

Fire Departments and Emergency Medical Services in New Hampshire

2017/FY17-2020/FY20



Compiled by

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Bruce Kling

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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 almost 29,819 fire departments in the United States of which only about 17% are full-time departments¹ but protect almost 2/3rds of the population. 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 ten (10) 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

¹ U.S. Fire Department Profile 2017. March 2019. Ben Evarts and Gary P. Stein.

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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.

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, Greenland in 2019, Lee, Milton, New Hampton, New London, and Tuftonboro) have done this over the last decade or so. 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.

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

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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.

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 and Colebrook 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.

Fire Department Merges and/or Transitions

Several fire and rescue departments have merged together over the years and several private fire departments have transitioned to municipal fire departments.

- Amherst fire department became a town department in 1960. Amherst Fire and Amherst EMS merge to become Amherst Fire-Rescue in 2016.
- Barnstead merged its two fire departments and rescue department into one single entity in 1995. It subsequently became a municipal department in 2010.
- The Bartlett Fire Department was formed in 1897. The Glen Fire Department was formed in 1948. The two departments merged into the Bartlett Fire Department in 1984.
- The Enfield Fire Department became a municipal department in 1957. Prior to that, it was a fire precinct formed in 1866.
- 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.
- The Hinsdale Fire Department was formed in 1893 with the merger of the Hinsdale Hose Company and the Hinsdale Hook and Ladder Company.
- 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.

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- Fremont merged its fire and rescue departments in 2007. Barrington merged its ambulance squad with the fire department as did Bradford Rescue in 2007.
- The Canterbury fire department was private organizations funded by the town but it became municipal departments in 2010.
- Tamworth Rescue merges with Tamworth Fire to become the Tamworth Fire and Rescue Department in 2017.
- Deerfield Fire merges with Deerfield Rescue to become Deerfield Fire-Rescue at the start of 2018.
- The private Plainfield Fire and Meriden Fire Departments merge and become a municipal department in 2019.
- Gorham EMS merges with the Gorham Fire Department in 2020.
- Haverhill Corner and North Haverhill Fire Departments merged into a town fire department in 2021.

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.

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. However, this arrangement ended at the start of FY2019 and Laconia now assumes all financial responsibility for the ambulance service.
- 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 starting in 2005. 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 starting in 2007.
- Auburn, Candia, Claremont, Durham, Freedom, Holderness, Manchester, Milford, Nashua, Newton, Swanzy, and Warner provide a paramedic-level non-transport first responder service to its residents.

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- Allenstown, Chester, Croydon, Danbury, Dublin, Francestown, Fremont, Goshen, Gilsum, Grantham, Greenville, Harrisville, Jaffrey, Litchfield, Mason, Moultonborough, New Castle, New Ipswich, New London, Newbury, Rindge, Sandwich, Somersworth, Springfield, Sunapee, Surry, Sutton, Tuftonboro, Westmoreland, Wilmot, 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.
- 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.
- 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 following table summarizes the number of emergency ambulance providers by category and the number of towns covered. New Hampshire has a total of 234 municipalities and the total covered shows 239. This is due to several towns covered by multiple providers.

Category	# Providers	% Providers	Towns Covered	% towns served
Fire Department	87	68%	133	56%
Municipal Dept	21	16%	41	17%
Non-Profit	9	7%	20	8%
Hospital	2	2%	9	4%
Commercial	9	7%	36	15%
Total	128		239	

The last column in the above table shows what percentage of towns is serviced by emergency ambulance transport providers in New Hampshire. So, while 7% of emergency ambulance transport agencies are provided by commercial ambulance companies, they service 15% of the towns in New Hampshire.

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 New Hampshire.

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Appendix G shows the ambulance service providers and the towns they contractually service.

Ambulance Service Changes

- 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 takes over the non-profit Wilton ambulance service in 2007.
- North Walpole switches ambulance service from Lefevre Ambulance to Golden Cross in 2008.
- 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.
- 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.
- Somersworth switches from AMR to American Ambulance in 2013.
- Rollinsford switches to York Ambulance in 2014 after South Berwick Rescue ceases operations.
- Harrisville and Marlborough switch to DiLuzio Ambulance after Marl-Harris Ambulance ceases operations in 2015.
- Croydon switches from Newport Ambulance to New London Ambulance in 2016.
- Easton, Littleton, and Sugar Hill switch ambulance service from Ross Ambulance to Calnex Ambulance as Ross Ambulance goes out of business. Easton and Sugar Hill then switch to Littleton Fire for ambulance service in 2019 after Littleton Fire starts its own ambulance service.
- Greenfield switches from Peterborough to Wilton Ambulance in 2019. With this change, Wilton now pays 51% of the ambulance budget and Temple, Lyndeborough, and Greenfield 16.33%.
- Somersworth switches from American Ambulance to Stewart's Ambulance in 2019.
- Temple switches from Wilton ambulance to Peterborough Fire for ambulance service in 2020.
- Eaton, Effingham, Freedom, Madison, Ossipee, and Tamworth switch ambulance service from North Conway Ambulance to Action Ambulance in 2020.
- Charlestown Ambulance service dissolved and Charlestown now gets ambulance service from Golden Cross Ambulance.

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:

- 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.

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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 by almost 50%³. It is estimated that 62% of all fire department calls in 2004 were EMS-related and remains so

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

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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.
- Bridgewater, Franklin, Gilmanston, 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.

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

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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 (4), Plymouth (4), Groveton (4), Bradford (3), Campton-Thorton (3), Derry (3), Gorham (3), Hopkinton (3), Hanover (3), Lisbon (3), Wilton (3), Woodsville (3), Amherst (2), Antrim (2), Brookline (2), Hebron (2), Hillsborough (2), Hudson (2), Loudon (2), Marlow (2), Newmarket (2), Newport (2), Portsmouth (2), Wakefield (2), and Whitefield (2). So, the EMS call volume numbers for these communities are not specific to that town alone.
- 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, 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

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

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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, 38 do police-only dispatch and 48 do fire and EMS dispatch. The three biggest ones are 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. Appendix F shows the local dispatch centers for fire and EMS.

Issues Facing Fire Departments in NH

1. Aging apparatus and facilities. It is estimated that about 45% 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, with about 30% having no backup power and just under half 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, NFIRS report from the State, EMS report from the State, and local dispatch centers) 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 Third Needs Assessment of the Fire Service: New Hampshire. October 2011. NFPA Fire Analysis and Research, Quincy MA.

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 Swanzy fire chief positions become full-time.

Fire Departments and Emergency Medical Services in New Hampshire

Washington Rescue and Fitzwilliam FD start charging for ambulance service.

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:

Amherst EMS merges with Amherst Fire Department to become Amherst Fire Rescue.
Croydon switches from Newport Ambulance to New London Hospital for ambulance service.
Salisbury started charging for ambulance service.

2017/FY18:

Meadowood Fire department dissolves after 64 years of service.
Tamworth Rescue merges with the Tamworth Fire Department.

2018/FY19:

Deerfield Rescue merges with the Deerfield Fire Department.
Pelham Fire now dispatched by Londonderry Fire

2019/FY2019:

Greenland Fire Department hires 2 full-time firefighters working a 12h workday shift.
Plainfield and Meriden Volunteer Fire Departments merge and become a municipal fire department.
Somersworth switches from American Ambulance to Stewart's Ambulance

2020/FY2020:

Gorham EMS merges with Gorham Fire Department.
Temple switches from Wilton Ambulance to Peterborough Fire Department 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	ISO Rating	EMS Calls (17-20)	Total FD Call (17-20)	EMS Services	Transport Agency
Barnstead	4,597 over 42.0 sq mi	Lakes Region Dispatch	6/30 3 shifts of 2 24/48 shift 2 stations	9/10	455 466 468 495	708 742 713 799	Barnstead Fire-Rescue	Barnstead Fire-Rescue
Bedford	21,610 over 32.8 sq mi	Bedford PD	22/13=>33/9 4 shifts of 7 24/72 shift 1 station	5/9	2096 2094 2427 2426	2727 2790 3076 2976	Bedford Fire	Bedford Fire
Belmont	7,268 over 30.5 sq mi	Lakes Region Dispatch	13/12 4 shifts of 4/2 24/72 shift 2 stations	2/2Y	978 955 1076 1104	1475 1532 1563 1722	Belmont Fire	Belmont Fire
Berlin	9,612 over 61.6 sq mi	Berlin PD	21/6 4 shifts of 5/4 10/14 shift 1 station	5/9	1793 1813 1898 1647	550 1061 780 660	Berlin Amb	Berlin Amb
Bow	7,658 over 28.0 sq mi	Capitol Area Dispatch	4/40 => 8/40 3 shifts of 3/2 24/48 shift 1 station	6/9	632 682 734 660	1047 1004 1196 1136	Bow Fire	Bow Fire
Bristol	3,062 over 17.1 sq mi	Lakes Region Dispatch	7/30 3 shifts of 2 24/48 shift 1 station	5/9	779 812 913 843	1142 1291 1320 1238	Bristol Fire	Bristol Fire
Claremont	13,051 over 43.1 sq mi	Claremont PD	18/20 4 shifts of 4 10/14 shift 1 station	4/8B	507 571 550 588	1112 1393 1202 1275	Golden Cross	Golden Cross
Concord	42,419 over 64.3 sq mi	Capitol Area Dispatch	100/4 4 shifts of 22 12/12 shift 4 stations	3/9	4551 4771 4902 4836	8257 8600 8952 8777	Concord Fire	Concord Fire
Derry	33,251 over 35.6 sq mi	Derry Fire	86/0 => 76/0 4 shifts of 15 24/72 shift 4 stations	5/9	3615 3675 3274 3144	5071 5091 5021 4805	Derry Fire	Derry Fire
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	3/9	3264 3365 3722 3702	5426 4974 6191 5913	Dover Fire-Rescue	Dover Fire-Rescue
Durham	15,380 over 22.4 sq mi	Strafford CSO	27/9 4 shifts of 5 1-2-1-4 shift 1 station	4/10	1366 1305 1275 927	2797 2732 2416 1976	Durham Fire	McGregor Memorial Amb
Exeter	14,531 over 19.6 sq mi	Exeter PD	30/13 4 shifts of 6 1-1-1-5 shift 1 station	4/9	2061 1950 2067 1839	3473 3234 3370 3034	Exeter Fire	Exeter Fire
Franklin	8,438 over 27.3 sq mi	Lakes Region Dispatch	19/24 4 shifts of 4 1-2-1-4 shift 1 station	4/9	1433 1377 1393 1444	1979 1946 1826 1891	Franklin Fire	Franklin Fire
Gilford	7,116 over 38.9 sq mi	Lakes Region Dispatch	15/17 4 shifts of 3 1-2-1-4 shift 1 station	5/9	1066 935 1199 1089	1665 1649 1737 1748	Gilford Fire-Rescue	Gilford Fire-Rescue

