 17.2 sq mi	Raymond PD	162 166 199	287 269 296	Rescue, FR	Raymond Ambulance	Raymond Ambulance
Gilsum	815 over 16.7 sq mi	Southwest NH Dispatch	69 73 38	98 101 88	Rescue, FR	Marlow Ambulance	Marlow or DiLuzio Ambulance
Goshen	799 over 22.5 sq mi	Southwest NH Dispatch	55 55 48	49 51 64	Rescue, FR	Newport FD	Newport FD
Grafton	1,336 in 41.7 sq mi	Upper Valley Reg Dispatch	94 124 123	58 48 61	Rescue, FR, Amb	Grafton Amb Corp	Lebanon FD
Grantham	2,955 in 27.2 sq mi	Upper Valley Reg Dispatch	61 72 103	89 99 133	Rescue	N London Hospital	N London Hospital
Greenfield	1,800 in 26.1 sq mi	Southwest NH Dispatch	157 229 90	234 349 301	Rescue, FR	Peterboro FD	Peterboro FD
Greenland	3,734 in 10.5 sq mi	Rockingham CSO	220 228 266	358 378 407	Rescue, FR, Amb	Greenland FD	Exeter Hosp Paramedics
Greenville	2,071 in 6.9 sq mi	Southwest NH Dispatch	153 135 113	226 206 177	Rescue, FR	Souhegan Ambulance	Peterboro FD
Hampton Falls	2,293 in 12.2 sq mi	Hampton Fire	152 147 137	247 251 267	Rescue, FR, Amb	Hampton Falls FD	Exeter Hosp Paramedics
Hancock	1,642 in 30.0 sq mi	Southwest NH Dispatch	80 121 108	163 210 219	Rescue	Peterboro FD	Peterboro FD
Harrisville	957 over 18.6 sq mi	Southwest NH Dispatch	36 46 44	50 55 75	Rescue, FR	DiLuzio Ambulance	DiLuzio Ambulance
Haverhill – Haverhill Corner Fire	4,648 in 51.0 sq mi	Grafton CSO	28 55 43	89 98 81	Rescue, FR	Woodsville Ambulance	Woodsville Ambulance
Haverhill – N. Haverhill Fire District		Grafton CSO	No EMS Svc	# 71 100	Rescue	Woodsville Ambulance	Woodsville Ambulance
Haverhill – Woodsville Fire District		Grafton CSO	1336 1444 1514	112 127 107	Rescue, FR	Woodsville Ambulance	Woodsville Ambulance
Hebron	613 over 16.5 sq mi	Lakes Region Dispatch	101 112 107	182 185 182	Rescue, FR, Amb	Hebron FD	Bristol FD, Plymouth FD
Hill	1,088 in 26.7 sq mi	Lakes Region Dispatch	65 58 51	100 95 79	Rescue, FR	Bristol FD	Bristol FD
Hinsdale	3,972 in 20.6 sq mi	Southwest NH Dispatch	No EMS Svc	144 153 209	Rescue	Rescue, Inc	Rescue, Inc
Holderness	2,097 in 30.5 sq mi	Lakes Region Dispatch	174 169 189	301 321 351	Rescue, FR	Plymouth FD	Plymouth FD
Jackson	811 over 66.9 sq mi	Carroll CSO	No EMS Svc	115 116 108	Rescue	Bartlett- Jackson Ambulance	North Conway Ambulance

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	EMS Calls (14-16)	Total Calls (14-16)	FD EMS Level	Amb Transport	Paramedic Services
Jaffrey	5,403 in 38.3 sq mi	Southwest NH Dispatch	126 128 128	325 407 352	Rescue, FR	VFW Ambulance	VFW Amb Peterboro FD
Jefferson	1,072 in 50.2 sq mi	State Highway	23 53 40	51 78 78	Rescue, FR	Lancaster EMS	Lancaster EMS
Kensington	2,127 11.9 in sq mi	Rockingham CSO	128 89 114	174 148 179	Rescue, FR, Amb	Kensington FD	Exeter Hosp Paramedics
Langdon	683 over 16.3 sq mi	Southwest NH Dispatch	55 47 51	85 76 102	Rescue, FR	Golden Cross Ambulance	Golden Cross Ambulance
Lempster	1,141 in 32.3 sq mi	Southwest NH Dispatch	100 79 87	149 159 174	Rescue, FR	Marlow Ambulance	Marlow or DiLuzio Ambulance
Lincoln	1,663 in 130.3 sq mi	Lincoln PD	No EMS Svc	191 189 167	Rescue	LinWood Ambulance	LinWood Ambulance
Lisbon	1,582 in 26.2 sq mi	Grafton CSO	265 263 284	108 104 162	Rescue, FR, Amb	Lisbon Life Squad	Lisbon Life Squad
Lyme	1,700 in 53.8 sq mi	Upper Valley Reg Dispatch	91 92 90	55 117 130	Rescue, FR	Hanover FD	Hanover FD
Lyndeborough	1,691 in 30.4 sq mi	Southwest NH Dispatch	76 76 77	122 134 130	Rescue, FR	Wilton Ambulance	Wilton Ambulance
Madbury	1,797 in 11.7 sq mi	Strafford CSO	92 72 107	186 175 182	Rescue	McGregor Memorial Ambulance	McGregor Memorial Ambulance
Madison	2,521 in 38.5 sq mi	Carroll CSO	132 174 201	350 300 340	Rescue, FR, Amb	North Conway Ambulance	
Marlborough	2,049 in 20.4 sq mi	Southwest NH Dispatch	130 96 80	230 211 206	Rescue	DiLuzio Ambulance	DiLuzio Ambulance
Marlow	742 over 26.0 sq mi	Southwest NH Dispatch	125 79 41	32 46 56	Rescue, FR, Amb	Marlow Ambulance	Marlow or DiLuzio Ambulance
Mason	1,396 in 23.9 sq mi	Hollis PD	105 97 111	59 64 81	Rescue, FR	Brookline Ambulance	Brookline Ambulance
Meredith	6,299 in 39.9 sq mi	Lakes Region Dispatch	74 82 92	338 414 467	Rescue	Stewart's Ambulance	Stewart's Ambulance
Middleton	1,781 in 18.1 sq mi	Strafford CSO	139 186 136	188 242 230	Rescue, FR, Amb	Middleton FD	Frisbie Hosp EMS
Monroe	787 over 57.7 sq mi	Grafton CSO	45 46 49	34 27 31	Rescue	Woodsville Ambulance	Woodsville Ambulance
Mont Vernon	2,436 in 16.6 sq mi	MACC Base	No EMS Svc	100 89 53	Rescue	Amherst EMS	Amherst EMS
Nelson	734 over 21.9 sq mi	Southwest NH Dispatch	52 46 39	71 77 74	Rescue, FR	Keene FD	Keene FD
New Boston	5,412 in 42.8 sq mi	Goffstown PD	230 254 291	421 452 529	Rescue, FR, Amb	New Boston FD	New Boston FD

