

WAKE COUNTY FIRE COMMISSION

Subject: Agenda for March 18 , 2021
Location: WEBEX Virtual Meeting
Time: 7:00 PM

Agenda

◆ Meeting Called to Order: Chairman Keith McGee

- Invocation
- Pledge of allegiance
- Roll of Members Present

◆ Items of Business

- Adoption of Minutes for January 21, 2021 Meeting
- Approval of Agenda
- Long Range Plan Guidng Principals & Standards Update and Recomendation

◆ Public Comments:

- Comments emailed in from the public, as directed on the public advertisement on the County Meeting Calendar prior to noon on March 18, 2021. Any comments received will be emailed to the Fire Commission prior to the meeting. Depending on the number of comments received, the comments may be read by Director Alford at this time.

◆ Regular Agenda

◆ Information Agenda

- Fire Tax Financial Report – Michael Gammon
- Standing Committee Updates
 - Administrative
 - Apparatus
 - Budget
 - Communications
 - Equipment
 - Facility
 - Health & Wellness
 - Training
 - Volunteer Recruitment & Retention Committee
- Chair Report
- Fire Services Report

◆ Other Business

◆ Adjournment - Next Meeting – Special Called Meeting for Budget on April 15, 2021

Fire Services

**WAKE COUNTY
FIRE COMMISSION
Thursday, January 21, 2021**

Draft Minutes

(Audio Replays of the meeting are available upon request)

A virtual meeting of the Wake County Fire Commission was held on Thursday, January 21, 2021 at 7:00 PM.

CALL MEETING TO ORDER

Fire Commission Chairman Chief Keith McGee called the meeting to order.

The following members were present: Chairman Chief Keith McGee, Commissioner Matt Calabria, Chief Tony Mauldin (South Region), Chief Tim Pope (North Region), Chief Brian Staples (East Region), Chief Matt Poole (South Region), Todd Wright (Fire Chief's Association), Lucious Jones (Citizen/Consumer), Billy Myrick (Citizen/Consumer), Garimella Satish (Citizen/Consumer), Bob Stagg (Citizen/Consumer) and Bob Overton (Citizen/Consumer).

The following County officials and staff were present: Interim Fire Services Director Darrell Alford, Wake County Chief Operating Officer Johnna Rogers, Wake County Internal Audit Director John Stephenson, Budget Analyst Michael Gammon and Fire Services Logistics Manager Bud Davenport.

Fire Commission Chairman Chief McGee called the meeting to order at 7:00pm. He also provided the invocation and led the group with the pledge of allegiance.

ITEMS OF BUSINESS

ANNUAL ELECTION OF CHAIR AND VICE CHAIR

Wake County Fire Services Director Darrell Alford opened the floor for the 2021 Fire Commission Chairman position. Two nominations were received for incumbent Fire Commission Chairman Chief Keith McGee by Bob Stagg and Satish Garimella. With a unanimous vote by the Commission, Chief McGee was voted in as the 2021 Wake County Fire Commission Committee Chairman.

Chairman McGee then opened the floor to accept nominations for the 2021 Fire Commission Vice Chairman position. There was one nomination received for Chief Brian Staples. With a unanimous vote by the Commission, Chief Staples was voted in as the 2021 Wake County Fire Commission Vice Chairman.

APPROVAL OF THE NOVEMBER 19, 2020 FIRE COMMISSION MEETING MINUTES

A motion to accept the November 19, 2020 Fire Commission Meeting minutes was made by Bob Stagg and seconded by Satish Garimella. The motion was carried unanimously by the Fire Commission.

APPROVAL OF AGENDA

A motion was made by Bob Stagg to accept the agenda, the motion was seconded, and the agenda was approved as written.

PUBLIC COMMENTS

There were no public comments.

REGULAR AGENDA

INTRODUCTION OF COUNTY COMMISSIONER REPRESENTATIVES ON FIRE COMMISSION

Director Alford introduced Wake County's Board of Commissioners Chairman Matt Calabria as the primary Fire Commission representative and newly elected Commissioner Maria Cervania as the alternate.

FY20 FUND BALANCE PRESENTATION

Wake County Internal Audit Director, John Stephenson, presented the FY20 fund balance and provided his contact information to the Commission for any follow up questions.