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	Staffing FT/Call	ISO Rating	EMS Calls (17-20)	Total FD Call (17-20)	EMS Services	Transport Agency
Goffstown	17,802 over 36.9 sq mi	Goffstown PD	14/49 => 17/62 2 shifts of 6 2/2/3/2/2/3 shift 3 stations*	4/8B	1484 1516 1602 1507	2474 2465 2406 2414	Goffstown Fire	Goffstown Fire
Hampton	15,177 over 12.9 sq mi	Self Dispatch	46/0 4 shifts of 10 10/14 shift 2 stations	3	2259 2209 2412 2383	4424 4326 4580 3177	Hampton Fire-Rescue	Hampton Fire-Rescue
Hanover	11,320 over 49.0 sq mi	Upper Valley Regional Dispatch	19/15=>23/6 4 shifts of 5 10/14 shift 2 stations*	4/9	1174 1203 1207 1634	1942 2015 1926 3043	Hanover Fire	Hanover Fire
Hooksett	13,716 over 36.4 sq mi	Capitol Area Dispatch	29/2 => 33/3 4 shifts of 6/7 1-1-1-5 shift 2 stations	4/9	1390 1469 1338 1448	2346 2287 2477 2433	Hooksett Fire-Rescue	Hooksett Fire-Rescue
Hudson	24,645 over 28.3 sq mi	Self Dispatch	44/18 => 54/2 4 shifts of 9/10 10/14 shift 3 stations*	4/8B	2582 2585 2522 2099	3417 3991 3791 3208	Hudson Fire	Hudson Fire
Keene	23,419 over 37.3 sq mi	Southwest NH Dispatch	43/30 => 46/24 4 shifts of 10 2on/1off/2on/3 off 2 stations	4	3315 3229 3325 3445	4816 4767 4821 4985	Keene Fire	Keene Fire
Laconia	16,010 over 20.0 sq mi	Lakes Region Dispatch	33/7 => 42/7 4 shifts of 9 1-2-1-4 shift 2 stations*	3/9	3460 3527 3709 3311	4914 4939 4768 4415	Laconia Fire	Laconia Fire
Lebanon	13,599 over 40.4 sq mi	Lebanon PD	25/13 => 29/13 4 shifts of 6 10/14 shift 3 stations*	4/9	2499 2668 2908 2588	3526 3693 3855 3527	Lebanon Fire	Lebanon Fire
Littleton	5,955 over 50.1 sq mi	Grafton CSO	11/11 4 shifts of 2/3 24/72 shift 1 station	5/9	656 719 797 920	930 1060 1126 1240	Littleton Fire-Rescue	Littleton Fire-Rescue
Londonderry	24,308 over 41.8 sq mi	Self Dispatch	47/15 => 52/3 4 shifts of 11 1-1-1-5 shift 3 stations	5/9	2407 2249 2398 2127	3819 4013 3955 3731	Londonderry Fire	Londonderry. Fire
Manchester	110,378 over 33.0 sq mi	Self Dispatch	224/0 4 shifts of 48 24/72 shift 10 stations	2	20,124 19,772 20,612 18,708	25,198 25,237 25,907 23,832	Manchester Fire	AMR
Merrimack	25,599 over 32.6 sq mi	Merrimack PD	42/15 4 shifts of 9 24/72 shift 3 stations*	5/9	2155 2279 2051 2033	3031 3315 3163 3139	Merrimack Fire-Rescue	Merrimack Fire-Rescue
Nashua	87,137 over 30.9 sq mi	Self Dispatch	180/0 4 shifts of 38 10/14 shift 6 stations	2	8345 8054 6483 5332	13,581 13,553 11,324 9457	Nashua Fire	AMR
Newington	755 over 8.2 sq mi	Rockinghm CSO	10/8 4 shifts of 2 24/72 shift 1 station	5	316 357 305 267	705 787 853 911	Newington Fire	Newington Fire
North Hampton	4,372 over 13.9 sq mi	Self Dispatch	14/5 4 shifts of 3 1-1-1-5 shift 1 station	5/9	760 801 896 746	1104 1250 1269 1124	North Hampton Fire	North Hampton Fire

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	Staffing FT/Call	ISO Rating	EMS Calls (17-20)	Total FD Call (17-20)	EMS Services	Transport Agency
Pelham	13,088 over 26.4 sq mi	London. Fire	15/31 => 23/31 4 shifts of 5 24/72 shift 1 station	5/8B	1062 1008 979 964	1493 1665 1455 1436	Pelham Fire	Pelham Fire
Plymouth	6,987 over 28.1 sq mi	Lakes Region Dispatch	11/30 4 shifts of 2 24/72 shift 1 station	5/9	1131 1201 1216 1142	1597 1755 1744 1604	Plymouth Fire-Rescue	Plymouth Fire-Rescue
Portsmouth ⁸	21,440 over 15.6 sq mi	Portsmouth PD	64/0 4 shifts of 14 10/14 shift 3 stations	4	3585 3485 3383 3104	4904 4892 4761 4409	Portsmouth Fire	Portsmouth Fire
Rochester	29,745 over 45.4 sq mi	Rochester PD	42/5 4 shifts of 9 10/14 shift 2 stations	3/3X	1380 1268 1173 1247	2841 2839 2757 2700	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	5	530 468 549 479	905 829 930 762	Rye Fire-Rescue	Rye Fire-Rescue
Salem	28,866 over 24.7 sq mi	Self Dispatch	65/0 => 84/0 4 shifts of 17 10/14 shift 3 stations	5/9	3505 3673 3784 3755	5406 5604 5473 5279	Salem Fire	Salem Fire
Seabrook	8,749 over 8.9 sq mi	Self Dispatch	26/12 4 shifts of 6 24/72 shift 1 station	4	1173 1280 1521 1805	2628 3048 3299 3676	Seabrook Fire	Seabrook Fire
Somersworth	11,741 over 9.8 sq mi	City Police	13/15=>17/12 4 shifts of 4 11/13 shift 1 station	4	794 631 795 703	1554 1502 1619 1399	Stewart's Ambulance	Stewart's Ambulance
Tilton- Northfield Fire District	8,391 over 39.9 sq mi	Lakes Region Dispatch	10/40 => 16/15 4 shifts of 4/2 24/48 shift 2 stations*	5/9	1291 1449 1375 1381	1844 1973 2000 2010	Tilton Northfield Fire	Tilton Northfield Fire
Windham	14,113 over 26.8 sq mi	Derry Fire	18/10 => 26/10 4 shifts of 5 1-1-1-5 shift 1 station	6/9	1057 1162 1059 939	1937 2011 1762 1746	Windham Fire	Windham Fire
Wolfeboro	6,215 over 47.9 sq mi	Wolfeboro PD	12/5 3 shifts of 3 48h Kelly sched. 2 stations*	6/8B	769 734 858 784	1342 1331 1507 1393	Stewarts Ambulance	Stewarts Ambulance

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

⁸ 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	ISO Rating	EMS Calls (17-20)	Total FD Call (17-20)	EMS Services	Transport Agency
Allenstown	4,276 over 20.3 sq mi	Capitol Area Dispatch	2/18 1 shift of 2 1 station	4/8B	488 446 528 591	716 668 746 821	Allenstown Fire	Tri-Town Amb
Amherst	11,261 over 34.3 sq mi	Amherst Comm. Center	3/36 1 shift of 3 2 stations*	4/9	891 1004 1039 861	1153 1218 1609 #	Amherst Fire-Rescue	Amherst Fire-Rescue
Auburn	5,158 over 25.2 sq mi	Derry Fire	0/45 => 2/30 1 shift of 2 2 stations*	4/9	261 282 306 293	464 541 558 635	Auburn Fire	Derry Fire
Brentwood	4,693 over 16.8 sq mi	Rockingh. CSO	2/28 1 shift of 2 1 station	7	591 397 411 389	988 719 738 711	Brentwood Fire-Rescue	Brentwood Fire-Rescue
Brookline	5,087 over 19.8 sq mi	Hollis PD	2/28 1 shift of 2 1 station	9/10	395 384 418 414	671 678 706 693	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*	6/8B	490 562 468 547	799 853 822 889	Campton Thornton Fire	Campton Thornton Fire
Carroll	757 over 50.2 sq mi	CSO	1/22 => 2/22 1 shift of 2 1 station	6/9	239 214 224 187	340 309 339 297	Twin Mountain Fire	Twin Mountain Fire
Chester	4,880 over 25.9 sq mi	Derry Fire	0/38 => 2/37 1 shift of 2 1 station	9/10	188 214 217 218	421 424 417 466	Chester Fire	Derry Fire
Conway – Conway Village Fire Precinct	5,000 over 3.4 sq mi	Conway PD	4/32 1 shift of 2 1 station	5/9	869 953 978 988	1133 1299 1296 1337	Conway Village Fire	Conway Village Fire
Conway – North Conway Fire District	2,069 over 10.1 sq mi	Conway PD	2/45 1 shift of 2 1 station		674 633 605 594	1282 1251 1215 1209	North Conway Fire	Action Ambulance
Epping	6,649 over 26.0 sq mi	Rockingh. CSO	3/57 1 shift of 2 2 stations*	5/9	814 831 849 833	1240 1298 1301 1301	Epping FD	Epping FD
Epsom	4,592 over 34.2 sq mi	Capitol Area Dispatch	4/25 2 shifts of 2 1 station	5/9	662 689 709 670	937 984 1014 960	Epsom Fire-Rescue	Epsom Fire-Rescue
Farmington	6,797 over 37.2 sq mi	Strafford CSO	3/40 => 5/40 1 shift of 4 1 station	5/9	981 880 908 910	1354 1213 1196 1265	Farmington Fire-Rescue	Farmington Fire-Rescue
Gilmanton	3,774 over 57.2 sq mi	Lakes Region Dispatch	4/20 => 4/36 2 shifts of 2 2 stations*	4/10	292 339 329 363	544 615 587 656	Gilmanton Fire	Gilmanton Fire

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	Staffing FT/Call	ISO Rating	EMS Calls (17-20)	Total FD Call (17-20)	EMS Services	Transport Agency
Gorham	2,738 over 31.9 sq mi	Gorham PD	3/24 => 4/24 1 shift of 4 2 stations*	5/8B	482 541 516 457	130 153 160 633	Gorham Fire & EMS	Gorham EMS
Hampstead	8,569 over 13.3 sq mi	London. Fire	2/32 => 4/32 1 shift of 2 2 stations*	9	756 745 701 619	1171 1200 1088 1073	Hampstead Fire-Rescue	Trinity EMS
Henniker	4,785 over 44.1 sq mi	Capitol Area Dispatch	2/40 1 shift of 2 1 station	6/9	649 712 773 835	928 972 1030 1021	Henniker Rescue	Henniker Rescue
Hillsborough	6,028 over 43.6 sq mi	Capitol Area Dispatch	2/37 1 shift of 2 1 station	5/9	884 967 720 757	1102 1196 1065 1011	Hillsboro Fire-EMS	Hillsboro Fire-EMS
Hollis	7,730 over 31.8 sq mi	Hollis PD	7/40 2 shifts of 4 1 station	5/9	431 431 451 430	940 894 980 916	Hollis Fire	Hollis Fire
Hopkinton	5,595 over 43.3 sq mi	Capitol Area Dispatch	5/32 => 7/32 2 shifts of 2 2 stations*	5/9	849 800 800 1000	1192 1144 1175 1199	Hopkinton Fire	Hopkinton Fire
Kingston	6,091 over 19.6 sq mi	Rockingh. CSO	4/45 => 5/45 1 shift of 3 2 stations	6/8B	708 675 622 711	967 1007 908 1022	Kingston Fire	Kingston Fire
Lancaster ⁹	3,436 over 49.8 sq mi	State Highway Dispatch	2/50 1 shift of 2 2 stations*	6/9	686 733 703 628	786 841 813 718	Lancaster EMS	Lancaster EMS
Lee	4,366 over 20.0 sq mi	Strafford CSO	0/23 => 2/23 1 shift of 2 1 station	5/10	422 391 429 394	655 696 707 661	Lee Fire-Rescue	McGregor Memorial Ambulance
Litchfield	8,346 over 15.1 sq mi	Hudson Fire	2/29 1 shift of 2 1 station	5/9	346 357 404 383	653 676 653 661	Litchfield Fire	Hudson Fire
Loudon	5,343 over 46.8 sq mi	Capitol Area Dispatch	2/47 => 3/39 1 shift of 3 2 stations*	9/10	761 676 689 534	1116 941 921 845	Loudon Fire	Loudon Fire
Milford	15,137 over 25.2 sq mi	MACC Base	4/44 1 shift of 4 1 station	3/8B	2041 2035 2057 1873	1052 1179 1137 2805	Milford Fire	Milford Fire
Milton	4,575 over 33.1 sq mi	Milton PD	1/33 => 2/33 1 shift of 2 2 stations*	6/9	558 550 522 597	876 817 803 890	Milton Fire-Rescue	Milton Fire-Rescue
Moultonborough	4,026 over 59.5 sq mi	Lakes Region Dispatch	2/36 1 shift of 2 2 stations*	9/10	472 418 516 540	914 780 909 937	Moultnboro Fire	Stewart's Ambulance

⁹ Lancaster does a lot of non-emergency interfacility transfers. The EMS calls would be over 2000 if these calls were included.