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	EMS Calls (14-16)	Total Calls (14-16)	FD EMS Level	Amb Transport	Paramedic Services
New Castle	974 over 0.8 sq mi	Rockingham CSO	88 117 105	169 194 178	Rescue, FR	Portsmouth FD	Portsmouth FD
New Durham	2,650 in 41.5 sq mi	Lakes Region Dispatch	155 149 216	283 278 356	Rescue, FR, Amb	New Durham FD	Frisbie Hosp EMS
New Ipswich	5,128 in 32.8 sq mi	Southwest NH Dispatch	46 53 40	173 190 183	Rescue, FR	Souhegan Ambulance	Peterboro FD
Newbury	2,112 in 35.8 sq mi	N London PD	151 152 102	289 283 284	Rescue, FR	N. London Hospital	N London Hospital
Newfields	1,697 in 7.0 sq mi	Newmarket PD	88 87 146	237 227 271	Rescue	Newmarket FD	Exeter Hosp Paramedics
Newmarket	8,940 in 12.6 sq mi	Newmarket PD	697 765 710	996 1089 1089	Rescue, FR, Amb	Newmarket FD	Exeter Hosp Paramedics
Newton	4,747 in 9.9 sq mi	Rockingham CSO	192 213 260	299 338 404	Rescue, FR	Trinity EMS	Trinity EMS
Northumberland Groveton Fire District	2,229 in 35.7 sq mi	State Highway	469 500 534	126 122 125	Rescue	Groveton Ambulance	Weeks Hosp Paramedics
Orford	1,244 in 46.7 sq mi	Upper Valley Reg Dispatch	64 82 76	110 132 117	Rescue, FR	Upper Valley Ambulance	Upper Valley Ambulance
Ossipee – Ctr Ossipee Fire District	1,600 in 21.0 sq mi	Carroll CSO	242 184 219	377 345 367	Rescue, FR	North Conway Ambulance	North Conway Ambulance
Ossipee – Ossipee Corner Fire	1,600 in 36.0 sq mi	Carroll CSO	264 278 285	410 403 427	Rescue, FR	North Conway Ambulance	North Conway Ambulance
Ossipee – West Ossipee Fire District	1,200 in 15.0 sq mi	Carroll CSO	124 107 129	191 183 225	Rescue, FR	North Conway Ambulance	North Conway Ambulance
Pembroke	7,127 in 22.8 sq mi	Capitol Area Dispatch	68 79 58	284 302 296	Rescue, FR	Tri-Town Ambulance	Tri-Town Ambulance
Piermont	779 over 38.5 sq mi	Upper Valley Reg Dispatch	43 44 46	53 50 44	Rescue	Upper Valley Ambulance	Upper Valley Ambulance
Pittsburg	848 over 281.4 sq mi	Colebrook & Beecher Falls FD (s)	155 73 52	# 128 103	Rescue, FR	45 th Parallel EMS	45 th Parallel EMS
Plainfield – Meriden Fire District	2,337 in 52.2 sq mi ¹²	Upper Valley Reg Dispatch	No EMS Svc	66 92 121	Rescue	Lebanon & Windsor VT FD	Lebanon FD
Plainfield – Plainfield Fire District		Upper Valley Reg Dispatch	No EMS Svc	45 72 81	Rescue	Lebanon & Windsor VT FD	Lebanon FD
Rollinsford	2,523 in 7.3 sq mi	Dover PD	37 44 44	201 171 157	Rescue, FR	York Ambulance	York Ambulance
Rumney	1,487 in 41.7 sq mi	Lakes Region Dispatch	131 70 116	108 79 76	Rescue	WW Ambulance	WW Ambulance

¹² Each department covers half the town and population. However, both departments are toned for each call.

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	EMS Calls (14-16)	Total Calls (14-16)	FD EMS Level	Amb Transport	Paramedic Services
Salisbury	1,393 in 40.0 sq mi	Capitol Area Dispatch	31 60 85	84 120 150	Rescue, FR, Amb	Salisbury FD	Concord FD
Sandown	6,184 in 13.9 sq mi	Rockingham CSO	288 213 304	417 402 501	Rescue, FR, Amb	Trinity EMS	Trinity EMS
Sandwich	1,318 in 90.2 sq mi	Lakes Region Dispatch	102 119 105	178 180 187	Rescue, FR	Stewart's Ambulance	Stewart's Ambulance
Shelburne	363 over 47.9 sq mi	Gorham PD	No EMS Svc	21 16 26	Rescue	Gorham EMS	Gorham EMS
South Hampton	816 over 7.9 sq mi	Rockingham CSO	No Data Avail	No Data Avail	Rescue, FR, Amb	South Hampton FD	Exeter Hosp Paramedics
Springfield	1,304 in 43.2 sq mi	Upper Valley Reg Dispatch	60 68 84	121 125 148	Rescue, FR	N. London Hospital	N London Hospital
Stark	532 over 58.7 sq mi	State Highway	No EMS Svc	13 14 21	Rescue	Groveton Ambulance	Weeks Hosp Paramedics
Stoddard	1,253 in 50.9 sq mi	Southwest NH Dispatch	78 63 74	127 113 149	Rescue, FR	Antrim FD	Antrim or DiLuzio Ambulance
Strafford	4,023 in 49.2 sq mi	Lakes Region Dispatch	181 212 213	310 372 366	Rescue, FR, Amb	Strafford FD	Frisbie Hosp EMS
Stratford	716 over 79.5 sq mi	State Highway	No EMS Svc	37 35 20	Rescue	Groveton Ambulance	Weeks Hosp Paramedics
Stratham	7,338 in 15.1 sq mi	Newmarket PD	382 467 499	597 673 688	Rescue, FR, Amb	Stratham FD	Exeter Hosp Paramedics
Sugar Hill	570 over 17.0 sq mi	Grafton CSO	No EMS Svc	52 55 57	Rescue	Calex Ambulance	Calex Ambulance
Sullivan	673 over 18.5 sq mi	Southwest NH Dispatch	36 33 33	62 60 80	Rescue, FR	Keene FD	Keene FD
Sunapee	3,349 in 21.1 sq mi	New London PD	284 219 244	415 386 463	Rescue, FR	N London Hospital	N London Hospital
Surry	737 over 15.6 sq mi	Southwest NH Dispatch	39 38 56	56 65 92	Rescue, FR	Keene FD	Keene FD
Sutton	1,848 in 42.3 sq mi	New London PD	48 71 60	145 161 146	Rescue	N London Hospital	N London Hospital
Swanzey	7,242 in 45.0 sq mi	Southwest NH Dispatch	650 709 666	956 1001 898	Rescue, FR	DiLuzio Ambulance	DiLuzio Ambulance
Tamworth	2,847 in 59.7 sq mi	Carroll CSO	407 495 446	197 213 184	Rescue	North Conway Ambulance	Tamworth Rescue
Temple	1,403 in 22.2 sq mi	Southwest NH Dispatch	84 64 50	72 63 71	Rescue, FR	Wilton Ambulance	Wilton Ambulance
Troy	2,126 in 17.4 sq mi	Southwest NH Dispatch	none # 122	83 229 260	Rescue, FR, Amb	Troy FD	Keene FD

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	EMS Calls (14-16)	Total Calls (14-16)	FD EMS Level	Amb Transport	Paramedic Services
Unity	1,640 in 36.9 sq mi	Southwest NH Dispatch	101 70 109	159 146 175	Rescue, FR	Golden Cross Ambulance	Golden Cross Ambulance
Walpole – Walpole Fire District	3,710 in 35.2 sq mi	Southwest NH Dispatch	237 284 312	345 393 450	Rescue, FR, Amb	Walpole FD	Keene FD
Walpole – N. Walpole Fire District		Southwest NH Dispatch	# 69 82	# 128 168	Rescue, FR	Golden Cross Ambulance	Golden Cross Ambulance
Warner	2,865 in 55.6 sq mi	Capitol Area Dispatch	214 242 279	340 392 402	Rescue, FR	Hopkinton FD	Hopkinton FD
Warren	896 over 48.5 sq mi	Lakes Region Dispatch	No EMS Svc	55 52 62	Rescue	WW Ambulance	WW Ambulance
Washington	1,109 in 45.4 sq mi	Hillsboro PD	81 90 99	54 55 48	Rescue	Washingtn Rescue	Hillsboro FD
Weare	8,892 in 58.8 sq mi	Goffstown PD	424 427 468	689 738 704	Rescue, FR, Amb	Weare FD	Weare FD
Webster	1,901 in 27.9 sq mi	Capitol Area Dispatch	117 101 113	176 168 185	Rescue, FR, Amb	Hopkinton FD	Hopkinton FD
Wentworth	919 over 41.4 sq mi	Lakes Region Dispatch	No EMS Svc	45 64 89	Rescue	WW Ambulance	WW Ambulance
Westmoreland	1,718 in 35.9 sq mi	Southwest NH Dispatch	71 74 75	130 140 148	Rescue, FR	Keene FD	Keene FD
Whitefield	2,269 in 34.2 sq mi	State Highway	418 448 472	507 563 538	Rescue, FR, Amb	Whitefield FD	Whitefield FD
Wilmot	1,377 in 29.6 sq mi	New London PD	75 109 103	153 187 176	Rescue	N London Hospital	N London Hospital
Wilton	3,670 in 25.8 sq mi	Southwest NH Dispatch	473 454 501	175 131 163	Rescue	Wilton Ambulance	Wilton Ambulance
Winchester	4,279 in 54.9 sq mi	Southwest NH Dispatch	399 451 328	230 188 236	Rescue, FR, Amb	Winchester Ambulance	DiLuzio Ambulance
Woodstock	1,385 in 58.7 sq mi	Grafton CSO	No EMS Svc	149 128 112	Rescue	Linwood Ambulance	Linwood Ambulance