ITRE/ORED STUDY

Director Alford presented the ITRE/ORED study, he indicated that the study is a supplemental document to assist with developing the long-range plan.

COMMUNITY ENGAGEMENT SURVEY

Director Alford reviewed the results from the community engagement survey. The survey was developed by a team that consisted of the Administrative Committee, Wake Fire Services, Wake Communications and Wake Innovations. The survey was well received by the community returning 1,384 surveys. Survey results will be emailed to the Commission tomorrow.

ADMINISTRATIVE COMMITTEE LONG RANGE PLAN PRESENTATION

Chief Tim Herman presented the long-range plan “standard of service” that the Administrative Committee has worked on for the past few years. The final plan will be emailed to the Commission tomorrow. Commission members were instructed to email questions to their region representative; regional reps can email Director Alford directly.

Chief Holt reviewed the RWECC/911 data based driven database and its features. RWECC/911 currently feeds live data every 60 seconds to fire services. It takes all call information into the database that can be filtered for your needs. Due to the sensitive nature of the data the RWECC/911 link cannot be shared publicly.

Chairman Chief McGee thanked the Administrative Committee for their hard work on the long-range plan.

INFORMATION AGENDA

FIRE TAX DISTRICT FINANCIAL REPORT

Wake County Budget and Management Analyst, Michael Gammon shared the current financials through mid-January with the Fire Commission. He noted that the of collection real property taxes is at 89%, in line with previous years collections. Michael reminded the Commission that Departmental budget request are due tomorrow.

WAKE COUNTY FIRE TAX DISTRICT
FY 2021 SYSTEMWIDE OPERATING FINANCIAL REPORT
As of January 13, 2021

| Revenue Source | Adopted Budget | Amended Budget | PTD Actual | Commitments (excluding pending) | YTD Actual | Total Commitments + YTD | Amended Budget Less YTD Actual | YTD % of Amended Budget |
|--|-------------------|-------------------|-------------------|---------------------------------|-------------------|-------------------------|--------------------------------|-------------------------|
| T127 NC DMV Taxes | - | - | 1,106,580 | - | 1,106,580 | 1,106,580 | (1,106,580) | - |
| T128 Refunds of NC DMV Taxes | - | - | (4,834) | - | (4,834) | (4,834) | 4,834 | - |
| T200 Special District Taxes | 29,595,000 | 29,595,000 | 26,338,244 | - | 26,338,244 | 26,338,244 | 3,256,756 | 89.0 |
| C494 Other Local Governments & Non Profits | - | 140,000 | - | - | - | - | 140,000 | 0.0 |
| N132 Interest - NCDOT - DMV Taxes | - | - | 689 | - | 689 | 689 | (689) | - |
| N140 Market vs Cost Investment Difference | - | - | (9,240) | - | (9,240) | (9,240) | 9,240 | - |
| N150 Interest Income/Pooled Funds | 51,000 | 51,000 | 4,707 | - | 4,707 | 4,707 | 46,293 | 9.23 |
| Total Revenues | 29,646,000 | 29,786,000 | 27,436,146 | - | 27,436,146 | 27,436,146 | 2,349,854 | 92.1% |