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	Staffing FT/Call	ISO Rating	EMS Calls (17-20)	Total FD Call (17-20)	EMS Services	Transport Agency
New Hampton	2,188 over 36.7 sq mi	Lakes Region Dispatch	0/16 => 2/16 1 shift of 2 1 station	6/9	277 399 411 337	555 599 573 615	New Hampton Fire	New Hampton Fire
New London	4,574 over 22.5 sq mi	New London PD	1/45 => 2/45 1 shift of 2 1 station	6/9	361 419 430 368	863 959 980 894	N London Fire	N London Hospital
Newport	6,382 over 43.6 sq mi	Newport PD	7/39 1 shift of 2 1 station	4/9	1132 1104 1162 1054	1799 1727 1601 1435	Newport Fire	Newport Fire
Northwood	4,281 over 28.0 sq mi	Capitol Area Dispatch	4/30 2 shifts of 2 2 stations*	9/10	357 354 428 402	755 671 610 626	Northwood Fire-Rescue	Northwood Fire-Rescue
Nottingham	4,881 over 46.5 sq mi	Rockingh. CSO	2/30 1 shift of 2 1 station	9/10	272 310 303 254	417 476 416 536	Nottingham Fire-Rescue	Nottingham Fire-Rescue
Peterborough	6,410 over 37.7 sq mi	Southwest NH Dispatch	1/39 1 shift of 3 1 station	5/9	1270 1523 1042 #	1647 1908 1441 1306	Peterboro Fire-Rescue	Peterboro Fire-Rescue
Pittsfield	4,082 over 23.9 sq mi	Capitol Area Dispatch	6/45 1 shift of 2 1 station	6/9	632 564 633 593	948 878 902 863	Pittsfield Fire	Pittsfield Fire
Plaistow	7,623 over 10.5 sq mi	Plaistow PD	3/32 1 shift of 2 1 station	4/4Y	679 717 763 693	1069 1038 1100 1098	Plaistow Fire	Trinity EMS
Raymond	10,216 over 28.8 sq mi	Raymond PD	2/40 1 shift of 2 1 station	4/8B	1591 1672 1722 1619	676 535 518 461	Raymond Fire	Raymond Ambulance
Rindge	5,894 over 37.2 sq mi	Southwest NH Dispatch	2/22 1 shift of 2 1 station	6/9	459 455 478 446	791 822 837 814	Rindge Fire	VFW Ambulance
Sanbornton	2,968 over 47.6 sq mi	Lakes Region Dispatch	2/29 1 shift of 2 2 stations*	9/10	234 251 291 250	463 458 471 519	Sanbornton Fire-Rescue	Sanbornton Fire-Rescue
Tuftsboro	2,350 over 41.0 sq mi	Carroll CSO	1/20 => 2/20 1 shift of 2 2 stations*	6/8B	276 275 312 317	609 512 574 538	Tuftsboro Fire-Rescue	Lord Ambulance
Wakefield	5,013 over 39.5 sq mi	Carroll CSO	2/31 => 4/30 1 shift of 2 3 stations*	6/9	705 735 762 742	1126 1064 1164 1270	Wakefield Fire-Rescue	Wakefield Fire-Rescue
Waterville Valley	248 over 64.9 sq mi	Lakes Region Dispatch	8/20 1 shift of 8 2 stations*	4/9	192 241 169 184	268 320 261 262	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.

Fire Departments and Emergency Medical Services in New Hampshire

Call/Volunteer Departments

Department	Pop/ Cover Area	Dispatch	ISO Rating	EMS Calls (18-20)	Total FD Call (18-20)	EMS Services	Transport Agency
Acworth	890 over 38.9 sq mi	Southwest NH Dispatch	9/10	77 80 64	125 123 100	Acworth Fire	Golden Cross Ambulance
Alexandria	1,613 in 43.0 sq mi	Lakes Region Dispatch	9/10	129 179 166	248 250 259	Alexandria Fire	Bristol Fire
Alstead	1,931 in 38.8 sq mi	Southwest NH Dispatch	9/10	129 142 141	109 62 93	Alstead Ambulance	Alstead Ambulance
Alton	5,282 in 62.9 sq mi	Lakes Region Dispatch	6/9	580 621 616	874 931 886	Alton Fire-Rescue	Alton Fire-Rescue
Andover – Andover Fire District	2,366 in 40.5 sq mi	Lakes Region Dispatch	7/9	220 206 194	108 99 111	Andover Rescue	Andover Rescue
Antrim	2,640 in 35.7 sq mi	Southwest NH Dispatch	6/9	415 374 297	157 121 135	Antrim Fire	Antrim Ambulance
Ashland	2,070 in 11.0 sq mi	Lakes Region Dispatch	5/9	321 339 349	455 464 566	Ashland Fire	Plymouth Fire-Rescue
Atkinson	6,819 in 11.1 sq mi	Plaistow PD	9	460 462 446	650 659 653	Atkinson Fire	Trinity EMS
Barrington	8,705 in 46.6 sq mi	Strafford CSO	9/10	756 705 723	1032 1064 1131	Barrington Fire-Rescue	Barrington Fire-Rescue
Bartlett	2,764 in 74.9 sq mi	Carroll CSO	6/9	550 587 603	347 313 365	Bartlett– Jackson Ambulance	Bartlett– Jackson Ambulance
Bath	1,082 in 37.7 sq mi	Grafton CSO	6/9	No EMS Svc	50 60 64	Woodsville Ambulance	Woodsville Ambulance
Bennington	1,470 in 11.1 sq mi	Southwest NH Dispatch	5/9	152 133 135	230 208 198	Bennington Fire-Rescue	Antrim Ambulance
Bethlehem	2,552 in 90.6 sq mi	Grafton CSO	6/9	249 285 230	356 370 321	Bethlehem Fire	Bethlehem Fire
Boscawen	3,912 in 24.7 sq mi	Capitol Area Dispatch	6/9	863 927 906	197 186 196	Penacook Rescue	Penacook Rescue
Bradford	1,654 in 35.3 sq mi	Capitol Area Dispatch	9/10	52 80 137	180 172 256	Bradford Rescue	Henniker Rescue
Bridgewater	1,088 in 21.3 sq mi	Lakes Region Dispatch		137 143 193	187 209 260	Bridgewater Fire	Bristol Fire
Canaan	3,902 in 53.2 sq mi	Upper Valley Reg Dispatch	6/9	425 522 456	192 278 363	Canaan FAST	Canaan FAST
Candia	3,902 in 30.3 sq mi	Rockingham CSO	9/10	247 259 275	401 396 429	Candia Fire-Rescue	AMR
Canterbury	2,390 in 43.6 sq mi	Capitol Area Dispatch	6/9	190 210 209	339 328 303	Canterbury Fire-Rescue	Penacook Rescue

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	ISO Rating	EMS Calls (18-20)	Total FD Call (18-20)	EMS Services	Transport Agency
Center Harbor	1,099 in 13.4 sq mi	Lakes Region Dispatch	5/8B	183 185 164	335 360 319	Center Harbor Fire	Stewart's Ambulance
Charlestown	4,981 in 35.8 sq mi	Charlestown PD	6/9	470 400 233	231 244 201	Golden Cross Amb	Golden Cross Amb
Chesterfield – Chesterfield Fire District	3,607 in 45.6 sq mi	Southwest NH Dispatch	8/9	147 111 131	273 281 228	Chesterfield Fire	Rescue, Inc
Chesterfield – Spofford Fire District		Southwest NH Dispatch	9	184 210 209	275 298 284	Spofford Fire	Keene FD
Chichester	2,559 in 21.1 sq mi	Capitol Area Dispatch	9/10	313 356 288	509 549 463	Chichester Fire	Loudon FD
Colebrook	2,233 in 40.7 sq mi	Colebrook RDC	5/9	No EMS Svc	# 115 141	Colebrook Fire	45 th Parallel EMS
Dalton	938 in 27.5 sq mi	State Highway	9/10	118 70 98	177 153 130	Dalton Fire-Rescue	Whitefield Fire-Rescue
Danbury	1,177 in 37.5 sq mi	Lakes Region Dispatch	9/10	140 126 109	193 177 184	Danbury Fire	Bristol Fire
Danville	4,439 in 11.7 sq mi	Rockingham CSO	9/10	203 207 243	351 366 370	Danville Fire	Trinity EMS
Deerfield	4,360 in 50.9 sq mi	Rockingham CSO	6/9	133 180 204	424 441 439	Deerfield Fire-Rescue	Raymond Ambulance
Deering	1,899 in 30.8 sq mi	Capitol Area Dispatch	6/9	166 194 171	277 243 242	Deering Fire-Rescue	Deering Fire-Rescue
Dublin	1,582 in 28.0 sq mi	Southwest NH Dispatch	9/10	116 130 122	245 237 227	Dublin Fire	Peterboro Fire-Rescue
Dunbarton	2,789 in 30.9 sq mi	Capitol Area Dispatch	9/10	144 128 137	242 221 227	Dunbarton VFD	Dunbarton VFD
East Kingston	2,383 in 10.0 sq mi	Rockingham CSO	9	253 220 144	362 359 278	E. Kingston Fire	E. Kingston Fire
Easton	393 over 31.2 sq mi	Carroll CSO		No EMS Svc	22 17 7	Littleton Fire-Rescue	Littleton Fire-Rescue
Effingham	1,540 in 38.4 sq mi	Carroll CSO	9/10	160 164 280	315 370 386	Effingham Fire-Rescue	Action Ambulance
Enfield	4,568 in 40.2 sq mi	Upper Valley Reg Dispatch	6/9	356 449 465	162 139 236	Enfield FAST or Lebanon	Enfield FAST, Lebanon
Fitzwilliam	2,379 in 34.6 sq mi	Southwest NH Dispatch	6/9	254 163 #	407 305 #	Fitzwilliam Fire	Fitzwilliam Fire
Francestown	1,559 in 30.2 sq mi	Southwest NH Dispatch	9/10	80 71 103	158 139 181	Francestown Fire	Peterboro Fire-Rescue
Franconia	1,112 in 65.7 sq mi	Grafton CSO	9/10	282 292 280	106 101 88	Franconia RS	Franconia RS

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	ISO Rating	EMS Calls (18-20)	Total FD Call (18-20)	EMS Services	Transport Agency
Freedom	1,486 in 35.0 sq mi	Carroll CSO	8/9	233 179 185	360 296 350	Freedom Fire	Action Ambulance
Fremont	4,424 in 17.2 sq mi	Raymond PD	9/10	175 225 289	284 317 399	Fremont Fire-Rescue	Raymond Ambulance
Gilsum	815 over 16.7 sq mi	Southwest NH Dispatch	9/10	35 61 41	61 90 79	Gilsum 1 st Responders	Marlow Ambulance
Goshen	799 over 22.5 sq mi	Southwest NH Dispatch	9/10	58 36 51	98 80 92	Goshen Fire	Newport Fire-EMS
Grafton	1,336 in 41.7 sq mi	Upper Valley Reg Dispatch	9/10	122 130 114	56 73 99	Grafton VFD	Grafton Amb Corp
Grantham	2,955 in 27.2 sq mi	Upper Valley Reg Dispatch	9/10	189 176 113	130 113 136	Grantham Fire-EMS	N London Hospital
Greenfield	1,800 in 26.1 sq mi	Southwest NH Dispatch	9/10	159 133 125	248 257 292	Greenfield VFD	Wilton Ambulance
Greenland	3,734 in 10.5 sq mi	Rockingham CSO	6/9	291 255 248	476 456 473	Greenland Fire	Greenland Fire
Greenville	2,071 in 6.9 sq mi	Hillsboro CSO	7/9	557 518 500	148 120 #	Greenville Fire	Souhegan Ambulance
Hampton Falls	2,293 in 12.2 sq mi	Hampton Fire	8/9	173 190 163	307 325 273	Hampton Falls Fire	Hampton Falls Fire
Hancock	1,642 in 30.0 sq mi	Southwest NH Dispatch	6/9	108 75 133	194 142 219	Peterboro Fire	Peterboro Fire
Harrisville	957 over 18.6 sq mi	Southwest NH Dispatch	9/10	34 38 38	127 97 136	Harrisville Fire	DiLuzio Ambulance
Haverhill – Haverhill Corner Fire	4,648 in 51.0 sq mi	Grafton CSO	6/9		106 105 125	Haverhill Corner Fire	Woodsville Ambulance
Haverhill – N. Haverhill Fire District		Grafton CSO	6/9	1601 1626 1318	98 102 86	Woodsville Ambulance	Woodsville Ambulance
Haverhill – Woodsville Fire District		Grafton CSO	6/9		115 144 72	Woodsville Fire-Rescue	Woodsville Ambulance
Hebron	613 over 16.5 sq mi	Lakes Region Dispatch	9/10	133 104 100	218 177 202	Hebron Fire	Hebron Fire
Hill	1,088 in 26.7 sq mi	Lakes Region Dispatch	6/9	76 56 75	114 81 115	Hill Fire	Bristol Fire
Hinsdale	3,972 in 20.6 sq mi	Southwest NH Dispatch	5/9	305 266 283	455 438 482	Hinsdale Fire	Rescue, Inc
Holderness	2,097 in 30.5 sq mi	Lakes Region Di 204spatch	6/9	223 204 177	427 383 355	Holderness Fire	Plymouth Fire-Rescue
Jackson	811 over 66.9 sq mi	Carroll CSO	5/9	550 587 603	112 114 145	Bartlett- Jackson Ambulance	Bartlett- Jackson Ambulance