Fire Departments and Emergency Medical Services in New Hampshire

Towns with No Fire Department

Town	Pop (09-11)	Dispatch	Fire Coverage Provider	Amb Provider
Albany	724 over 74.6 sq mi	Conway PD	Conway Village FD	North Conway Ambulance
Benton	364 over 48.2 sq mi	Grafton CSO	Woodsille Ambulance	Woodsille Ambulance
Brookfield	709 over 22.9 sq mi	Carroll CSO	Wakefield FD	Wakefield FD
Chatham	337 over 56.7 sq mi	Saco Valley Fire Assn	Saco Valley Fire	Fryeburg Rescue
Clarksville	263 over 60.1 sq mi	Colebrook Comm Ctr	Pittsburg FD	45 th Parallel EMS
Columbia	748 over 60.3 sq mi	Colebrook Comm Ctr	Colebrook FD	45 th Parallel EMS
Dorchester	355 over 44.7 sq mi	UVRDC & LRMFA	WW Amb (n) Canaan FD (s)	WW Amb (n) Canaan fast (s)
Dummer	301 over 48.2 sq mi	Berlin PD	Milan FD	Milan & Dummer Amb
Eaton	391 over 24.3 sq mi	Conway PD	Freedom FD & Center Conway	Freedom FD & Center Conway FD
Ellsworth	83 over 21.4 sq mi	Lakes Region Dispatch	Campton- Thornton FD	Campton- Thornton FD
Groton	592 over 40.8 sq mi	Lakes Region Dispatch	Rumney FD (n) Hebron FD (s)	Hebron FD
Hart's Location	41 over 18.5 sq mi	Carroll CSO	Bartlett FD	North Conway Ambulance
Lyman	531 over 28.5 sq mi	Grafton CSO	Lisbon FD	Lisbon Life Squad
Orange	330 over 23.2 sq mi	Upper Valley RDC	Canaan FD	Canaan FAST
Roxbury	228 over 11.9 sq mi	Southwest NH Dispatch	Keene FD	Keene FD
Sharon	354 over 15.6 sq mi	Southwest NH Dispatch	Peterboro FD	Peterboro FD
Stewartstown	993 over 46.2 sq mi	Beecher Falls	Beecher Falls FD	45 th Parallel EMS
Windsor	225 over 8.3 sq mi	Hillsboro PD	Hillsboro FD	Hillsboro FD

Appendix A – Full-time Fire Chiefs

This appendix lists the towns with full-time fire chiefs and when that position first became full-time. It is not meaningful information but provides a historical perspective.

Town	When First Made FT	Town	When First Made FT
Amherst	2003	Lancaster	2003
Barnstead	1995	Lebanon	1950s
Barrington	2007	Lee	2014
Bartlett	1989	Littleton	
Bedford	1976	Londonderry	1976
Belmont	1962	Loudon	2004
Berlin	1898	Manchester	1879
Bethlehem	2010	Meredith	1986
Bristol	2000	Merrimack	1970
Campton-Thornton	1988	Milford	1986
Claremont	1917	Moultonborough	1994
Concord	1848	Nashua	1915
Conway Village	1994	New Castle	2004
Derry	1964	New London	2007
Dover		Newington	1984
Durham	1936	North Conway	1965
Epping	2010	North Hampton	1968
Exeter	1963	Pelham	1988
Farmington	2006	Peterborough	1988
Franklin	1933	Pittsfield	2006
Freedom	2008	Plaistow	1988
Gilford	1979	Plymouth	1966
Gilmanton	1987	Portsmouth	1927
Goffstown	1992	Raymond	1973
Gorham	1988	Rindge	1996
Hampstead	2008	Rochester	1918
Hampton	1916	Rye	1955
Hampton Falls	2002	Salem	1943
Hanover		Sanbornton	2002
Holderness	2002	Sandown	2005
Hollis	1997	Seabrook	1966
Hooksett	1987	Somersworth	1956
Hopkinton	2009	Swanzey	2008
Hudson	1975	Tamworth	2005
Jaffrey	2002	Tilton-Northfield	2000
Keene	1952	Tuftonboro	2002
Kingston	2005	Waterville Valley	2003
Laconia	1894	Windham	1988
		Wolfeboro	1940s

Appendix B - EMS and Fire Emergency Calls across New England

Using information from the State Fire Marshal Office Annual Reports for Vermont, Maine, and Massachusetts; and NFIRS for Connecticut and New Hampshire, we can look at the number of municipal fire and EMS calls to determine if any trends can be observed. Since all the data (including that in the FMO Annual Report) is taken from NFIRS, it is dependent on the number of fire departments entering their data into the system and there is not 100% compliance. Rhode Island is data I compiled.

New England State	2010	2011	2012	2013	2014	2015	2016	5yr Avg
Connecticut								
Muni EMS calls	193,191	173,638	185,832	205,487	185,890	203,422	222,609	190,854
Fire calls	15,596	12,450	11,997	13,069	11,956	11,740	11,884	12,242
Non-fire calls	122,145	135,781	108,047	113,139	106,845	107,797	113,860	114,322
Total Muni Calls	330,932	321,869	305,876	331,695	304,691	322,959	348,353	317,418
% Muni EMS calls	58.4%	53.9%	60.8%	62.0%	61.0%	63.0%	63.9%	60.1%
% Muni Fire Calls	4.7%	3.9%	3.9%	3.9%	3.9%	3.6%	3.4%	3.9%
Maine								
Muni EMS calls	49,693	54,001	60,490	55,573	70,076	81,750	78,887	64,378
Fire calls	4,609	4,420	4,983	4,595	5,112	5,653	6,011	4,953
Non-fire calls	22,814	24,800	26,589	26,017	32,289	33,930	34,387	28,725
Total Muni Calls	77,116	83,221	92,062	86,185	107,477	121,333	119,285	98,056
% Muni EMS calls	64.4%	64.9%	65.7%	64.5%	65.2%	67.4%	66.1%	65.7%
% Muni Fire Calls	6.0%	5.3%	5.4%	5.3%	4.8%	4.7%	5.0%	5.1%
New Hampshire								
Muni EMS calls	75,540	81,403	82,456	87,534	99,124	98,746	111,147	89,853
Fire Calls	6,614	5,755	6,397	6,071	5,844	6,793	7,375	6,172
Non-fire calls	50,318	54,254	49,302	52,407	58,378	55,260	58,261	53,920
Total Muni Calls	132,472	141,412	138,155	146,012	163,346	160,799	176,783	149,945
% Muni EMS calls	57.0%	57.6%	59.7%	59.9%	60.7%	61.4%	62.9%	59.9%
% Muni Fire Calls	5.0%	4.1%	4.6%	4.2%	3.6%	4.2%	4.2%	4.1%
Vermont								
Muni EMS calls	19,577	22,819	21,396	22,225	22,513	23,535	23,208	22,498
Fire Calls	3,089	3,235	3,031	4,076	5,431	3,575	3,269	3,870
Non-fire calls	16,657	21,071	18,702	20,119	16,332	16,332	16,332	18,511
Total Muni Calls	41,969	48,326	45,677	46,420	45,569	45,763	44,085	46,351
% Muni EMS calls	46.6%	47.2%	46.8%	47.9%	49.4%	51.4%	52.6%	48.5%
% Muni Fire Calls	7.4%	6.7%	6.6%	8.8%	11.9%	7.8%	7.4%	8.3%
Massachusetts								
Muni EMS calls	406,253	429,488	442,310	443,486	472,447	510,956		450,823
Fire calls	32,680	29,110	31,229	29,828	28,989	31,302		30,367
Non-fire calls	288,693	309,746	285,297	298,686	306,611	327,928		297,807
Total Muni Calls	727,626	768,344	758,836	772,000	808,047	870,186		784,173
% Muni EMS calls	55.8%	55.9%	58.3%	57.4%	58.5%	58.7%		57.5%
% Muni Fire Calls	4.5%	3.8%	4.1%	3.9%	3.6%	3.6%		3.9%
Rhode Island								
Muni EMS calls	134,983	144,353	149,703	148,105	156,579	161,022	154,820	151,952
Total Muni Calls	207,298	199,866	198,786	199,541	195,623	207,763	204,023	200,316
% Muni EMS calls	65.1%	72.2%	75.3%	74.2%	80.0%	77.5%	75.9%	75.9%
% Muni Fire Calls	34.9%	27.8%	24.7%	25.8%	20.0%	22.5%	24.1%	24.1%