| Expenditure Object | Adopted Budget | Amended Budget | PTD Actual | Commitments (excluding pending) | YTD Actual | Total Commitments + YTD | Amended Budget Less YTD Actual | YTD % of Amended Budget |
|---|-------------------|-------------------|-------------------|---------------------------------|-------------------|-------------------------|--------------------------------|-------------------------|
| 2118 MEDICAL SERVICES - EMPLOYEE MEDICAL EXAM | 220,000 | 220,000 | 60,728 | 98,227 | 60,728 | 158,955 | 61,045 | 27.6 |
| 2185 Systems Software/Hardware Licensing and Maintenance Fees | 41,000 | 41,000 | - | - | - | - | 41,000 | 0.0 |
| 2406 CONTRACTED SERVICES | 115,000 | 115,000 | 2,801 | - | 2,801 | 2,801 | 112,199 | 2.4 |
| 3117 Computer Software Fees | 19,000 | 19,000 | 21,382 | - | 21,382 | 21,382 | (2,382) | 112.5 |
| 3127 OFFICE SUPPLIES | - | - | 110 | - | 110 | 110 | (110) | 0.0 |
| 3162 Vehicle Upfitting Parts | 28,100 | 28,100 | - | - | - | - | 28,100 | 0.0 |
| 3615 Cellular Voice and Data Service | 77,600 | 77,600 | 34,792 | - | 34,792 | 34,792 | 42,808 | 44.8 |
| 3617 DISPATCH SERVICE | 308,000 | 308,000 | 146,619 | 146,619 | 146,619 | 293,237 | 14,763 | 47.6 |
| 3714 MAINTENANCE AND REPAIR OF EQUIPMENT | 5,000 | 5,000 | 128 | 45 | 128 | 174 | 4,826 | 2.6 |
| 4208 CITY OF RALEIGH HAZMAT PROGRAM | 91,000 | 91,000 | - | - | - | - | 91,000 | 0.0 |
| 4224 NC DEPT OF NRCD - FORESTRY | 70,674 | 70,674 | 24,258 | 50,142 | 24,258 | 74,400 | (3,726) | 34.3 |
| 4428 MISC CHARGES FROM OTHER DEPT/DIV | 186,032 | 186,032 | - | - | - | - | 186,032 | 0.0 |
| 4446 800mhz charges from other dept | 161,000 | 161,000 | 80,248 | - | 80,248 | 80,248 | 80,752 | 49.8 |
| 4447 CAD charges from other dept | 41,000 | 41,000 | 10,046 | - | 10,046 | 10,046 | 30,954 | 24.5 |
| 4758 MV Tax Collection Costs | 59,150 | 59,150 | 28,540 | - | 28,540 | 28,540 | 30,610 | 48.2 |
| 6113 Vehicle Replacements | - | - | 191 | - | 191 | 191 | (191) | 0.0 |
| 7102 LEASE PRINCIPAL - DEBT SERVICE | - | - | 577 | 131 | 577 | 709 | (709) | 0.0 |
| 9109 Transfer to Debt Service from Fire Tax | 1,381,560 | 1,381,560 | - | - | - | - | 1,381,560 | 0.0 |
| 9128 Transfer to Fire Tax CIP | 1,687,000 | 1,687,000 | 1,687,000 | - | 1,687,000 | 1,687,000 | - | 100.0 |
| Department Appropriations | 25,154,884 | 25,294,884 | 12,728,197 | 12,516,687 | 12,728,197 | 25,244,884 | 50,000 | 42.1 |
| Total Expenditures | 29,646,000 | 29,786,000 | 14,825,617 | 12,811,850 | 14,825,617 | 27,637,467 | 2,148,533 | 49.8% |

STANDING COMMITTEE UPDATES

Administrative Subcommittee:

The Administrative Committee did not have any additional remarks.

Apparatus Subcommittee:

The Apparatus Committee last met December 10th and discussed the two FY21 engine purchases for Swift Creek and Fairview. Preconstruction meetings will be virtual and will take place within the next 45 days. The Northern Wake tanker specs were approved to move forward with the purchase.

Budget Subcommittee:

The next Budget Committee is tomorrow at 11am. Chief Poole extended gratitude to Chief Herman Chief Holt and the Administrative Committee for the countless hours spent on developing the long-range plan.

Communications Subcommittee

The Communications Committee is continuing to work on call processing time and a new interface mobile product. The mobile product is being vetted.

Equipment Subcommittee:

No report.

Facilities Subcommittee:

The Facility Committee met yesterday and reviewed two station proposals. The proposals were approved and forwarded onto the budget process.

The FY19 generator projects have resumed and are being completed; they were delayed due to COVID.

Health and Wellness Subcommittee

The Health and Wellness Committee met in December and is currently focusing on cancer prevention in fire services.

Training Subcommittee:

Due to COVID, the Training Committee lost steam and will be revamped. Director Alford requested Region Reps to identify members for the new committee and to include citizen/consumer representation.

Volunteer Recruitment & Retention Subcommittee

The Committee is continuing to work through the SAFER grant as well as with the Volunteer Workforce Solutions grant. Since inception, there has been 106 interest cards received and a net gain of 17 firefighters.