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	ISO Rating	EMS Calls (18-20)	Total FD Call (18-20)	EMS Services	Transport Agency
Jaffrey	5,403 in 38.3 sq mi	Southwest NH Dispatch	6/9	127 140 109	336 368 325	Jaffrey Fire	VFW Ambulance
Jefferson	1,072 in 50.2 sq mi	State Highway	9/10	49 36 43	79 75 74	Jefferson Fire	Lancaster EMS
Kensington	2,127 in 11.9 sq mi	Rockingham CSO	9	82 143 105	176 216 173	Kensington Fire	Kensington Fire
Landaff	428 over 28.4 sq mi	Grafton CSO	9/10	No EMS Svc	22 23 25	Lisbon Life Squad	Lisbon Life Squad
Langdon	683 over 16.3 sq mi	Southwest NH Dispatch	9	53 44 51	97 73 73	Golden Cross Ambulance	Golden Cross Ambulance
Lempster	1,141 in 32.3 sq mi	Southwest NH Dispatch	9/10	95 67 74	192 145 166	Lempster Rescue	Marlow Ambulance
Lincoln	1,663 in 130.3 sq mi	Lincoln PD	6/9	747 823 768	227 173 215	LinWood Ambulance	LinWood Ambulance
Lisbon	1,582 in 26.2 sq mi	Grafton CSO	5/9	300 324 351	127 153 475	Lisbon Life Squad	Lisbon Life Squad
Lyme	1,700 in 53.8 sq mi	Upper Valley Reg Dispatch	9/10	88 89 95	104 110 207	Lyme FAST squad	Hanover Fire
Lyndeborough	1,691 in 30.4 sq mi	Southwest NH Dispatch	9/10	108 101 96	155 143 251	Wilton Ambulance	Wilton Ambulance
Madbury	1,797 in 11.7 sq mi	Strafford CSO	8/9	109 90 112	209 183 221	McGregor Memorial Ambulance	McGregor Memorial Ambulance
Madison	2,521 in 38.5 sq mi	Carroll CSO	9/10	# 106 122	348 313 242	Action Ambulance	Action Ambulance
Marlborough	2,049 in 20.4 sq mi	Southwest NH Dispatch	6/9	128 128 #	228 209 269	DiLuzio Ambulance	DiLuzio Ambulance
Marlow	742 over 26.0 sq mi	Southwest NH Dispatch	9/10	44 36 45	82 77 77	Marlow Fire-Rescue	Marlow Ambulance
Mason	1,396 in 23.9 sq mi	Hollis PD	9/10	75 87 75	57 80 66	Mason FD 1 st Responders	Brookline Ambulance
Meredith	6,299 in 39.9 sq mi	Lakes Region Dispatch	5/8B	2035 2057 2142	477 448 491	Stewart's Ambulance	Stewart's Ambulance
Middleton	1,781 in 18.1 sq mi	Strafford CSO	9	123 124 154	243 # 200	Middleton Fire-Rescue	Middleton Fire-Rescue
Monroe	787 over 57.7 sq mi	Grafton CSO	7/9	47 43 47	37 30 29	Monroe FAST Squad	Woodsville Ambulance
Mont Vernon	2,436 in 16.6 sq mi	MACC Base	9	No EMS Svc	82 92 70	Amherst Fire-Rescue	Amherst Fire-Rescue
Nelson	734 over 21.9 sq mi	Southwest NH Dispatch	9/10	46 35 33	76 59 62	Nelson Fire	Keene Fire

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	ISO Rating	EMS Calls (18-20)	Total FD Call (18-20)	EMS Services	Transport Agency
New Boston	5,412 in 42.8 sq mi	Goffstown PD	6/9	315 326 349	579 565 670	New Boston Fire	New Boston Fire
New Castle	974 over 0.8 sq mi	Rockingham CSO	5	66 99 85	178 202 193	New Castle Fire	Portsmouth Fire
New Durham	2,650 in 41.5 sq mi	Lakes Region Dispatch	9/10	186 186 166	311 311 312	New Durham Fire	New Durham Fire
New Ipswich	5,128 in 32.8 sq mi	Southwest NH Dispatch	5/9	557 518 500	189 150 203	New Ipswich Fire	Souhegan Ambulance
Newbury	2,112 in 35.8 sq mi	N London PD	9/10	175 187 169	377 372 352	Newbury Fire-Rescue	N. London Hospital
Newfields	1,697 in 7.0 sq mi	Newmarket PD	5/9	130 84 102	271 204 241	Newmarket Fire-Rescue	Newmarket Fire-Rescue
Newmarket	8,940 in 12.6 sq mi	Newmarket PD	5/9	709 716 626	1062 1070 903	Newmarket Fire-Rescue	Newmarket Fire-Rescue
Newton	4,747 in 9.9 sq mi	Rockingham CSO	8/9	197 238 244	727 459 483	Newton Fire-Rescue	Trinity EMS
Northumberland Groveton Fire District	2,229 in 35.7 sq mi	State Highway	7/9	576 519 562	# 60 #	Groveton Ambulance	Groveton Ambulance
Orford	1,244 in 46.7 sq mi	Upper Valley Reg Dispatch	9/10	102 69 63	151 141 114	Orford Fire	Upper Valley Ambulance
Ossipee – Ctr Ossipee Fire District	1,600 in 21.0 sq mi	Carroll CSO	5/9	199 206 211	454 453 522	Center Ossipee Fire	Action Ambulance
Ossipee – Ossipee Corner Fire	1,600 in 36.0 sq mi	Carroll CSO	5/9	330 349 352	514 507 503	Ossipee Corner Fire	Action Ambulance
Ossipee – West Ossipee Fire District	1,200 in 15.0 sq mi	Carroll CSO	9/10	183 174 155	274 274 270	West Ossipee Fire	Action Ambulance
Pembroke	7,127 in 22.8 sq mi	Capitol Area Dispatch	5/9	126 111 110	355 374 383	Pembroke Fire	Tri-Town Ambulance
Piermont	779 over 38.5 sq mi	Upper Valley Reg Dispatch	8/9	28 76 71	116 96 64	Piermont 1 st Responders	Upper Valley Ambulance
Pittsburg	848 over 281.4 sq mi	Colebrook & Beecher Falls FD (s)	9/10	118 64 84	No Data Avail	45 th Parallel EMS	45 th Parallel EMS
Plainfield – Plainfield Fire District	2,337 in 52.2 sq mi ¹⁰	Upper Valley Reg Dispatch	9/10	No EMS Svc	86 103 133	Lebanon & Windsor VT FD	Lebanon & Windsor VT FD
Rollinsford	2,523 in 7.3 sq mi	Dover PD	6/9	39 45 45	168 165 187	Rollinsford Fire	York Ambulance

¹⁰ 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	ISO Rating	EMS Calls (18-20)	Total FD Call (18-20)	EMS Services	Transport Agency
Rumney	1,487 in 41.7 sq mi	Lakes Region Dispatch	9/10	106 165 181	141 96 142	Rumney FAST Squad	WW Ambulance
Salisbury	1,393 in 40.0 sq mi	Capitol Area Dispatch	9/10	82 86 92	172 131 163	Salisbury Fire	Salisbury Fire
Sandown	6,184 in 13.9 sq mi	Rockingham CSO	7/9	233 298 350	503 409 470	Sandown Fire	Trinity EMS
Sandwich	1,318 in 90.2 sq mi	Lakes Region Dispatch	9/10	116 138 152	240 235 256	Sandwich Fire	Stewart's Ambulance
Shelburne	363 over 47.9 sq mi	Gorham PD	9/10	No EMS Svc	15 21 11	Gorham EMS	Gorham EMS
South Hampton	816 over 7.9 sq mi	Rockingham CSO	8/9	# 70 33	# 105 109	South Hampton Fire-Rescue	South Hampton Fire-Rescue
Springfield	1,304 in 43.2 sq mi	Upper Valley Reg Dispatch	6/9	79 64 72	163 140 156	Springfield Fire	N. London Hospital
Stark	532 over 58.7 sq mi	State Highway	9/10	No EMS Svc	28 26 22	Groveton Ambulance	Groveton Ambulance
Stoddard	1,253 in 50.9 sq mi	Southwest NH Dispatch	9/10	70 59 74	117 136 144	Stoddard Fire	DiLuzio Ambulance
Strafford	4,023 in 49.2 sq mi	Lakes Region Dispatch	9/10	244 264 264	433 436 468	Strafford Fire	Strafford Fire
Stratford	716 over 79.5 sq mi	State Highway	9/10	No EMS Svc	36 33 39	Groveton Ambulance	Groveton Ambulance
Stratham	7,338 in 15.1 sq mi	Rockingham CSO	8/9	484 542 403	726 762 657	Stratham Fire	Stratham Fire
Sugar Hill	570 over 17.0 sq mi	Grafton CSO	9/10	No EMS Svc	53 55 72	Littleton Fire-Rescue	Littleton Fire-Rescue
Sullivan	673 over 18.5 sq mi	Southwest NH Dispatch	9/10	32 38 43	54 64 61	Sullivan Fire-Rescue	Keene Fire
Sunapee	3,349 in 21.1 sq mi	New London PD	5/9	283 318 299	526 567 601	Sunapee Fire	N London Hospital
Surry	737 over 15.6 sq mi	Southwest NH Dispatch	9/10	62 51 44	94 79 82	Surry Fire	Keene Fire
Sutton	1,848 in 42.3 sq mi	New London PD		67 74 47	160 150 124	N London Hospital	N London Hospital
Swanzey	7,242 in 45.0 sq mi	Southwest NH Dispatch	6/9	812 721 767	1097 974 1010	Swanzey Fire	DiLuzio Ambulance
Tamworth	2,847 in 59.7 sq mi	Carroll CSO	9/10	404 386 395	643 566 605	Tamworth Fire-Rescue	Action Ambulance
Temple	1,403 in 22.2 sq mi	Southwest NH Dispatch	9/10	51 58 59	44 43 53	Temple Rescue	Peterboro Fire