Fire Departments and Emergency Medical Services in New Hampshire

In looking at Connecticut, Massachusetts, and New Hampshire, the percentage of fire and EMS calls relative to the total calls are similar. Of the non-fire calls, false alarms and service calls account for between 25% and 30% of the total emergency calls for the five States in the table above.

- Maine's percentage of fire and EMS calls relative to the total calls are higher than these three States. This may be partly due to the fact that slightly less than half the fire departments report incident data.
- Vermont's percentage of fire calls is higher and the percentage of EMS calls is lower relative to the total calls. The lower EMS percentage may be due to Vermont's reliance on non-profits for ambulance service (although many towns have a first responder squad) and its higher fire call percentage may be due to its small population and smaller density (population per square mile).

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Appendix C – Work Shift Schedule Examples

In discussing shift schedules in this document, it may be difficult at times for the reader to understand these different schedules. So, here are examples of the different shifts for those department deploying four shifts. The different shifts are labeled A, B, C, and D.

1 day on/3 days off						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
A	B	C	D	A	B	C
D	A	B	C	D	A	B
C	D	A	B	C	D	A
B	C	D	A	B	C	D
A	B	C	D	A	B	C

24/24/24/120 shift						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
A	B	A	B	C	D	C
D	A	B	A	B	C	D
C	D	A	B	A	B	C
D	C	D	A	B	A	B
C	D	C	D	A	B	A

24/48/24/96 shift						
Sun	Mon	Tues	Wed	Thurs	Fri	Sat
A	D	B	A	C	B	D
C	A	D	B	A	C	B
D	C	A	D	B	A	C
B	D	C	A	D	B	A
C	B	D	C	A	D	B

10/14 shift, 11/13 shift, 12/12 shift													
Sun	Mon	Tues	Wed	Thurs	Fri	Sat	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
B	A	B	A	C	B	C	B	D	C	D	C	A	D
A	D	B	A	B	A	C	B	C	B	D	C	D	C
A	D	A	D	B	A	B	A	C	B	C	B	D	C
D	C	A	D	A	D	B	A	B	A	C	B	C	B
D	C	D	C	A	D	A	D	B	A	B	A	C	B

Fire Departments and Emergency Medical Services in New Hampshire

2 days on/1 day off/2 nights on/3 days off													
Sun		Mon		Tues		Wed		Thurs		Fri		Sat	
A	C	A	D	B	D	B	A	C	A	C	B	D	B
D	C	A	C	A	D	B	D	B	A	C	A	C	B
D	B	D	C	A	C	A	D	B	D	B	A	C	A
C	B	D	B	D	C	A	C	A	D	B	D	B	A
C	A	C	B	D	B	D	C	A	C	A	D	B	D

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Appendix D – Cost To Protect Property Per \$1000 Valuation

There are various statistical measures that can be used to determine the cost effectiveness of a fire department. Most center on the cost per capita which can be a misleading statistic for those communities that get a large influx of visitors on weekends or the summer. For those communities, the cost per call may be a more telling statistic. One interesting statistical measure is the cost to protect all property in a town. As this table shows, the cost per \$1000 (CPT) based on the net appropriations and the cost per \$1000 (CPT) based on taxable properties are fairly similar as one would expect. However, when one includes the tax-exempt properties that a fire department is expected to protect, one gets a more realistic picture of the true cost to protect property in a municipality.

Full-time Departments

Location	2012 Gross Valuation (Taxable Properties)	2012 Gross Valuation (All properties)	2012 Net Fire/Amb Budget	2012 Net Approp.	2012 Town Tax Rate	CPT Based Net Approp	CPT Protected Value (Taxable Properties)	CPT Protected Value (All Properties)
Barnstead	466,188,570	491,447,670	740,261	2,566,268	5.50	1.59	\$1.59	\$1.51
Bedford	3,389,232,852	3,558,361,735	2,889,331	14,751,010	4.35	0.85	\$0.85	\$0.81
Belmont	730,952,949	780,882,646	1,220,097	5,418,616	7.42	1.67	\$1.67	\$1.56
Berlin	432,170,216	904,823,223	2,284,820	7,210,082	16.69	5.29	\$5.29	\$2.53
Bow	1,054,350,932	1,111,719,056	1,004,274	7,123,919	6.76	0.95	\$0.95	\$0.90
Bristol	464,382,715	505,645,715	559,212	3,057,165	6.59	1.21	\$1.20	\$1.11
Claremont	789,261,498	917,267,598	1,923,577	10,143,712	12.85	2.44	\$2.44	\$2.10
Concord	3,832,100,782	5,208,620,682	10,662,321	33,215,207	8.67	2.78	\$2.78	\$2.05
Derry	2,331,939,161	2,520,808,543	8,544,876	24,231,040	10.39	3.66	\$3.66	\$3.39
Dover	2,612,004,200	2,926,398,500	5,536,021	25,345,713	9.71	2.12	\$2.12	\$1.89
Durham	913,186,825	1,610,760,425	3,281,677	6,943,620	7.61	3.60	\$3.59	\$2.04
Exeter	1,576,917,568	1,728,791,069	2,907,418	12,626,933	8.01	1.84	\$1.84	\$1.68
Franklin	565,034,850	635,743,250	1,641,888	6,332,916	11.22	2.91	\$2.91	\$2.58
Gilford	1,526,155,840	1,627,900,500	1,459,673	7,534,765	4.93	0.96	\$0.96	\$0.90
Goffstown	1,329,208,600	1,467,979,000	2,460,499	12,484,023	9.39	1.85	\$1.85	\$1.68
Hampton	2,746,916,000	2,916,822,700	2,958,311	19,600,230	7.14	1.08	\$1.08	\$1.01
Hanover	1,992,020,500	3,037,708,800	3,050,829	8,329,334	4.18	1.53	\$1.53	\$1.00
Hooksett	1,627,781,982	1,741,035,559	3,574,334	10,271,515	6.31	2.20	\$2.20	\$2.05
Hudson	2,525,898,591	2,687,040,775	4,626,968	15,820,469	6.27	1.83	\$1.83	\$1.72
Keene	1,857,058,431	2,349,115,331	4,998,405	22,545,272	12.15	2.69	\$2.69	\$2.13
Laconia	1,857,853,703	2,192,500,493	3,455,231	15,132,647	8.14	1.86	\$1.86	\$1.58
Lebanon	1,858,510,658	2,320,498,088	2,998,730	17,188,612	9.25	1.61	\$1.61	\$1.29
Littleton	761,700,367	846,585,067	984,817	5,328,160	7.00	1.29	\$1.29	\$1.16
Londonderry	3,421,793,401	3,773,198,901	5,356,194	16,620,423	4.85	1.56	\$1.57	\$1.42
Manchester	8,285,246,013	9,603,482,913	19,572,332	94,374,035	11.40	2.36	\$2.36	\$2.04
Merrimack	2,882,059,602	3,076,933,202	4,116,391	14,846,235	5.14	1.43	\$1.43	\$1.34
Nashua	8,497,876,721	9,373,970,106	14,649,358	72,823,855	8.56	1.72	\$1.72	\$1.56
Newington	957,092,520	1,080,056,645	1,296,627	4,681,704	4.89	1.35	\$1.35	\$1.20
North Hampton	1,014,588,100	1,039,885,200	1,345,077	4,918,642	4.85	1.33	\$1.33	\$1.29