CHAIR REPORT

Chairman Chief McGee recognized Director Alford's first Commission meeting since becoming Director for Wake Fire Services.

Chairman Chief McGee thanked the Commission for their concern during his bout with COVID in December.

FIRE SERVICES REPORT

Director Alford congratulated Chairman Chief McGee and the Apex Fire Department for their class 1 ISO rating for the town and a class 2 rating in the unincorporated areas.

GOOD OF THE GROUP

ADJOURNMENT—

The meeting was adjourned by Chief McGee.

DRAFT

Item Title:

Fire Tax District Long Range Plan Guiding Principles and Standards

Specific Action Requested:

The Fire Commission accepts the Long-Range Plan Guiding Principles and Standards as presented by the Fire Commission Administrative Committee to serve as the basis for future long-range planning decision around staffing and station locations utilizing actual Fire Tax District data compared to the following established standards:

1. Travel time for the first arriving unit, running emergency traffic, on all incidents should be 7 minutes, 0 seconds 90 percent of the time in unincorporated districts of Wake County
2. First arriving apparatus on fire risk classifications will have a minimum of 3 qualified firefighters, be capable of providing 500 gallons of water; with a pumping capability of 1250 gallons per minute; establish incident command procedures, provide initial size up and request additional resources; initiate fire attack and perform any needed immediate rescues
3. The Effective Response Force (ERF) for any reported structure fire responding emergency traffic with a minimum of 16 qualified firefighters should be 12 minutes 0 Seconds, 90 percent of the time in unincorporated districts of Wake County. The ERF for any structure fire will be capable of establishing a command post; establish personnel accountability; establish a safety officer; secure an initial water supply; operate multiple hose lines; establish a rapid intervention crew; perform search and rescue operations; complete forcible entry; provide ventilation and utility control; perform any needed salvage and overhaul operations.
4. The first arriving apparatus, responding emergency traffic, on an EMS call with a minimum of 2 firefighters should be 7 minutes 0 seconds 90 percent of time in unincorporated districts of Wake County. The first arriving crew will be capable of providing Basic Life Support care to include use of an Automatic External Defibrillator, establish incident command and document all needed information.
5. The first arriving apparatus, responding emergency traffic, on an Technical Rescue call with a minimum of 3 firefighters should be 7 minutes 0 seconds 90 percent of time in unincorporated districts of Wake County The first arriving apparatus will be capable of establishing command, providing initial size up; requesting additional resources as needed; creating a safe space and providing basic stabilization and extrication
6. The first arriving apparatus, responding emergency traffic, on an Haz-Mat call with a minimum of 3 firefighters should be 7 minutes 0 seconds 90 percent of time in unincorporated districts of Wake County. The first arriving apparatus shall be capable of providing 500 gallons of water; with a pumping capability of 1250 gallons per minute; establish incident command procedures, provide initial size up; request additional resources if needed; mitigate situation if possible or start initial evacuations.

Additional Recommendations

1. Individual fire districts should meet the standard of response performance. If not, Wake County Fire Services staff will evaluate the individual district to determine where the gaps are and provide recommendations to close the gaps.
2. The recommended effective response force (ERF) for structure fires did not include tankers. Tankers are an important part of a structure fire response in the rural areas where hydrants are not available. Tankers were not included in the ERF because these apparatuses are not staffed and most rely on volunteers to respond from home to get tankers enroute to a fire, which account for a longer than normal response time. It was not easy to determine through the travel time evaluation the effectiveness of tanker responses in Wake County. A tanker response evaluation is recommended to determine if the county has a problem with getting tankers to fires and if so, provide recommendation to solve it. Wake County Fire Services has agreed to study tanker responses moving forward.
3. Call Processing plays a part in total response time, however, this study and recommendation only focused on travel time (station locations). It is recommended that a call processing time is evaluated, and recommendations are provided.
4. Turn out time plays a part in total response time, however, this study and recommendation only focused on travel time (station location). It is recommended that turn out time is evaluated, and time recommendations are provided.
5. Wake County Fire Services shall be the lead agency and monitor the response times semi-annually to determine any gaps. (need for additional targeting staffing or future station locations)
6. Wake County Fire Services shall facilitate and conduct new risk assessments and critical tasking every 5 years
7. Consider supplemental documents such as Community Engagement Study, ITRE/ORED Documents as well as older applicable studies in future decision-making opportunities regarding Stations and Staffing.