Fire Departments and Emergency Medical Services in New Hampshire

Department	Pop/ Cover Area	Dispatch	ISO Rating	EMS Calls (18-20)	Total FD Call (18-20)	EMS Services	Transport Agency
Troy	2,126 in 17.4 sq mi	Southwest NH Dispatch	6/9	168 152 183	362 429 529	Troy Fire	Troy Fire
Unity	1,640 in 36.9 sq mi	Southwest NH Dispatch		64 89 99	153 165 163	Unity Fire	Golden Cross Ambulance
Walpole – Walpole Fire District	3,710 in 35.2 sq mi	Southwest NH Dispatch	6/9	374 355 383	521 512 529	Walpole Fire	Walpole Fire
Walpole – N. Walpole Fire District		Southwest NH Dispatch	7/9	69 62 41	161 107 70	North Walpole Fire	Golden Cross Ambulance
Warner	2,865 in 55.6 sq mi	Capitol Area Dispatch	7/9	276 306 358	412 407 506	Warner Fire	Hopkinton Fire
Warren	896 over 48.5 sq mi	Lakes Region Dispatch	9/10	# 119 96	62 65 45	WW Ambulance	WW Ambulance
Washington	1,109 in 45.4 sq mi	Capitol Area Dispatch	9/10	113 89 116	161 157 181	Washingtn Rescue	Washingtn Rescue
Weare	8,892 in 58.8 sq mi	Goffstown PD	9/10	501 490 525	808 780 843	Weare Fire	Weare Fire
Webster	1,901 in 27.9 sq mi	Capitol Area Dispatch	9/10	133 135 132	184 182 211	Webster Fire	Hopkinton Fire
Wentworth	919 over 41.4 sq mi	Lakes Region Dispatch	9/10	# 108 83	81 80 72	WW Ambulance	WW Ambulance
Westmoreland	1,718 in 35.9 sq mi	Southwest NH Dispatch	9/10	86 82 84	163 157 178	Westmoreld Fire	Keene Fire
Whitefield	2,269 in 34.2 sq mi	State Highway	6/9	451 484 403	580 560 534	Whitefield Fire	Whitefield Fire
Wilmot	1,377 in 29.6 sq mi	New London PD	9/10	87 101 81	162 174 185	Wilmot FAST Squad	N London Hospital
Wilton	3,670 in 25.8 sq mi	Southwest NH Dispatch	4/9	542 698 547	124 149 731	Wilton Ambulance	Wilton Ambulance
Winchester	4,279 in 54.9 sq mi	Southwest NH Dispatch	6/9	340 659 736	193 229 198	Winchester Ambulance	Winchester Ambulance
Woodstock	1,385 in 58.7 sq mi	Grafton CSO	5/9	747 823 768	124 140 148	Linwood Ambulance	Linwood Ambulance

Fire Departments and Emergency Medical Services in New Hampshire

Towns with No Fire Department

Town	Pop (09-11)	Dispatch	ISO Rating	Fire Coverage Provider	Transport Agency
Albany	724 over 74.6 sq mi	Conway PD	9/10	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	6/9	Wakefield FD	Wakefield FD
Chatham	337 over 56.7 sq mi	Saco Valley Fire Assn	9/10	Saco Valley Fire	Fryeburg Rescue
Clarksville	263 over 60.1 sq mi	Colebrook Comm Ctr	9/10	Pittsburg FD & Beecher Falls	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	9/10	WW Amb (n) Canaan FD (s)	WW Amb (n) Canaan fast (s)
Dummer	301 over 48.2 sq mi	Berlin PD	9/10	Milan FD	Milan & Dummer Amb
Eaton	391 over 24.3 sq mi	Conway PD	9/10	Freedom FD & Center Conway	Freedom FD & Center Conway FD
Ellsworth	83 over 21.4 sq mi	Lakes Region Dispatch	8B/10	Campton- Thornton FD	Campton- Thornton FD
Groton	592 over 40.8 sq mi	Lakes Region Dispatch	9/10	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	9/10	Lisbon FD	Lisbon Life Squad
Orange	330 over 23.2 sq mi	Upper Valley RDC	9/10	Canaan FD	Canaan FAST
Roxbury	228 over 11.9 sq mi	Southwest NH Dispatch	4/9	Keene FD	Keene FD
Sharon	354 over 15.6 sq mi	Southwest NH Dispatch	9/10	Peterboro FD	Peterboro FD
Stewartstown	993 over 46.2 sq mi	Beecher Falls	9/10	Colebrook FD & Beecher Falls FD	45 th Parallel EMS
Windsor	225 over 8.3 sq mi	Capitol Area Dispatch	10	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	2013	2014	2015	2016	2017	2018	2019	5yr Avg
Connecticut								
Muni EMS calls	205,487	185,890	203,422	222,609	225,621	245,978	236,152	219,945
Fire calls	13,069	11,956	11,740	11,884	11,584	11,710	10,925	11,633
Non-fire calls	113,139	106,845	107,797	113,860	121,262	141,532	128,868	120,027
Total Muni Calls	331,695	304,691	322,959	348,353	358,467	399,220	375,945	351,606
% Muni EMS calls	62.0%	61.0%	63.0%	63.9%	62.9%	61.6%	62.8%	62.6%
% Muni Fire Calls	3.9%	3.9%	3.6%	3.4%	3.2%	2.9%	2.9%	3.3%
Maine								
Muni EMS calls	66,293	76,138	81,947	81,864	70,410	91,065	97,911	83,223
Fire calls	5,261	5,556	5,749	6,422	5,623	6,459	6,107	5,986
Non-fire calls	30,535	35,451	34,262	35,998	35,987	40,148	42,382	37,371
Total Muni Calls	102,089	117,145	121,958	124,284	112,020	137,672	146,400	126,580
% Muni EMS calls	64.9%	65.0%	67.2%	65.9%	62.9%	66.1%	66.9%	65.7%
% Muni Fire Calls	5.2%	4.7%	4.7%	5.2%	5.0%	4.7%	4.2%	4.7%
New Hampshire								
Muni EMS calls	87,534	99,124	98,746	111,147	114,796	111,089	112,655	107,926
Fire Calls	6,071	5,844	6,793	7,375	4,121	5,267	4,568	5,661
Non-fire calls	52,407	58,378	55,260	58,261	59,607	59,678	55,953	57,856
Total Muni Calls	146,012	163,346	160,799	176,783	178,524	176,034	173,176	171,444
% Muni EMS calls	59.9%	60.7%	61.4%	62.9%	64.3%	63.1%	65.1%	63.0%
% Muni Fire Calls	4.2%	3.6%	4.2%	4.2%	2.3%	3.0%	2.6%	3.3%
Vermont								
Muni EMS calls	22,225	22,513	23,535	23,208	21,295	25,012	22,439	23,000
Fire Calls	4,076	5,431	3,575	3,269	2,458	2,660	2,274	3,278
Non-fire calls	20,119	16,332	16,332	16,332	17,011	18,199	16,947	16,859
Total Muni Calls	46,420	45,569	45,763	44,085	40,764	45,871	41,660	43,952
% Muni EMS calls	47.9%	49.4%	51.4%	52.6%	52.2%	54.5%	53.9%	52.3%
% Muni Fire Calls	8.8%	11.9%	7.8%	7.4%	6.0%	5.8%	5.5%	7.5%
Massachusetts								
Muni EMS calls	443,486	472,447	510,956	525,726	561,350	563,406	584,304	536,365
Fire calls	29,921	29,273	31,709	32,245	27,895	27,731	25,176	29,005
Non-fire calls	298,593	306,327	327,521	332,924	348,065	353,141	362,793	338,462
Total Muni Calls	772,000	808,047	870,186	890,895	937,310	965,176	972,273	907,315
% Muni EMS calls	57.4%	58.5%	58.7%	59.0%	59.9%	58.4%	60.1%	59.1%
% Muni Fire Calls	3.9%	3.6%	3.6%	3.6%	3.0%	2.9%	2.6%	3.2%
Rhode Island								
Muni EMS calls	133,709	134,126	143,614	179,215	120,883	130,252	126,458	139,091
Total Muni Calls	159,510	159,159	171,039	205,234	148,725	154,507	141,127	163,299
% Muni EMS calls	83.8%	84.3%	84.0%	87.3%	81.3%	84.3%	89.6%	85.2%
% Muni Fire Calls	16.2%	15.7%	16.0%	12.7%	18.7%	15.7%	10.4%	14.8%

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).

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	D	C	A	D
A	D	B	A	B	A	C	B	C	B	C	B	D	C	D	C
A	D	A	D	B	A	B	A	C	B	C	B	C	B	D	C
D	C	A	D	A	D	B	A	B	A	C	B	A	C	B	C
D	C	D	C	A	D	A	D	B	A	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

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	2016 Gross Valuation (Taxable Properties)	2016 Gross Valuation (All properties)	2016 Net Fire/Amb Budget	2016 Town Tax Effort (Net Approp)	2016 Town Tax Rate	CPT Protected Value (Taxable Properties)	CPT Protected Value (All Properties)
Barnstead	441,554,968	465,657,868	813,162	2,593,965	\$5.88	\$1.84	\$1.75
Bedford	3,266,304,042	3,409,089,643	2,931,819	16,252,203	\$4.97	\$0.90	\$0.86
Belmont	595,718,746	642,760,852	1,359,417	5,684,166	\$9.55	\$2.28	\$2.11
Berlin	395,480,779	883,518,679	2,249,966	7,020,048	\$17.74	\$5.69	\$2.55
Bow	1,166,052,306	1,228,205,630	1,045,419	7,306,749	\$6.27	\$0.90	\$0.85
Bristol	468,238,103	513,943,703	638,069	3,846,305	\$8.22	\$1.36	\$1.24
Claremont	694,138,674	797,837,744	2,398,985	10,321,135	\$14.86	\$3.46	\$3.01
Concord	3,930,770,801	5,459,452,951	11,739,452	38,049,518	\$9.68	\$2.99	\$2.15
Derry	2,772,484,347	2,994,326,194	9,945,864	23,022,044	\$8.30	\$3.59	\$3.32
Dover	2,927,104,060	3,321,801,780	6,573,337	30,468,578	\$10.40	\$2.25	\$1.98
Durham	1,007,876,992	2,289,723,672	3,694,651	8,549,106	\$8.48	\$3.67	\$1.61
Exeter	1,696,035,282	1,835,560,451	2,942,848	12,030,457	\$7.09	\$1.74	\$1.60
Franklin	537,482,395	605,165,395	1,815,675	7,167,098	\$13.33	\$3.38	\$3.00
Gilford	1,659,559,422	1,768,310,510	1,498,049	8,858,929	\$5.34	\$0.90	\$0.85
Goffstown	1,446,200,800	1,594,620,300	2,125,948	13,418,167	\$9.28	\$1.47	\$1.33
Hampton	3,301,877,500	3,521,140,200	3,504,529	21,160,085	\$6.41	\$1.06	\$1.00
Hanover	2,003,222,200	3,171,591,400	3,081,313	9,392,777	\$4.69	\$1.54	\$0.97
Hooksett	1,597,977,330	1,728,098,245	3,334,893	10,707,348	\$6.70	\$2.09	\$1.93
Hudson	2,641,720,555	2,811,029,055	5,367,262	16,607,502	\$6.29	\$2.03	\$1.91
Keene	1,788,633,815	2,379,561,335	5,581,804	25,080,817	\$14.02	\$3.12	\$2.35
Laconia	1,914,835,500	2,241,755,080	4,349,878	16,752,712	\$8.75	\$2.27	\$1.94
Lebanon	1,871,296,258	2,860,054,330	3,487,070	19,455,533	\$10.39	\$1.86	\$1.22
Littleton	721,634,410	814,774,090	1,152,754	6,185,037	\$8.57	\$1.60	\$1.41
Londonderry	3,763,364,163	4,219,015,363	6,806,650	17,955,492	\$4.77	\$1.81	\$1.61
Manchester	8,946,360,522	10,398,865,369	19,604,585	98,093,314	\$10.96	\$2.19	\$1.89
Merrimack	3,303,284,437	3,485,343,435	4,573,307	16,203,479	\$4.91	\$1.38	\$1.31
Nashua	8,110,637,286	9,030,696,234	22,412,116	79,138,273	\$9.75	\$2.76	\$2.48
Newington	1,013,624,828	1,142,574,538	1,443,670	5,239,967	\$5.17	\$1.42	\$1.26
North Hampton	1,019,162,350	1,044,679,950	1,557,414	5,802,137	\$5.69	\$1.53	\$1.49