Fire Departments and Emergency Medical Services in New Hampshire

Location	2012 Gross Valuation (Taxable Properties)	2012 Gross Valuation (All properties)	2012 Net Fire/Amb Budget	2012 Net Approp.	2012 Town Tax Rate	CPT Based Net Approp	CPT Protected Value (Taxable Properties)	CPT Protected Value (All Properties)
Pelham	1,383,822,264	1,441,839,684	1,816,070	10,371,840	7.49	1.31	\$1.31	\$1.26
Plymouth	444,994,274	622,388,214	929,281	3,694,408	8.31	2.09	\$2.09	\$1.49
Portsmouth	4,043,767,047	4,569,315,247	6,473,775	34,570,184	8.55	1.60	\$1.60	\$1.42
Rochester	2,004,617,304	2,362,908,704	3,924,875	17,254,015	8.61	1.96	\$1.96	\$1.66
Rye	1,752,828,590	1,848,044,590	1,127,291	6,025,530	3.44	0.64	\$0.64	\$0.61
Salem	3,827,733,752	3,994,552,287	8,068,544	27,024,759	7.06	2.11	\$2.11	\$2.02
Seabrook	2,651,683,950	2,742,130,450	3,008,295	15,736,023	5.93	1.13	\$1.13	\$1.10
Somersworth	843,877,236	918,802,641	1,920,937	7,941,339	9.42	2.28	\$2.28	\$2.09
Tilton-Northfield	517,240,940	589,471,140	1,248,148	3,415,851	6.68	n/a	\$2.41	\$2.12
Windham	2,042,007,370	2,192,003,270	2,622,970	7,439,840	3.64	1.28	\$1.28	\$1.20
Wolfeboro	2,043,252,747	2,249,119,447	1,603,695	9,615,877	4.71	0.79	\$0.78	\$0.71
TOTAL	83,855,309,621	95,566,559,066	152,843,430	644,555,788	7.69	1.82	\$1.82	\$1.60
AVERAGE	2,096,382,741	2,389,163,977	3,821,086	16,113,895	7.60	1.87	\$1.88	\$1.58

Fire Departments and Emergency Medical Services in New Hampshire

Immediate Coverage by Day/Call by Night

Location	2012 Gross Valuation (Taxable Properties)	2012 Gross Valuation (All properties)	2012 Net Fire/Amb Budget	2012 Net Approp.	2012 Town Tax Rate	CPT Based Net Approp	CPT Protected Value (Taxable Properties)	CPT Protected Value (All Properties)
Allenstown	267,810,771	293,288,871	428,007	2,488,054	9.30	1.60	\$1.60	\$1.46
Amherst	1,568,504,100	1,657,295,200	712,186	7,693,498	4.90	0.45	\$0.45	\$0.43
Auburn	611,875,635	631,852,635	424,577	2,672,819	4.19	0.67	\$0.69	\$0.67
Brentwood	494,527,478	558,565,371	193,607	1,638,820	3.32	0.39	\$0.39	\$0.35
Brookline	591,633,209	619,952,709	438,980	2,214,916	3.75	0.74	\$0.74	\$0.71
Campton-Thornton	409,967,483	461,383,261	563,255	1,549,972	4.57	n/a	\$1.37	\$1.22
Carroll	311,738,013	345,325,042	114,406	1,414,881	4.54	0.37	\$0.37	\$0.33
Chester	461,441,100	484,509,000	327,828	2,667,242	5.78	0.71	\$0.71	\$0.68
Conway	1,398,325,665	1,558,763,065	81,967	7,352,782	5.07	n/a	\$0.06	\$0.05
Epping	625,644,000	662,518,300	508,451	2,882,767	4.61	0.81	\$0.81	\$0.77
Epsom	406,687,027	430,640,946	272,870	1,989,861	4.89	0.67	\$0.67	\$0.63
Farmington	473,176,323	508,539,783	302,926	3,149,363	6.65	0.64	\$0.64	\$0.60
Gilmanton	478,403,218	508,759,718	536,815	2,746,835	5.74	1.12	\$1.12	\$1.06
Gorham	273,677,600	301,385,000	154,882	3,014,229	11.01	0.57	\$0.57	\$0.51
Hampstead	992,736,394	1,025,941,024	708,340	3,334,075	3.36	0.71	\$0.71	\$0.69
Henniker	386,639,296	434,931,646	345,186	2,750,069	7.11	0.89	\$0.89	\$0.79
Hillsborough	508,566,139	565,739,830	362,455	5,335,859	10.51	0.71	\$0.71	\$0.64
Hollis	1,256,195,728	1,321,124,662	1,407,336	7,277,118	5.80	1.12	\$1.12	\$1.07
Hopkinton	654,707,728	716,360,128	544,294	3,339,399	5.10	0.83	\$0.83	\$0.76
Kingston	710,519,403	781,594,803	344,482	2,931,005	4.13	0.49	\$0.48	\$0.44
Lancaster	286,795,230	349,223,230	-114,008	2,275,546	7.94	-0.40	(\$0.40)	(\$0.33)
Lee	411,991,167	429,073,467	235,003	2,747,676	6.67	0.57	\$0.57	\$0.55
Litchfield	813,293,207	860,107,307	801,314	2,896,219	3.57	0.99	\$0.99	\$0.93
Loudon	533,085,142	552,621,442	422,667	2,221,424	4.15	0.79	\$0.79	\$0.76
Milford	1,276,566,807	1,382,871,794	520,318	7,727,825	6.06	0.41	\$0.41	\$0.38
Milton	364,743,818	381,828,218	194,601	2,307,237	6.33	0.53	\$0.53	\$0.51
Moultonborough	2,747,723,898	2,846,122,455	783,825	7,505,431	2.73	0.29	\$0.29	\$0.28
New Hampton	338,825,840	375,639,657	224,622	1,798,350	5.31	0.66	\$0.66	\$0.60
New London	1,086,062,143	1,167,573,856	295,266	4,267,395	3.93	0.27	\$0.27	\$0.25
Newport	417,094,678	468,365,150	252,332	4,697,877	11.26	0.60	\$0.60	\$0.54
Northwood	472,199,467	517,358,967	439,574	1,815,358	3.84	0.93	\$0.93	\$0.85
Nottingham	540,154,689	579,455,289	233,047	2,524,911	4.68	0.43	\$0.43	\$0.40
Peterborough	600,258,071	705,639,031	33,616	5,280,485	8.80	0.06	\$0.06	\$0.05
Pittsfield	263,844,227	293,664,827	414,054	2,631,824	9.97	1.57	\$1.57	\$1.41
Plaistow	827,670,502	887,820,023	612,164	4,956,760	5.98	0.74	\$0.74	\$0.69
Raymond	823,482,609	868,919,897	459,326	4,736,544	5.75	0.56	\$0.56	\$0.53
Rindge	547,480,623	602,935,441	450,955	2,624,224	4.79	0.82	\$0.82	\$0.75

Fire Departments and Emergency Medical Services in New Hampshire

Location	2012 Gross Valuation (Taxable Properties)	2012 Gross Valuation (All properties)	2012 Net Fire/Amb Budget	2012 Net Approp.	2012 Town Tax Rate	CPT Based Net Approp	CPT Protected Value (Taxable Properties)	CPT Protected Value (All Properties)
Sanbornton	432,619,969	450,654,194	356,976	3,321,513	7.68	0.83	\$0.83	\$0.79
Tuftonboro	1,025,063,305	1,065,390,905	412,544	2,329,787	2.27	0.40	\$0.40	\$0.39
Wakefield	911,998,789	945,733,189	162,358	2,420,816	2.65	0.18	\$0.18	\$0.17
Waterville Valley	327,983,000	369,333,100	193,982	2,621,625	8.00	0.59	\$0.59	\$0.53
TOTAL	27,931,713,491	29,968,802,433	16,157,386	142,152,391	5.09	0.58	\$0.58	\$0.54
AVERAGE	681,261,305	730,946,401	394,083	3,467,131	5.77	0.65	\$0.63	\$0.59