Item Summary:

Wake County Fire Commission Administrative Committee was tasked with developing the framework for a Long-Range Plan in 2019. The plan was to assess our current risk, develop critical tasking and identify standards to guide future decision making for staffing and stations. Over the last 2 plus years, the Committee met bi-monthly in the development of this guiding document. In January 2021, the Committee presented their full recommendations for consideration.

Attachments:

Final Presentation
Final Plan and Appendices
Supporting Documentation

Wake County Fire Services

Long Range Planning



Standard of Fire Service response for the unincorporated areas of Wake County

Wake County Fire Commission

Administrative Sub-Committee

1/21/2021

Table of Contents

| <u>Topic</u> | Page |
|--|-------------|
| Executive Summary----- | 3 |
| Step 1 – Risk Assessment----- | 4 |
| Step 2 – Critical Tasking, Establishing Effective Response Force (ERF)----- | 10 |
| Step 3 – Baseline Performance Evaluation----- | 15 |
| Step 4 – Community Input----- | 18 |
| Step 5 – Standard of Service Performance Objectives (goals and benchmarks) ----- | 20 |
| Plan and Recommendations----- | 22 |
| | |
| Appendix 1 – Risk assessments | |
| Appendix 2 – GIS Effective Response Force Modeling | |
| Appendix 3 - National Standard References | |
| Appendix 4 – Community Survey Results | |
| Appendix 5 – ITRE/ORED Study Results | |

Administration Committee Members

| Position | Representative | |
|--------------|--|--|
| Chairman | Bob Stagg (Citizen) | |
| Citizen | David Handy | |
| North Region | Ron Early (Wake Forest FD) Tim Pope (Northern Wake FD) | David McNulty (Durham Hwy FD) Darron Holt (Northern Wake FD) |
| South Region | LeRoy Smith (Holly Springs FD) Tim Herman (Garner FD) | Matt Poole (Garner FD) Jim Jones (Fuquay Varina FD) |
| West Region | Keith McGee (Apex FD) Mike Cooper (Cary FD) | Garland Johnston (Western Wake FD) Scott Criddle (Morrisville FD) |
| East Region | Brian Staples (Wendell FD) Lee Price (Wake New Hope FD) | Loren Cone (Knightdale FD) |
| County Staff | Darrell Alford (Wake County Fire Service) | |

Executive Summary

The Wake County Board of Commissioners requested the Wake County Fire Commission to establish a county-wide “standard for fire service” in the unincorporated areas of Wake County and to develop a plan to achieve and sustain agreed upon service levels. This task was passed from the Wake County Fire Commission to the administrative sub-committee of the fire commission. The administrative sub-committee is a group of fire service representatives for each region of Wake County, Wake County Fire and Emergency Services staff, and Wake County citizens representation. All fire departments that serve the unincorporated areas of Wake County have contracts that include many aspects of providing fire service, however a detailed standard of response capabilities that measure response times, on scene performance objectives, and number of firefighters that respond to incidents does not exist. The creation of this standard of service will created the Wake County fire service “measuring stick”, which will allow leaders to make informed decisions about the future of fire service in Wake County.

The administrative sub-committee adopted a 5-step process for developing the Wake County fire service standard of response:

Step 1: Conduct a general risk assessment in the areas of fire, EMS, hazmat, and technical rescue. Identify and calculate the risk using a methodology that measures Probability of the risk occurring, Consequence if the risk occurs, and the impact to fire service resources during the risk event.

Step 2: Perform a critical task analysis for each Category of each risk Classification, showing the resources needed to handle the risk. This will help create a minimum response plan for the rural areas county-wide.

Step 3: Evaluate baseline response times (travel only) for all Structure Fires and Medical calls. Baselines will include travel times for first due fire suppression apparatus and total effective response force (ERF).

Step 4: Community and Departmental input via survey focused on response times services provided.