Fire Departments and Emergency Medical Services in New Hampshire

Pelham	1,673,147,442	1,743,230,462	1,796,437	10,062,545	\$6.02	\$1.07	\$1.03
Plymouth	431,781,066	674,419,770	1,024,124	3,777,828	\$8.74	\$2.37	\$1.52
Portsmouth	4,771,704,551	5,423,199,773	7,347,390	38,774,474	\$8.13	\$1.54	\$1.35
Rochester	2,045,058,623	2,472,998,023	4,327,016	19,509,340	\$9.54	\$2.12	\$1.75
Rye	1,884,140,400	1,989,693,700	1,194,621	5,630,254	\$3.00	\$0.63	\$0.60
Salem	4,392,820,340	4,565,190,810	9,464,161	28,993,947	\$6.60	\$2.15	\$2.07
Seabrook	2,699,282,950	2,803,042,650	3,364,433	16,351,179	\$6.06	\$1.25	\$1.20
Somersworth	839,494,228	924,511,128	2,176,866	8,162,348	\$9.72	\$2.59	\$2.35
Tilton-Northfield	505,602,380	558,605,680	1,590,118	5,453,691	\$6.97	\$3.14	\$2.85
Windham	2,279,643,640	2,403,889,010	2,850,583	7,042,235	\$3.08	\$1.25	\$1.19
Wolfboro	1,966,408,256	2,148,694,256	1,860,563	11,044,814	\$5.62	\$0.95	\$0.87
TOTAL	88,491,716,747	102,366,629,258	175,026,218	697,165,596	\$8.13	\$1.98	\$1.71
AVERAGE	2,212,292,919	2,559,165,731	4,375,655	17,429,140	\$8.00	\$2.05	\$1.69

Fire Departments and Emergency Medical Services in New Hampshire

Immediate Coverage by Day/Call by Night

Location	2016 Gross Valuation (Taxable Properties)	2016 Gross Valuation (All properties)	2016 Net Fire/Amb Budget	2016 Town Tax Effort (Net Approp)	2016 Town Tax Rate	CPT Protected Value (Taxable Properties)	CPT Protected Value (All Properties)
Allenstown	249,523,983	278,190,616	490,694	2,836,204	\$11.36	\$1.97	\$1.76
Amherst	1,693,564,637	1,788,460,437	887,290	8,638,827	\$5.10	\$0.52	\$0.50
Auburn	654,335,959	673,470,659	505,959	2,899,972	\$4.43	\$0.77	\$0.75
Brentwood	564,104,663	641,478,008	251,162	2,179,944	\$3.87	\$0.45	\$0.39
Brookline	514,181,249	541,181,949	551,966	2,651,331	\$5.16	\$1.07	\$1.02
Campton-Thornton	378,790,813	393,620,813	587,451	695,209	\$6.00	\$1.55	\$1.49
Carroll	322,183,520	348,169,158	206,782	1,418,912	\$4.41	\$0.64	\$0.59
Chester	539,771,700	560,774,000	383,534	3,510,585	\$6.50	\$0.71	\$0.68
Conway	1,429,524,843	1,592,812,243	482,118	8,178,142	\$5.72	\$0.34	\$0.30
Epping	700,786,974	741,070,574	594,815	3,477,919	\$4.96	\$0.85	\$0.80
Epsom	424,231,800	440,321,460	391,678	1,980,593	\$4.67	\$0.92	\$0.89
Farmington	444,256,146	478,296,146	436,818	2,871,288	\$6.47	\$0.98	\$0.91
Gilmanton	452,120,495	478,055,495	528,991	1,909,533	\$4.23	\$1.17	\$1.11
Gorham	272,490,200	300,236,000	280,477	3,352,075	\$12.31	\$1.03	\$0.93
Hampstead	1,022,193,546	1,056,572,285	958,059	3,420,375	\$3.35	\$0.94	\$0.91
Henniker	393,513,800	442,554,450	605,923	3,519,191	\$8.95	\$1.54	\$1.37
Hillsborough	510,681,003	567,501,126	338,264	5,152,908	\$10.09	\$0.66	\$0.60
Hollis	1,203,745,340	1,249,644,525	1,369,684	7,268,462	\$6.04	\$1.14	\$1.10
Hopkinton	613,929,921	670,160,521	498,160	4,355,400	\$7.09	\$0.81	\$0.74
Kingston	658,210,325	723,093,825	356,132	3,286,748	\$4.99	\$0.54	\$0.49
Lancaster	270,090,939	315,633,739	-337,888	2,445,461	\$9.06	(\$1.25)	(\$1.07)
Lee	437,828,271	458,296,810	374,588	2,385,675	\$5.44	\$0.86	\$0.82
Litchfield	881,950,684	928,750,384	886,669	3,570,207	\$4.04	\$1.01	\$0.95
Loudon	546,048,188	564,560,188	447,824	1,701,729	\$3.12	\$0.82	\$0.79
Milford	1,329,268,961	1,439,226,170	669,006	9,453,170	\$7.12	\$0.50	\$0.46
Milton	357,013,651	376,907,951	191,986	2,852,041	\$7.99	\$0.54	\$0.51
Moultonborough	2,842,984,397	2,924,382,638	975,289	7,890,252	\$2.77	\$0.34	\$0.33
New Hampton	315,781,465	353,128,059	317,286	2,098,563	\$6.65	\$1.00	\$0.90
New London	1,124,902,770	1,213,807,670	363,240	4,891,054	\$4.35	\$0.32	\$0.30
Newport	429,384,776	480,852,193	1,053,151	4,833,246	\$11.26	\$2.45	\$2.19
Northwood	461,751,883	503,365,489	614,881	2,116,303	\$4.59	\$1.33	\$1.22
Nottingham	605,934,041	644,055,841	168,074	2,651,924	\$4.38	\$0.28	\$0.26
Peterborough	621,738,895	743,681,175	210,292	6,427,104	\$10.34	\$0.34	\$0.28
Pittsfield	263,540,025	290,438,125	671,767	2,887,001	\$10.95	\$2.55	\$2.31
Plaistow	981,044,737	1,046,796,180	591,151	5,331,288	\$5.43	\$0.60	\$0.56
Raymond	923,356,261	971,343,451	516,325	5,800,640	\$6.28	\$0.56	\$0.53
Rindge	521,007,724	580,703,320	510,944	2,340,337	\$4.49	\$0.98	\$0.88

Fire Departments and Emergency Medical Services in New Hampshire

Sanbornton	393,052,930	407,039,030	301,384	3,466,788	\$8.82	\$0.77	\$0.74
Tuftonboro	973,427,722	1,013,599,122	595,376	2,831,474	\$2.91	\$0.61	\$0.59
Wakefield	908,437,623	941,399,523	244,219	3,078,271	\$3.39	\$0.27	\$0.26
Waterville Valley	335,895,878	377,502,178	201,649	2,819,464	\$8.40	\$0.60	\$0.53
TOTAL	28,566,582,738	30,541,133,526	20,273,170	155,475,610	\$5.44	\$0.71	\$0.66
AVERAGE	696,745,920	744,905,696	494,468	3,792,088	\$6.28	\$0.80	\$0.75

Fire Departments and Emergency Medical Services in New Hampshire

Call Departments

Location	2016 Gross Valuation (Taxable Properties)	2016 Gross Valuation (All properties)	2016 Net Fire/Amb Budget	2016 Town Tax Effort (Net Approp)	2016 Town Tax Rate	CPT Protected Value (Taxable Properties)	CPT Protected Value (All Properties)
Acworth	97,197,718	102,557,318	49,177	956,922	\$9.84	\$0.51	\$0.48
Albany	111,634,553	163,471,353	105,001	176,163	\$1.58	\$0.94	\$0.64
Alexandria	199,478,140	204,503,040	84,700	1,088,525	\$5.45	\$0.42	\$0.41
Alstead	161,654,433	168,452,633	94,778	889,673	\$5.50	\$0.59	\$0.56
Alton	1,575,850,936	1,663,447,841	434,882	6,157,557	\$3.90	\$0.28	\$0.26
Andover	252,973,666	296,754,666	159,045	1,167,133	\$4.61	\$0.63	\$0.54
Antrim	226,457,195	241,589,391	11,179	2,833,963	\$12.52	\$0.05	\$0.05
Ashland	236,939,875	271,462,743	281,755	2,035,194	\$8.59	\$1.19	\$1.04
Atkinson	940,591,454	970,811,254	303,554	2,316,018	\$2.47	\$0.32	\$0.31
Barrington	912,980,589	966,101,989	296,827	4,191,553	\$4.59	\$0.33	\$0.31
Bartlett	935,413,484	952,025,084	166,100	1,034,274	\$1.10	\$0.18	\$0.17
Bath	121,052,765	125,261,765	83,805	658,273	\$5.44	\$0.69	\$0.67
Bennington	103,421,397	111,570,497	103,930	1,261,403	\$12.20	\$1.00	\$0.93
Benton	25,065,079	64,603,379	13,000	-106,716	(\$4.26)	\$0.52	\$0.20
Bethlehem	229,150,405	285,223,105	107,724	1,256,795	\$5.48	\$0.47	\$0.38
Boscawen	235,838,863	312,436,363	231,745	2,080,929	\$8.82	\$0.98	\$0.74
Bradford	197,623,935	206,566,735	201,850	1,684,988	\$8.52	\$1.02	\$0.98
Bridgewater	343,959,700	354,131,000	179,020	909,156	\$2.65	\$0.52	\$0.51
Brookfield	94,822,335	97,906,479	4,700	613,736	\$6.47	\$0.05	\$0.05
Brookline	514,181,249	541,181,949	551,966	2,651,331	\$5.16	\$1.07	\$1.02
Canaan	337,820,177	388,166,831	168,181	2,240,432	\$6.64	\$0.50	\$0.43
Candia	389,834,643	403,285,217	139,051	1,666,454	\$4.28	\$0.36	\$0.34
Canterbury	258,505,125	275,260,125	772,775	1,481,111	\$5.73	\$2.99	\$2.81
Center Harbor	386,571,034	403,011,064	233,649	2,205,380	\$5.70	\$0.60	\$0.58
Charlestown	280,740,584	309,121,016	154,711	2,464,353	\$8.78	\$0.55	\$0.50
Chatham	48,265,140	77,839,640	16,786	-5,053	(\$0.10)	\$0.35	\$0.22
Chesterfield	493,407,519	520,389,119	708,090	1,859,356	\$3.77	\$1.44	\$1.36
Chichester	260,146,069	268,882,069	167,472	1,452,085	\$5.58	\$0.64	\$0.62
Clarksville	40,951,926	44,063,326	31,500	44,613	\$1.09	\$0.77	\$0.71
Colebrook	178,721,355	202,280,708	134,321	1,724,617	\$9.65	\$0.75	\$0.66
Columbia	85,556,280	90,201,780	50,252	244,734	\$2.86	\$0.59	\$0.56
Cornish	175,551,958	185,483,658	62,652	681,693	\$3.89	\$0.36	\$0.34
Croydon	88,554,821	98,128,621	29,446	284,171	\$3.21	\$0.33	\$0.30
Dalton	76,113,263	80,029,863	60,500	362,059	\$4.75	\$0.79	\$0.76
Danbury	106,738,937	109,976,026	97,113	644,046	\$6.04	\$0.91	\$0.88
Danville	388,826,151	404,584,951	294,645	1,728,884	\$4.45	\$0.76	\$0.73