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Fire Departments and Emergency Medical Services in New Hampshire

Call Departments

Location	2012 Gross Valuation (Taxable Properties)	2012 Gross Valuation (All properties)	2012 Net Fire/Amb Budget	2012 Net Approp.	2012 Town Tax Rate	CPT Based Net Approp	CPT Protected Value (Taxable Properties)	CPT Protected Value (All Properties)
Acworth	96,504,124	101,317,424	45,600	716,412	7.43	0.47	\$0.47	\$0.45
Alexandria	200,292,253	205,085,553	59,014	856,570	4.28	0.29	\$0.29	\$0.29
Alstead	179,304,177	186,703,477	85,597	1,057,139	5.90	0.48	\$0.48	\$0.46
Alton	1,436,859,553	1,517,960,195	158,743	5,286,461	3.68	0.11	\$0.11	\$0.10
Andover	267,618,854	308,277,954	489	895,750	3.35	0.00	\$0.00	\$0.00
Antrim	257,088,230	271,938,050	109,187	2,810,610	10.94	0.42	\$0.42	\$0.40
Ashland	264,315,381	300,081,091	329,214	2,275,203	8.60	1.24	\$1.25	\$1.10
Atkinson	839,305,289	866,818,989	272,845	2,499,273	2.98	0.33	\$0.33	\$0.31
Barrington	913,699,652	964,584,152	237,465	4,282,140	4.41	0.24	\$0.26	\$0.25
Bartlett	913,679,502	963,248,802	171,600	1,363,879	1.49	0.19	\$0.19	\$0.18
Bath	129,322,804	133,524,104	72,500	498,879	3.86	0.56	\$0.56	\$0.54
Bennington	117,310,500	125,511,600	83,320	1,198,633	10.22	0.71	\$0.71	\$0.66
Bethlehem	230,400,232	291,633,913	159,964	2,013,483	8.74	0.69	\$0.69	\$0.55
Boscawen	277,950,939	354,364,939	176,383	1,658,316	5.97	0.63	\$0.63	\$0.50
Bradford	219,877,193	228,696,493	190,865	1,621,869	7.38	0.87	\$0.87	\$0.83
Bridgewater	332,843,300	342,733,700	133,015	1,055,352	3.17	0.40	\$0.40	\$0.39
Canaan	321,856,615	360,188,000	159,704	2,011,663	6.25	0.50	\$0.50	\$0.44
Candia	407,093,080	421,173,454	139,051	1,411,223	3.47	0.34	\$0.34	\$0.33
Canterbury	244,582,302	263,496,502	216,447	1,648,523	6.73	0.88	\$0.88	\$0.82
Center Harbor	382,053,544	403,373,944	187,063	1,835,048	4.81	0.49	\$0.49	\$0.46
Charlestown	271,016,306	294,620,206	189,980	2,126,966	7.85	0.70	\$0.70	\$0.64
Chesterfield	564,999,284	592,605,284	72,750	1,905,104	3.38	n/a	\$0.13	\$0.12
Chichester	297,960,570	306,712,770	150,796	1,333,341	4.48	0.51	\$0.51	\$0.49
Colebrook	189,153,952	211,160,911	112,184	1,316,711	6.96	0.59	\$0.59	\$0.53
Dalton	94,353,136	104,021,636	62,000	502,206	5.33	0.66	\$0.66	\$0.60
Danbury	109,209,331	112,505,436	68,806	753,983	6.91	0.63	\$0.63	\$0.61
Danville	331,448,699	345,569,399	270,613	1,637,636	4.94	0.82	\$0.82	\$0.78
Deerfield	543,681,660	569,677,160	247,927	2,051,195	3.77	0.46	\$0.46	\$0.44
Deering	197,799,392	210,865,157	49,422	1,542,846	7.80	0.25	\$0.25	\$0.23
Dublin	255,874,358	285,921,036	177,785	1,553,802	6.08	0.70	\$0.69	\$0.62
Dunbarton	306,401,835	318,980,680	62,433	1,169,241	3.82	0.20	\$0.20	\$0.20
East Kingston	299,380,802	307,634,302	143,922	1,717,463	5.74	0.48	\$0.48	\$0.47
Easton	66,580,128	87,928,328	21,720	102,541	1.54	0.33	\$0.33	\$0.25
Effingham	180,703,975	190,588,149	89,520	1,053,490	5.83	0.50	\$0.50	\$0.47
Enfield	546,857,022	576,060,935	164,761	3,292,259	6.02	0.30	\$0.30	\$0.29
Fitzwilliam	250,687,722	260,977,422	41,886	1,470,516	5.86	0.17	\$0.17	\$0.16

Fire Departments and Emergency Medical Services in New Hampshire

Location	2012 Gross Valuation (Taxable Properties)	2012 Gross Valuation (All properties)	2012 Net Fire/Amb Budget	2012 Net Approp.	2012 Town Tax Rate	CPT Based Net Approp	CPT Protected Value (Taxable Properties)	CPT Protected Value (All Properties)
Francestown	211,467,604	223,953,704	68,038	1,447,328	6.84	0.32	\$0.32	\$0.30
Franconia	285,150,201	330,120,663	108,072	1,328,764	4.66	0.38	\$0.38	\$0.33
Freedom	491,132,891	513,044,091	188,001	2,027,458	4.12	0.38	\$0.38	\$0.37
Fremont	365,787,834	374,780,084	174,963	1,247,888	3.41	0.48	\$0.48	\$0.47
Gilsum	65,386,727	69,004,269	22,500	414,780	6.35	0.34	\$0.34	\$0.33
Goshen	75,583,870	77,337,940	38,460	556,646	7.36	0.51	\$0.51	\$0.50
Grafton	127,264,812	131,916,912	28,830	580,227	4.57	0.23	\$0.23	\$0.22
Grantham	513,156,517	520,698,317	179,629	1,335,057	2.61	0.35	\$0.35	\$0.34
Greenfield	158,810,003	184,834,003	92,612	1,059,675	6.67	0.58	\$0.58	\$0.50
Greenland	676,862,027	713,839,327	149,926	1,941,765	2.87	0.22	\$0.22	\$0.21
Greenville	137,618,658	148,398,458	148,739	1,598,070	11.61	1.08	\$1.08	\$1.00
Hampton Falls	432,786,600	449,407,000	183,659	1,855,065	4.28	0.42	\$0.42	\$0.41
Hancock	244,849,759	257,460,559	96,901	1,300,503	5.30	0.39	\$0.40	\$0.38
Harrisville	212,871,465	220,317,249	108,267	891,565	4.19	0.51	\$0.51	\$0.49
Hebron	261,163,459	270,518,159	66,307	952,086	3.64	0.25	\$0.25	\$0.25
Hill	107,190,230	120,222,477	76,071	497,796	4.65	0.71	\$0.71	\$0.63
Hinsdale	356,140,973	376,174,973	270,524	2,107,035	5.91	0.76	\$0.76	\$0.72
Holderness	692,601,263	746,253,522	212,375	1,771,980	2.55	0.31	\$0.31	\$0.28
Jackson	389,529,512	437,798,012	116,800	1,539,169	3.95	0.30	\$0.30	\$0.27
Jaffrey	453,865,020	503,625,258	336,191	4,069,906	8.96	0.74	\$0.74	\$0.67
Jefferson	123,628,909	138,112,509	51,000	234,923	1.90	0.41	\$0.41	\$0.37
Kensington	345,772,559	355,292,059	87,774	1,024,882	2.96	0.25	\$0.25	\$0.25
Langdon	59,965,003	69,417,008	36,424	375,627	6.27	0.61	\$0.61	\$0.52
Lempster	161,478,545	167,683,745	47,125	803,154	4.98	0.29	\$0.29	\$0.28
Lincoln	755,226,600	812,775,800	82,306	4,322,602	5.73	0.11	\$0.11	\$0.10
Lisbon	111,658,048	124,780,190	84,492	1,675,415	15.00	0.76	\$0.76	\$0.68
Lyman	60,725,711	61,995,101	25,250	353,016	5.82	0.42	\$0.42	\$0.41
Lyme	323,623,723	354,735,123	84,426	1,692,960	5.24	0.26	\$0.26	\$0.24
Lyndeborough	166,448,550	171,237,020	130,789	1,246,118	7.48	0.79	\$0.79	\$0.76
Madbury	234,107,983	248,312,805	55,741	766,468	3.27	0.24	\$0.24	\$0.22
Madison	460,907,244	477,983,644	155,673	1,607,831	3.49	0.34	\$0.34	\$0.33
Marlborough	184,150,100	198,803,470	59,051	1,102,235	5.98	0.32	\$0.32	\$0.30
Marlow	65,685,314	68,577,274	23,804	418,127	6.37	0.36	\$0.36	\$0.35
Mason	160,094,251	172,170,451	71,681	1,251,710	7.82	0.45	\$0.45	\$0.42
Meredith	1,856,317,320	1,952,449,553	567,178	7,792,737	4.20	0.31	\$0.31	\$0.29
Middleton	184,044,440	190,308,540	91,563	1,321,219	7.18	0.50	\$0.50	\$0.48
Monroe	361,014,017	365,786,817	44,390	631,103	1.75	0.12	\$0.12	\$0.12
Mont Vernon	257,192,396	263,965,616	111,150	1,471,059	5.72	0.43	\$0.43	\$0.42
Nelson	117,455,476	130,390,440	45,338	566,077	4.82	0.39	\$0.39	\$0.35