Step 5: Adopt response time (travel only) and performance objectives goals for all call types for first arriving apparatus responding emergency traffic, and **ERF for Structure Fires only.**

In final, the administrative sub-committee was able to provide fire service performance goals for all call types and risk levels that outlined travel time goals for the first arriving unit and the effective response force. The performance goals also included on-scene operational duties to be accomplished for each risk level. The performance goals were driven from national performance standards and best practices using critical tasking for each risk identified in the risk assessment that was conducted for Wake County’s unincorporated areas.

Risk Assessment (Step 1)

Step 1 in the process of determining the standard of response for the unincorporated areas of Wake County was to identify the risk and measure it. There are many types of risks and ways to evaluate it, however for this assessment the committee chose to only evaluate risks that the fire departments respond to in the rural districts by the way of emergency incidents such as fires calls, medical calls, technical rescue calls, and hazardous material calls.

4 Classifications of General Fire Service Risk

| | |
|---------------|------------|
| FIRE | EMS |
| HAZMAT | TR |

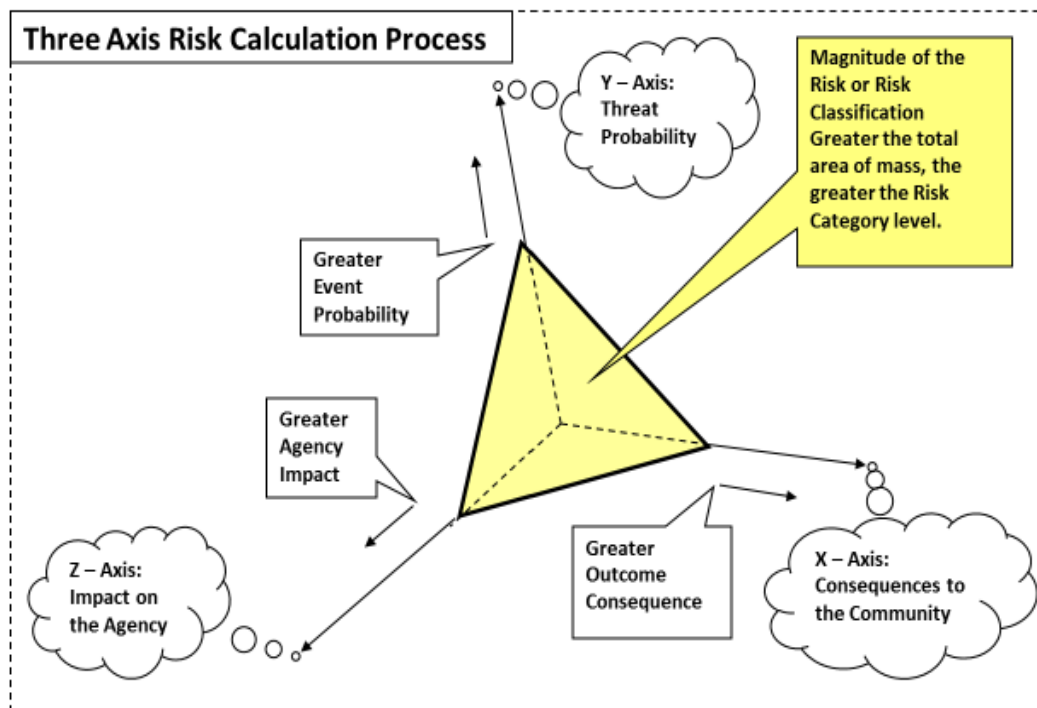
For each classification of risk, a sub-set of call types were created to evaluate. Below is an example of the call types that were included.

| FIRE | EMS | HAZMAT | TR |
|---|--|--|--|
| <ul style="list-style-type: none"> • Grass Fire • Woods Fire • Trash Fire • Vehicle Fire • Fire Alarm • Sm non-dwelling • Lg. non-dwelling • Cooking Fire • Chimney Fire • Single Family • Multi Family • Comm. Fire • Target Haz. | <ul style="list-style-type: none"> • Walk-in • Lift Asst. • Medical Call < 6 • MVA < 6 • Any medical call with 6 or more patients | <ul style="list-style-type: none"> • Investigations • CO Incident • Small Fuel Spill • Lg. Fuel Spill • LP or Natural gas leak • Hazmat release requiring tech response or large evacuations | <ul style="list-style-type: none"> • Person locked in vehicle/building • Elevator entrapment • Vehicle/machinery extrication • Swift water • Trench • Confined Space • High/low angle |

Once the call types were determined, a methodology of measuring risk was determined, which would categorize the risk into 4 categories: Low, Moderate, High, and Maximum Risk. A 3-axis risk calculation was adopted measuring probability, consequence, and impact.