Fire Departments and Emergency Medical Services in New Hampshire

Deerfield	560,578,668	584,710,568	326,740	2,079,904	\$3.71	\$0.58	\$0.56
Deering	176,696,552	188,068,920	90,418	1,561,211	\$8.84	\$0.51	\$0.48
Dorchester	38,787,028	39,872,128	22,775	334,419	\$8.62	\$0.59	\$0.57
Dublin	230,227,467	265,013,422	203,552	1,683,238	\$7.31	\$0.88	\$0.77
Dummer	74,969,010	77,492,510	39,344	434,603	\$5.80	\$0.52	\$0.51
Dunbarton	302,642,712	315,257,946	65,443	1,420,872	\$4.69	\$0.22	\$0.21
East Kingston	311,055,222	319,444,622	398,100	1,957,525	\$6.29	\$1.28	\$1.25
Easton	63,067,871	84,060,671	277,250	174,903	\$2.77	\$4.40	\$3.30
Eaton	109,837,993	113,347,293	34,000	402,400	\$3.66	\$0.31	\$0.30
Effingham	170,205,154	178,900,364	137,445	1,360,015	\$7.99	\$0.81	\$0.77
Ellsworth	13,449,932	22,119,332	36,881	44,447	\$3.30	\$2.74	\$1.67
Enfield	529,481,096	558,970,553	224,419	3,710,587	\$7.00	\$0.42	\$0.40
Errol	86,883,356	97,094,077	37,850	186,353	\$2.15	\$0.44	\$0.39
Fitzwilliam	251,847,832	261,620,032	39,119	1,534,977	\$6.10	\$0.16	\$0.15
Francestown	191,641,340	205,205,488	100,299	1,642,155	\$8.57	\$0.52	\$0.49
Franconia	284,021,710	338,096,928	74,659	1,702,619	\$6.00	\$0.26	\$0.22
Freedom	482,984,456	505,592,056	219,924	2,097,179	\$4.35	\$0.46	\$0.43
Fremont	399,735,833	408,655,672	189,019	1,556,423	\$3.89	\$0.47	\$0.46
Gilsum	60,762,121	64,019,854	26,000	553,589	\$9.11	\$0.43	\$0.41
Goshen	71,998,938	73,862,606	86,911	658,266	\$9.15	\$1.21	\$1.18
Grafton	115,669,535	120,492,435	36,403	554,760	\$4.79	\$0.31	\$0.30
Grantham	465,657,232	484,393,832	207,656	2,202,816	\$4.73	\$0.45	\$0.43
Greenfield	138,178,706	160,234,706	187,084	1,242,555	\$8.99	\$1.35	\$1.17
Greenland	703,370,116	741,213,316	226,931	2,405,712	\$3.42	\$0.32	\$0.31
Greenville	97,163,338	107,723,738	168,847	815,439	\$8.40	\$1.74	\$1.57
Groton	78,884,602	81,624,302	72,919	31,871	\$0.40	\$0.92	\$0.89
Hampton Falls	416,653,775	434,559,275	203,058	1,607,834	\$3.85	\$0.49	\$0.47
Hancock	247,314,753	260,658,253	137,618	1,464,177	\$5.91	\$0.56	\$0.53
Harrisville	189,568,379	195,327,833	103,799	870,899	\$4.59	\$0.55	\$0.53
Haverhill	344,817,693	392,938,654	588,823	2,541,144	\$7.38	\$1.71	\$1.50
Hebron	258,297,700	267,580,227	58,598	994,738	\$3.85	\$0.23	\$0.22
Hill	89,831,251	100,179,521	78,802	488,419	\$5.45	\$0.88	\$0.79
Hinsdale	353,422,229	376,287,535	306,454	2,479,888	\$7.02	\$0.87	\$0.81
Holderness	688,031,297	744,648,047	216,635	1,829,013	\$2.66	\$0.31	\$0.29
Jackson	396,181,982	444,484,982	223,374	1,713,158	\$4.33	\$0.56	\$0.50
Jaffrey	406,056,689	456,402,389	360,948	4,541,113	\$11.19	\$0.89	\$0.79
Jefferson	122,133,508	136,679,608	51,000	265,605	\$2.17	\$0.42	\$0.37
Kensington	302,436,616	311,098,816	146,713	1,296,431	\$4.28	\$0.49	\$0.47
Landaff	50,764,824	55,093,201	30,796	269,194	\$5.31	\$0.61	\$0.56
Langdon	56,578,881	65,769,961	39,924	294,909	\$5.22	\$0.71	\$0.61
Lempster	148,199,062	154,220,916	77,291	1,062,720	\$7.17	\$0.52	\$0.50
Lincoln	834,699,864	902,368,364	113,825	4,961,820	\$5.94	\$0.14	\$0.13
Lisbon	106,869,030	122,986,913	53,050	999,459	\$9.36	\$0.50	\$0.43

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Lyman	58,832,060	60,217,860	29,312	358,111	\$6.09	\$0.50	\$0.49
Lyme	343,607,200	373,860,700	100,759	2,300,052	\$6.69	\$0.29	\$0.27
Lyndeborough	165,702,320	170,536,760	166,854	1,425,797	\$8.60	\$1.01	\$0.98
Madbury	232,572,200	245,178,600	70,175	945,160	\$4.07	\$0.30	\$0.29
Madison	470,517,133	490,325,047	232,397	1,771,045	\$3.76	\$0.49	\$0.47
Marlborough	173,470,875	184,655,477	95,086	983,648	\$5.67	\$0.55	\$0.51
Marlow	64,430,921	67,591,731	24,583	427,521	\$6.63	\$0.38	\$0.36
Mason	153,204,980	162,545,880	116,378	1,169,041	\$7.63	\$0.76	\$0.72
Meredith	1,771,154,645	1,882,865,992	585,586	8,960,816	\$5.06	\$0.33	\$0.31
Middleton	164,737,148	172,833,648	83,191	1,707,252	\$10.36	\$0.50	\$0.48
Milan	125,889,573	132,952,373	52,000	363,674	\$2.89	\$0.41	\$0.39
Monroe	411,746,295	416,543,395	61,650	699,979	\$1.70	\$0.15	\$0.15
Mont Vernon	253,214,795	259,947,888	83,670	1,769,466	\$6.99	\$0.33	\$0.32
Nelson	121,803,321	130,221,098	106,077	835,867	\$6.87	\$0.87	\$0.81
New Boston	629,707,167	670,102,767	124,921	2,871,584	\$4.56	\$0.20	\$0.19
New Castle	723,255,705	777,723,305	366,934	1,641,464	\$2.27	\$0.51	\$0.47
New Durham	405,998,008	421,313,218	185,367	2,060,389	\$5.07	\$0.46	\$0.44
New Ipswich	383,205,236	414,359,236	213,554	2,225,980	\$5.80	\$0.56	\$0.52
Newbury	724,274,038	773,160,234	211,524	2,764,690	\$3.82	\$0.29	\$0.27
Newfields	245,767,396	263,255,596	76,200	940,627	\$3.83	\$0.31	\$0.29
Newmarket	731,700,728	780,661,524	177,511	4,568,670	\$6.24	\$0.24	\$0.23
Newton	504,674,098	527,437,798	212,855	1,843,313	\$3.65	\$0.42	\$0.40
Northumberland	110,782,107	122,554,937	-22,303	1,537,669	\$13.88	(\$0.20)	(\$0.18)
Orange	31,634,106	35,547,806	16,852	117,529	\$3.71	\$0.53	\$0.47
Orford	135,236,101	151,191,701	124,081	649,435	\$4.80	\$0.92	\$0.82
Ossipee	638,616,139	683,068,739	214,384	4,015,015	\$6.29	\$0.34	\$0.31
Pembroke	602,027,624	653,984,590	621,563	4,273,771	\$7.10	\$1.03	\$0.95
Piermont	96,199,808	107,670,408	81,778	640,248	\$6.66	\$0.85	\$0.76
Pittsburg	252,163,831	272,704,831	145,070	716,001	\$2.84	\$0.58	\$0.53
Plainfield	266,655,028	316,623,528	134,000	1,477,885	\$5.55	\$0.50	\$0.42
Randolph	70,770,787	84,796,087	36,250	407,655	\$5.77	\$0.51	\$0.43
Richmond	94,567,975	101,655,675	69,450	711,668	\$7.52	\$0.73	\$0.68
Rindge	521,007,724	580,703,320	510,944	2,340,337	\$4.49	\$0.98	\$0.88
Rollinsford	227,691,771	243,462,171	135,381	850,382	\$3.73	\$0.59	\$0.56
Roxbury	23,090,286	23,723,086	8,711	109,174	\$4.73	\$0.38	\$0.37
Rumney	177,168,606	187,074,006	122,731	1,043,189	\$5.89	\$0.69	\$0.66
Salisbury	127,710,412	135,084,712	58,150	553,260	\$4.33	\$0.46	\$0.43
Sanbornton	393,052,930	407,039,030	301,384	3,466,788	\$8.82	\$0.77	\$0.74
Sandown	519,561,180	533,242,030	191,790	2,662,801	\$5.13	\$0.37	\$0.36
Sandwich	399,116,637	421,493,837	251,202	2,080,585	\$5.21	\$0.63	\$0.60
Sharon	50,503,398	53,178,598	61,147	278,036	\$5.51	\$1.21	\$1.15
Shelburne	79,168,650	88,934,750	64,418	330,183	\$4.17	\$0.81	\$0.72
South Hampton	133,217,144	143,579,006	103,450	619,428	\$4.65	\$0.78	\$0.72

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Springfield	202,722,624	216,008,840	85,151	799,839	\$3.95	\$0.42	\$0.39
Stark	70,662,534	83,275,034	31,850	273,099	\$3.87	\$0.45	\$0.38
Stewartstown	90,852,586	100,883,686	93,248	242,402	\$2.66	\$1.03	\$0.92
Stoddard	256,198,740	260,273,390	111,395	656,657	\$2.56	\$0.43	\$0.43
Strafford	472,279,300	492,131,800	277,793	1,272,787	\$2.70	\$0.59	\$0.56
Stratford	75,479,753	86,958,953	37,025	476,488	\$6.31	\$0.49	\$0.43
Stratham	1,252,202,907	1,311,635,032	195,358	4,957,765	\$3.96	\$0.16	\$0.15
Sugar Hill	145,616,599	148,500,399	92,245	1,230,599	\$8.45	\$0.63	\$0.62
Sullivan	52,313,958	53,866,658	57,838	471,195	\$9.01	\$1.11	\$1.07
Sunapee	1,205,571,984	1,257,695,418	255,646	3,881,173	\$3.22	\$0.21	\$0.20
Surry	78,392,327	84,257,327	48,976	278,471	\$3.55	\$0.62	\$0.58
Sutton	254,414,122	290,818,049	129,661	1,821,641	\$7.16	\$0.51	\$0.45
Swanzey	543,725,855	615,076,288	526,125	3,290,812	\$6.06	\$0.97	\$0.86
Tamworth	340,593,702	372,306,833	399,937	1,990,862	\$5.85	\$1.17	\$1.07
Temple	140,070,067	153,789,007	75,871	813,682	\$5.81	\$0.54	\$0.49
Troy	107,908,455	125,303,346	90,092	1,121,552	\$10.40	\$0.83	\$0.72
Unity	125,926,365	142,579,906	57,794	1,001,432	\$7.96	\$0.46	\$0.41
Walpole	423,347,008	447,618,908	444,091	2,490,463	\$5.88	\$1.05	\$0.99
Warner	282,748,035	308,703,235	245,543	2,509,642	\$8.87	\$0.87	\$0.80
Warren	83,689,662	102,949,262	38,096	486,881	\$5.82	\$0.46	\$0.37
Washington	228,576,795	239,540,390	146,197	1,591,088	\$6.96	\$0.64	\$0.61
Weare	851,543,648	904,234,148	282,933	3,212,104	\$3.78	\$0.33	\$0.31
Webster	208,835,885	218,651,785	111,804	1,226,529	\$5.87	\$0.54	\$0.51
Wentworth	93,525,525	100,628,425	66,370	635,172	\$6.79	\$0.71	\$0.66
Westmoreland	163,433,982	181,060,782	84,888	632,104	\$3.86	\$0.52	\$0.47
Whitefield	200,298,666	243,881,335	114,124	1,614,472	\$8.06	\$0.57	\$0.47
Wilmot	177,112,784	186,441,784	93,884	1,264,014	\$7.14	\$0.53	\$0.50
Wilton	368,049,816	397,790,770	243,588	2,349,970	\$6.39	\$0.66	\$0.61
Winchester	273,796,232	300,542,056	106,745	2,195,793	\$8.02	\$0.39	\$0.36
Windsor	27,571,407	31,971,807	21,232	89,982	\$3.26	\$0.77	\$0.66
Woodstock	223,866,612	239,749,212	104,000	1,988,110	\$8.88	\$0.46	\$0.43
TOTAL	44,964,984,127	48,203,861,304	24,183,095	231,347,129	\$5.49	\$0.54	\$0.50
AVERAGE	293,888,785	315,057,917	158,059	1,512,073	\$5.59	\$0.63	\$0.58

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.