Fire Departments and Emergency Medical Services in New Hampshire

Location	2012 Gross Valuation (Taxable Properties)	2012 Gross Valuation (All properties)	2012 Net Fire/Amb Budget	2012 Net Approp.	2012 Town Tax Rate	CPT Based Net Approp	CPT Protected Value (Taxable Properties)	CPT Protected Value (All Properties)
New Boston	538,147,762	575,488,362	145,282	2,955,293	5.49	0.27	\$0.27	\$0.25
New Castle	637,604,431	688,189,431	280,997	1,415,815	2.22	0.44	\$0.44	\$0.41
New Durham	418,336,090	432,018,740	125,533	2,867,021	6.85	0.30	\$0.30	\$0.29
New Ipswich	416,880,265	445,031,465	172,669	1,480,514	3.55	0.41	\$0.41	\$0.39
Newbury	695,543,508	736,926,591	170,770	2,643,465	3.80	0.25	\$0.25	\$0.23
Newfields	257,373,044	274,339,744	54,900	1,429,505	5.56	0.21	\$0.21	\$0.20
Newmarket	743,157,083	796,216,515	123,339	4,517,119	6.07	0.17	\$0.17	\$0.15
Newton	470,920,585	492,165,285	192,025	1,467,068	3.11	0.41	\$0.41	\$0.39
Orford	146,460,194	162,527,694	67,222	872,785	5.96	0.46	\$0.46	\$0.41
Pembroke	618,782,568	658,262,718	405,229	3,581,182	5.78	0.65	\$0.65	\$0.62
Piermont	97,796,984	110,212,984	60,300	633,288	6.47	0.62	\$0.62	\$0.55
Pittsburg	289,357,995	310,492,095	124,700	470,435	1.62	0.43	\$0.43	\$0.40
Rollinsford	221,628,254	249,876,554	115,455	808,434	3.65	0.52	\$0.52	\$0.46
Rumney	192,672,110	204,042,310	103,459	994,266	5.16	0.54	\$0.54	\$0.51
Salisbury	125,645,305	135,274,905	61,256	541,627	4.32	0.49	\$0.49	\$0.45
Sandown	606,487,820	621,007,450	166,042	2,427,667	4.00	0.27	\$0.27	\$0.27
Sandwich	443,638,192	477,046,292	217,511	1,596,891	3.60	0.49	\$0.49	\$0.46
Shelburne	81,527,665	90,635,965	31,018	255,117	3.13	0.38	\$0.38	\$0.34
So. Hampton	162,341,139	174,698,121	90,129	522,641	3.22	0.56	\$0.56	\$0.52
Springfield	199,804,059	210,529,359	68,115	851,969	4.26	0.34	\$0.34	\$0.32
Stark	69,513,286	81,243,886	27,243	322,318	4.64	0.39	\$0.39	\$0.34
Stewartstown	119,172,868	128,437,068	78,993	415,881	3.49	0.66	\$0.66	\$0.62
Stoddard	283,380,956	287,501,126	76,020	762,774	2.69	0.27	\$0.27	\$0.26
Strafford	455,187,900	470,641,200	179,858	1,130,994	2.49	0.40	\$0.40	\$0.38
Stratford	67,761,774	78,839,274	37,025	242,104	3.57	0.55	\$0.55	\$0.47
Stratham	1,211,962,303	1,285,867,403	59,346	4,294,500	3.54	0.05	\$0.05	\$0.05
Sugar Hill	150,131,081	153,317,813	96,435	1,212,660	8.07	0.64	\$0.64	\$0.63
Sullivan	56,073,785	58,290,985	56,781	595,084	10.61	1.01	\$1.01	\$0.97
Sunapee	1,145,969,120	1,189,170,683	173,764	3,358,848	2.93	0.15	\$0.15	\$0.15
Surry	76,145,784	82,808,784	41,211	235,839	3.10	0.54	\$0.54	\$0.50
Sutton	268,369,650	304,658,367	96,705	1,677,340	6.25	0.36	\$0.36	\$0.32
Swanzey	585,861,401	665,595,888	338,105	3,105,160	5.30	0.58	\$0.58	\$0.51
Tamworth	358,674,899	399,400,176	265,820	1,399,611	3.91	0.74	\$0.74	\$0.67
Temple	152,428,159	162,664,959	77,839	720,137	4.73	0.51	\$0.51	\$0.48
Troy	128,629,595	148,569,745	78,110	1,249,030	9.71	0.61	\$0.61	\$0.53
Unity	133,250,640	136,306,410	56,794	738,473	5.54	0.43	\$0.43	\$0.42
Walpole	415,063,348	441,770,448	267,209	1,789,258	4.31	n/a	\$0.64	\$0.60
Warner	282,282,985	307,758,935	209,492	2,422,849	8.59	0.74	\$0.74	\$0.68
Warren	89,682,808	108,753,008	35,813	420,660	4.69	0.40	\$0.40	\$0.33

Fire Departments and Emergency Medical Services in New Hampshire

Location	2012 Gross Valuation (Taxable Properties)	2012 Gross Valuation (All properties)	2012 Net Fire/Amb Budget	2012 Net Approp.	2012 Town Tax Rate	CPT Based Net Approp	CPT Protected Value (Taxable Properties)	CPT Protected Value (All Properties)
Washington	253,485,552	264,698,017	54,966	1,106,630	4.37	0.22	\$0.22	\$0.21
Weare	803,729,739	857,868,239	189,704	2,686,678	3.35	0.24	\$0.24	\$0.22
Webster	233,160,960	244,261,460	99,191	990,952	4.24	0.42	\$0.43	\$0.41
Wentworth	92,391,792	100,728,892	48,500	685,070	7.42	0.53	\$0.52	\$0.48
Westmoreland	174,171,595	192,339,895	64,191	687,439	3.95	0.37	\$0.37	\$0.33
Whitefield	212,337,120	239,234,520	138,161	1,505,626	7.10	0.65	\$0.65	\$0.58
Wilmot	178,673,411	186,779,211	62,000	982,932	5.50	0.35	\$0.35	\$0.33
Wilton	365,521,245	394,192,699	71,963	2,742,640	7.50	0.20	\$0.20	\$0.18
Winchester	280,983,754	306,779,091	127,726	1,962,311	6.98	0.45	\$0.45	\$0.42
Woodstock	235,291,923	250,519,573	92,775	1,709,782	7.27	0.39	\$0.39	\$0.37
TOTAL	41,030,175,796	43,755,003,624	15,414,282	191,191,434	4.66	0.38	\$0.38	\$0.35
AVERAGE	330,888,514	352,862,932	124,309	1,541,866	5.28	0.45	\$0.47	\$0.43

Gross valuations, budget data, net appropriation, and tax rate came from the DRA. (The net appropriation should be the same as that on the tax rate setting sheet)

The cost per \$1000 based on net appropriation was calculated by dividing the net appropriation by the fire + amb budgets less amb revenue then taking that result and divide it into the town tax rate. (This was not calculated for towns with fire districts and that is indicated by N/A in the column)

The cost per \$1000 protected value was calculated by dividing the net fire/amb budgets (fire plus ambulance budget less ambulance revenues) by the appropriate gross valuation per 1000.