Categories of Risk for each Classification

| |
|---------------|
| Maximum Risk |
| High Risk |
| Moderate Risk |
| Low Risk |



Probability – how often the risk occurs based on annual reporting from each fire department of the type of situation found once units arrived on the scene.

| Probability of Occurrence Annually |
|---|
| 2 = Quarterly/Yearly (0-4) |
| 4 = Monthly (5-31) |
| 6 = Weekly (32-364) |
| 8 = Daily (365 or more) |

Consequence – the impact to the customer as it relates to life, emotions, and finance.

| Ranking | Life (50%) | Emotional (25%) | Financial (25%) |
|----------------|---|-------------------------------------|-------------------------|
| 2 | No Hazard | No Emotional Impact | \$0 - \$49,999 |
| 4 | Less than 6 life loss potential | Single real property/single person | \$50,000 - \$499,999 |
| 6 | 6 or more life loss potential | Multi real property/multiple people | \$500,000-\$999,999 |
| 8 | Life loss potential for civilian and firefighters | Community/Historic/Tax base loss | \$1,000,000 and greater |

Impact – measuring the strain on the fire service system based on resources needed per risk.

| Impact to Resources (Personnel) | | | | | |
|--|--|--|--|--|--|
| 2 | Low (2-3 personnel with staffed crew) | | | | |
| 4 | Moderate (6-12 personnel using staffed and volunteer crews) | | | | |
| 6 | High (13-15 personnel using staffed, volunteers, and auto-aid) | | | | |
| 8 | Maximum (16 or more personnel staffed, volunteers, auto-aid, mut-aid, coverage needed) | | | | |

The study used 4 years of response data (2015-2018) (46,733 calls for service)(Appendix 1) in all 43 rural fire districts to analysis the risk in each area. Below is an example risk calculation for each risk classification:

| Wake County Fire Risk Assessment | | | | | |
|--|--------------------|--------------------|---------------|-------------------|------------------------|
| Fire | Probability | Consequence | Impact | Risk Score | Risk Assessment |
| Electrical Problem | 2 | 2 | 2 | 4.90 | Low |
| Grass/Woods/Trash Fire | 2 | 2 | 2 | 4.90 | Low |
| Vehicle Fire | 2 | 2 | 2 | 4.90 | Low |
| Automatic Alarms | 4 | 2 | 2 | 8.49 | Low |
| Chimney Fire | 2 | 4 | 6 | 19.80 | Moderate |
| Cooking Fire, contained | 2 | 4 | 6 | 19.80 | Moderate |
| Structure Fire (Less than 5,000 sqft) | 2 | 4 | 8 | 25.92 | High |
| Structure Fire (5,001-10,000 sqft) | 2 | 5 | 8 | 31.27 | Maximum |
| Structure Fire (greater than 10,000 sqft)/Target Hazards | 2 | 8 | 8 | 48.00 | Maximum |

| Wake County Medical Risk Assessment | | | | | |
|--|--------------------|--------------------|---------------|-------------------|------------------------|
| Medical | Probability | Consequence | Impact | Risk Score | Risk Assessment |
| Walk in to Station | 2 | 4 | 2 | 8.49 | Low |
| Medical First Responder Response | 6 | 4 | 2 | 19.80 | Moderate |
| MVA < 6 patients | 4 | 4 | 4 | 19.60 | Moderate |
| Mass causality 6 or more patients | 2 | 6 | 6 | 28.14 | High |