Fire Departments and Emergency Medical Services in New Hampshire

		MA: Amesbury, Merrimac, Newburyport, Salisbury, West Newbury ME: Eliot, Kittery
Southwest New Hampshire Mutual Aid Association	1958	NH: Acworth, Alstead, Amherst, Antrim, Bennington, Charlestown, Chesterfield, Claremont, Dublin, Fitzwilliam, Francestown, Gilsun, 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

Fire Departments and Emergency Medical Services in New Hampshire

Appendix F – Local Dispatch Centers for Fire and EMS Agencies

Municipality	Dispatch Center
Amherst	Amherst PS Comm Center
Berlin, Dummer, Milan, Milan-Dummer Ambulance, Berlin Ambulance	Berlin PD
Allenstown, Boscawen, Bow, Bradford, Canterbury, Chichester, Concord, Deering, Dunbarton, Epsom, Henniker, Hillsborough, Hooksett, Hopkinton, Loudon, Northwood, Pembroke, Pittsfield, Salisbury, Warner, Washington, Webster, Windsor, Penacook Rescue, Tri-Town Ambulance	Capital Area Mutual Fire Aid Compact
Bartlett (fire), Brookfield (served by Wakefield), Center Ossipee, Effingham, Freedom, Glen (fire), Jackson (fire), Madison, Ossipee Corner, Tamworth, Wakefield, Milton, West Ossipee, Lords Amb, LifeStar	Carroll CSO
Claremont, Goshen	Claremont PD
Clarksville (40%), Colebrook, Columbia (served by Colebrook), Dixville, Errol (EMS), Pittsburg (northern part), Stewartstown (35%)	Colebrook RDC
Albany (served by Conway Village FD), Eaton (served by Center Conway FD), Conway (all 5 fire districts), Hales Location (served by North Conway FD), North Conway Ambulance	Conway PD
Clarksville (60%), Stewartstown (65%), Pittsburg (southern part)	Beecher Falls, VT
Dover, Rollinsford	Dover PD
Auburn, Chester, Derry, Windham	Derry Fire Department
Goffstown, New Boston, Weare	Goffstown Comm Center
Gorham, Randolph, Shelburne	Gorham PD
Bath, Benton (served by Haverhill), Bethlehem, Carroll, Easton, Franconia, Haverhill, Landaff, Lincoln, Lisbon, Littleton, Lyman (served by Lisbon), Monroe, Piermont, Sugar Hill, Whitefield, Woodstock, Woodsville Ambulance, Franconia RS, Linwood Ambulance	Grafton CSO
Hampton, Hampton Falls	Hampton Fire Department
Greenville, Souhegan Ambulance	Hillsborough CSO
Brookline, Hollis, Mason, Brookline Ambulance	Hollis Communication Ctr
Hudson, Litchfield	Hudson Fire Department
Hampstead, Londonderry, Pelham	Londonderry Fire Dept
Alton, Alexandria, Andover, Ashland, Barnstead, Belmont, Bridgewater, Bristol, Campton, Center Harbor, Danbury, Dorchester (portion served by Rumney), Franklin, Ellsworth (served by Campton), Gilford, Gilmanton, Groton (served by Hebron and Rumney), Hebron, Hill, Holderness, Laconia, Meredith, Moultonborough, New Hampton, Northfield, Plymouth, Rumney, Sanbornton, Sandwich, Strafford, Thornton, Tilton, Warren, Waterville Valley, Wentworth, Andover RS, Stewarts Ambulance, Warren-Wentworth Amb	LRMFA Communications Center (www.lrmfa.org)
Milford, Milford Ambulance, Mont Vernon, Wilton, Wilton Ambulance	Milford Comm Center
Croydon, New London, Newbury, Sunapee, Sutton, Wilmot, New London Hospital Ambulance	New London PD
Newfields, Newmarket	Newmarket PD
Atkinson, Plaistow	Plaistow PD
Fremont, Raymond, Raymond Ambulance	Raymond PD
Errol (fire)	Red Phone Network
Brentwood, Candia, Danville, Deerfield, East Kingston, Epping, Greenland, Kensington, Kingston, New Castle, Newington, Newton, Nottingham, Rye, Sandown, South Hampton, Stratham	Rockingham CSO
Alstead, Acworth, Antrim, Bennington, Charlestown, Chesterfield, Dublin, Fitzwilliam, Francesstown, Gilsum, Greenfield, Hancock, Harrisville, Hinsdale, Jaffrey, Keene, Langdon, Lempster, Lyndeborough, Marlborough, Marlow, Nelson, New Ipswich, Peterborough, Richmond, Rindge, Roxbury, Sharon (served by Peterborough), Stoddard, Sullivan, Surry, Swanzey, Temple, Troy, Unity, Walpole, Westmoreland, Winchester, Alstead Ambulance, Antrim Amb,	Southwestern NH District Fire Mutual Aid System (www.firemutualaid.com)

Fire Departments and Emergency Medical Services in New Hampshire

Municipality	Dispatch Center
Charlestown Amb, DiLuzio Amb, Jaffrey VFW Amb, Winchester Ambulance	
Chatham	Saco Valley Fire Assoc.
Dalton, Jefferson, Lancaster, Northumberland, Stark, Stratford, Groveton Amb	State Highway Dispatch
Durham, Farmington, Middleton, New Durham	Strafford CSO
Manchester, Nashua, North Hampton, Salem, Seabrook	Town Fire Department.
Bedford, Exeter, Franklin, Lebanon, Merrimack, Newport, Portsmouth, Rochester, Somersworth, Wolfeboro	Town Police Department
Barrington, Lee, Madbury, MacGregor EMS	UNH Dispatch Center
Canaan, Cornish, Dorchester (serviced by Canaan and Rumney), Enfield, Grafton, Grantham, Hanover, Lyme, Orange (serviced by Canaan), Orford, Piermont, Plainfield, Springfield, Canaan FAST, Enfield FAST, Upper Valley Ambulance	Upper Valley Regional Dispatch Center

Fire Departments and Emergency Medical Services in New Hampshire

Appendix G – Emergency Ambulance Transport Providers

Ambulance Service Provided by	Municipalities Served
Municipal Ambulance Service Operated by Fire Department	
Amherst Fire Department	Amherst, Mont Vernon
Bristol Fire Department	Alexandria, Bristol, Danbury, Hill
Campton-Thornton Fire Department	Campton, Ellsworth, Thornton
Conway Village Fire Department	Albany, Conway
Derry Fire Department	Auburn, Chester, Derry
Gorham EMS	Gorham, Randolph, Shelburne UTG: Green's Grant, Martin's Location, and Pinkham's Grant.
Hanover Fire Department	Hanover, Lyme
Hebron Fire Department	Groton, Hebron
Hopkinton Fire Department	Hopkinton, Warner, Webster
Hillsborough Fire Department	Hillsborough, Windsor
Hudson Fire Department	Hudson, Litchfield
Keene Fire Department	Chesterfield (e), Keene, Nelson, Roxbury, Sullivan, Surry, Westmoreland
Lancaster EMS	Jefferson, Lancaster,
Lebanon Fire Department	Enfield (day), Lebanon, Plainfield
Lisbon Life Squad	Landaff, Lisbon, Lyman
Littleton Fire Department	Easton, Littleton, Sugar Hill
Loudon Fire Department	Chichester, Loudon
Marlow Ambulance	Lempster, Marlow
Newmarket Fire Department	Newmarket, Newfields
Newport Fire Department	Croydon, Goshen, Newport
Peterborough Fire Department	Dublin, Francestown, Hancock, Sharon, Temple, Peterborough
Plymouth Fire Department	Ashland, Holderness, Plymouth, Rumney
Portsmouth Fire Department	New Castle, Portsmouth
Twin Mountain Fire Department	Carroll UTG: Bean's Grant, Crawford's Purchase, Cutt's Grant, Hadley's Purchase, Low & Burbank Grant, Sargent's Purchase, Thompson & Meserve Purchase
Wakefield Fire Department	Brookfield, Wakefield
Whitefield Fire Department	Dalton, Whitefield
Windsor (VT) Fire Department	Cornish, Plainfield
Town Fire Department	Alton, Barnstead, Barrington, Bedford, Belmont, Bethlehem, Bow, Bradford, Brentwood, Bridgewater, Concord, Deering, Dover, Dunbarton, East Kingston, Effingham, Epping, Epsom, Exeter, Farmington, Fitzwilliam, Franklin, Gilford, Gilmanton, Goffstown, Greenland, Hampton, Henniker, Hollis, Hooksett, Kensington, Kingston, Laconia, Londonderry, Merrimack, Middleton, Milton, New Boston, New Durham, New Hampton, Newington, North Hampton, Northwood, Nottingham, Pelham, Pittsfield, Rye, Salem, Salisbury, Sanbornton, Seabrook, South Hampton, Strafford, Stratham, Tilton-Northfield, Troy, Walpole (s), Washington Rescue, Waterville Valley, Weare, Winchester, Windham
Municipal Ambulance Service Independent of Fire Department	
Alstead Ambulance	Alstead
Andover Rescue	Andover
Antrim Fire Department	Antrim, Bennington
Bartlett-Jackson Ambulance	Bartlett, Jackson
Brookline Ambulance	Brookline, Mason
Canaan FAST Squad	Canaan, Orange
Charlestown Ambulance	Charlestown
Enfield FAST, Inc	Enfield (night)
Franconia Rescue	Franconia

Fire Departments and Emergency Medical Services in New Hampshire

Ambulance Service Provided by	Municipalities Served
Grafton Volunteer Ambulance	Grafton
Groveton Ambulance	Northumberland, Stark, Stratford
Jaffrey VFW Memorial Amb	Jaffrey, Rindge
LinWood Ambulance Service	Lincoln, Woodstock
Milan and Dummer Ambulance	Dummer, Milan
Milford Ambulance Service	Milford
Penacook Rescue	Boscawen, Canterbury
Rumney EMS	Rumney
Warren-Wentworth Amb Service	Benton, Dorchester, Piermont, Warren, Wentworth
Wilton Ambulance	Greenfield, Lyndeborough, Wilton
Woodsville Ambulance	Bath, Haverhill, Monroe
Non-profit Ambulance Service	
45 th Parallel EMS	Clarksville, Colebrook, Columbia, Pittsburg, Stewartstown UTG: Dixville
Errol Rescue Squad	Errol UTG: Atkinson & Gilmanton Academy Grant, Cambridge, Dix's Grant, Dixville, Millsfield, Second College Grant, and Wentworth Location
Fryeburg Rescue (ME)	Chatham
McGregor Memorial Ambulance Corps	Durham, Lee, Madbury
Raymond Ambulance, Inc.	Deerfield, Fremont, Raymond
Rescue, Inc (VT)	Chesterfield (w), Hinsdale
Souhegan Valley Ambulance	Greenville, New Ipswich
Tri-Town Ambulance Service	Allenstown, Pembroke
Upper Valley Ambulance (VT)	Orford
Hospital-based Ambulance Service	
Frisbie Memorial Hospital EMS	Rochester
New London Hospital Ambulance	Grantham, New London, Newbury, Springfield, Sunapee, Sutton, Wilmot
Private Ambulance Service – Commercial	
AMR	Candia, Manchester, Nashua
Berlin Ambulance	Berlin
DiLuzio Ambulance Service	Gilsum, Harrisville, Marlborough, Richmond, Stoddard, Swanzey
Golden Cross Ambulance, Inc	Acworth, Claremont, Cornish, Langdon, Walpole (n), Unity
North Conway Ambulance	Eaton, Effingham, Freedom, Madison, North Conway, Ossipee, Tamworth
Stewarts Ambulance	Center Harbor, Meredith, Moultonborough, Sandwich, Somersworth, Tuftonboro, Wolfeboro
Trinity Ambulance	Atkinson, Danville, Hampstead, Newton, Plaistow, Sandown
York Ambulance (ME)	Rollinsford