Appendix E – Mutual Aid Associations

Mutual Aid Association	Year Form	Towns
Border Area Mutual Aid Association	1982?	NH: Atkinson, Auburn, Bedford, Candia, Chester, Derry, Goffstown, Hampstead, Hooksett, Hudson, Litchfield, Londonderry, Manchester, Merrimack, Nashua, Pelham, Plaistow, Salem, Windham MA: Chelmsford, Dracut, Groton, Lawrence, Lowell, Methuen, Westford, Tyngsboro
Capital Area Mutual Aid Compact		Allenstown, Boscawen, Bow, Bradford, Canterbury, Chichester, Concord, Deering, Dunbarton, Epsom, Henniker, Hooksett, Hopkinton, Loudon, Northwood, Pembroke, Pittsfield, Salisbury, Warner, Webster
Interstate Emergency Unit		NH: Atkinson, Auburn, Barrington, Brentwood, Candia, Chester, Danville, Deerfield, Derry, Dover, Durham, East Kingston, Epping, Exeter, Fremont, Greenland, Hampstead, Hampton, Hampton Falls, Kensington, Lee, Kingston, Londonderry, Madbury, New Castle, Newfields, Newington, Newmarket, Newton, North Hampton, Northwood, Nottingham, Plaistow, Portsmouth, Raymond, Rochester, Rollinsford, Rye, Salem, Sandown, Seabrook, Somersworth, South Hampton, Stratham, Windham MA: Amesbury, Merrimac, Newburyport, Salisbury, West Newbury ME: Eliot, Kittery, S. Berwick
Kearsage Mutual Aid Association	1968?	Andover, Bradford, Hopkinton, Henniker, New London, Newbury, Newport, Springfield, Sunapee, Sutton, Warner, Weare, Wilmot
Lakes Region Fire Mutual Aid Association	1971	Alexandria, Alton, Andover, Ashland, Barnstead, Belmont, Bridgewater, Bristol, Campton, Center Harbor, Danbury, Dorchester, Ellsworth, Franklin, Gilford, Gilmanton, Groton, Hebron, Hill, Holderness, Laconia, Meredith, Moultonborough, New Durham, New Hampton, Northfield, Plymouth, Rumney, Sanbornton, Sandwich, Strafford, Thornton, Tilton, Warren, Waterville Valley, Wentworth
Mt Washington Valley Mutual Aid		Bartlett, Jackson, Center Conway, Conway Village, East Conway, North Conway, Redstone
Northern New Hampshire Fire Mutual Aid Pact (Norpac)	1989	NH: Bethlehem, Carroll, Colebrook, Columbia, Dalton, Errol, Gorham, Groveton (Northumberland), Jefferson, Lancaster, Littleton, Milan, Pittsburg, Randolph, Shelburne, Stark, North Stratford, Whitefield VT: Beecher Falls, Lunenburg
Ossipee Valley Mutual Aid Association		Bartlett, Brookfield, Conway Village, Effingham, Freedom, Jackson, Madison, Milton, Tamworth, Tuftonboro, Wakefield, Wolfeboro, Center Ossipee, Ossipee Corner, West Ossipee
Souhegan Mutual Aid Association	1949	NH: Amherst, Bedford, Brookline, Goffstown, Greenville, Hollis, Hudson, Litchfield, Lyndeborough, Mason, Merrimack, Milford, Mont Vernon, Nashua, New Boston, New Ipswich, Temple, Weare, Wilton MA: Pepperell
Seacoast Chiefs Fire Net	1974	NH: Barrington, Brentwood, Deerfield, Dover, Durham, East Kingston, Epping, Exeter, Fremont, Greenland, Hampton, Hampton Falls, Kensington, Kingston, Lee, Madbury, New Castle, Newfields, Newington, Newmarket, Newton, North Hampton, Nottingham, Portsmouth, Rochester, Rollingsford, Rye, Seabrook, Somersworth, South Hampton, Stratham, Portsmouth Naval Shipyard, Pease Air National Guard Base, and Seabrook Nuclear Power Plant. MA: Amesbury, Merrimac, Newburyport, Salisbury, West Newbury

Fire Departments and Emergency Medical Services in New Hampshire

		ME: Eliot, Kittery
Southwest New Hampshire Mutual Aid Association	1958	NH: Acworth, Alstead, Amherst, Antrim, Bennington, Charlestown, Chesterfield, Claremont, Dublin, Fitzwilliam, Francestown, Gilsum, Goshen, Greenfield, Hancock, Harrisville, Hinsdale, Jaffrey, Keene, Langdon, Lempster, Lyndeborough, Marlborough, Marlow, Nelson, New Ipswich, Peterborough, Richmond, Rindge, Roxbury, Sharon, Spofford, Stoddard, Sullivan, Surry, Swanzey, Temple, Troy, Unity, Walpole, Washington, Westmoreland, Winchester MA: Royalston, Winchendon VT: Brattleboro, Bellows Falls, Chester, Dummerston, Dover, Grafton, Guilford, Halifax, Jamaica, Londonderry, Marlboro, Newfane, Peru, Putney, Readsboro, Saxton's River, Winhall, Springfield, Stratton, Townshend, Vernon, Wardsboro, Westminster, Weston, Whitingham, Wilmington, Windham
Twin State Mutual Aid Association	1960	NH: Bath, Bethlehem, Carroll, Easton, Franconia, Haverhill Corner, Landaff, Lincoln, Lisbon, Littleton, Lyman, Monroe, North Haverhill, Piermont, Sugar Hill, Warren, Whitefield, Woodstock, Woodsville VT: Barnet, Bradford, Groton, Newbury, Peacham, Ryegate, Wells River
Upper Valley Mutual Aid Association	1997?	NH: Canaan, Claremont, Cornish, Enfield, Goshen, Grafton, Grantham, Hanover, Lebanon, Lyme, Meriden, Orange, Orford, Piermont, Plainfield, Springfield VT: Ascutney, Barnard, Bradford, Bridgewater, Fairlee, Hartford, Hartland, Norwich, Pomfret?, Sharon, S. Royalston, Strafford, Teago, Thetford, Vershire, West Fairlee, Windsor, Woodstock, White River Valley
No Mutual Aid Affiliation		Croydon, Farmington, Middleton

Out-of-State Mutual Aid Associations that some NH Towns belong to

Connecticut River Valley Mutual Aid		VT: Ascutney, Bellows Falls, Bridgewater, Cavendish, Chester, Hartland, Killington, Ludlow, Mount Holly, Plymouth, Proctorsville, Putney, Reading, Rockingham, Saxton's River, S. Londonderry, S. Woodstock, Springfield, Weathersfield, West Windsor, Westminster, Weston, Windsor, Woodstock NH: Charlestown, Claremont, Cornish
TriState Fire Mutual Aid Association		MA: Amherst, Ashfield, Athol, Bernardston, Buckland, Charlemont, Colrain, Conway, Deerfield, Erving, Gill, Greenfield, Hadley, Hawley, Heath, Leverett, Leyden, Monroe, Montague, New Salem, Northfield, Orange, Pelham, Petersham, Rowe, Royalston, Shelburne Center, Shelburne Falls, South Deerfield, Sunderland, Turner Falls, Warwick, Wendell, Whately, Williamsburg NH: Hinsdale, Keene, Swanzey VT: Brattleboro, Guilford, Halifax, Vernon