| Wake County Hazardous Material Risk Assessment | | | | | |
|---|--------------------|--------------------|---------------|-------------------|------------------------|
| Incident | Probability | Consequence | Impact | Risk Score | Risk Assessment |
| Investigations of odors/alarms | 2 | 2 | 2 | 4.90 | Low |
| Small Fuel Spill | 2 | 2 | 2 | 4.90 | Low |
| Large Fuel Spills | 2 | 4 | 4 | 13.86 | Moderate |
| CO Incident | 2 | 4 | 4 | 13.86 | Moderate |
| LP or Natural gas leaks | 2 | 4 | 4 | 13.86 | Moderate |
| Hazardous material release requiring Haz-mat team and/or large scale evacuation | 2 | 6 | 6 | 28.14 | High |

| Wake County Technical Rescue Risk Assessment | | | | | |
|---|--------------------|--------------------|---------------|-------------------|------------------------|
| Incident | Probability | Consequence | Impact | Risk Score | Risk Assessment |
| Person locked in vehicle or building | 2 | 2 | 2 | 4.90 | Low |
| Elevator entrapment (non-injured) | 2 | 2 | 2 | 4.90 | Low |
| Type 3 (Vehicle/machinery extrication, non-swift water) | 2 | 4 | 4 | 13.86 | Moderate |
| Type 2 (in scope) outside agencies needed, Type 1 (out of scope)(confined space, trench, swift water) | 2 | 6 | 6 | 28.14 | High |

Example of a 4-year risk study of rural fire district (Garner Station 4, rural area).

| Garner Sta. 4 | 2015 | | 2016 | | 2017 | | 2018 | | Total |
|--|-------------|-------|-------------|-------|-------------|-------|-------------|-------|---------------------|
| Total number of calls for service | 497 | | 604 | | 567 | | 553 | | 2221 |
| | | | | | | | | | |
| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
| Electrical/Odor Investigation | 7 | 8.49 | 13 | 8.49 | 4 | 4.49 | 9 | 8.49 | 7.49 |
| Woods/Trash/Grass | 20 | 8.49 | 17 | 8.49 | 28 | 8.49 | 28 | 8.49 | 8.49 |
| Vehicle Fires | 5 | 8.49 | 12 | 8.49 | 7 | 8.49 | 7 | 8.49 | 8.49 |
| Fire Alarms | 28 | 8.49 | 27 | 8.49 | 19 | 8.49 | 20 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 2 | 19.8 | 19.80 |
| Structure less 5000 | 7 | 33.94 | 2 | 25.92 | 5 | 33.94 | 5 | 33.94 | 31.94 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |
| | | | | | | | | | |
| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
| Investigations/Odor | 4 | 4.49 | 2 | 4.49 | 6 | 8.49 | 2 | 4.49 | 5.49 |
| Small Fuel Spill | 3 | 4.49 | 1 | 4.49 | 1 | 4.49 | 0 | 4.49 | 4.49 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 1 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 3 | 13.86 | 1 | 13.86 | 1 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |
| | | | | | | | | | |
| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 189 | 19.8 | 210 | 19.8 | 195 | 19.8 | 191 | 19.8 | 19.8 |
| MVA Less than 6 | 75 | 26.53 | 118 | 26.53 | 102 | 26.53 | 106 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |
| | | | | | | | | | |
| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
| Lock In | 0 | 4.49 | 1 | 4.49 | 0 | 4.49 | 1 | 4.49 | 4.49 |
| Elevator | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 4.49 |
| VMR Extrication | 1 | 13.86 | 2 | 13.86 | 1 | 13.86 | 1 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 1 | 28.14 | 28.14 |

All risk assessment data for all 43 rural fire districts is in appendix 1. The risk assessment data was obtained from data that each fire department reported to the National Fire Incident Reporting System (NFIRS) for the years of 2015-2018. During this time, the 18 fire departments that cover the unincorporated areas of Wake County responded to 46, 733 incidents in those rural areas.

This risk assessment studied types of incidents found after the fire departments arrived on the scene and how they reported the incident. All calls responded to are not captured in the risk assessment, only the ones within the risk classifications. An example of this looking at the data above for Garner Station 4 would be in 2015 they responded to 497 calls in the unincorporated area of the station 4 district, looking at the call classifications studied, it only accounts for 337 calls. The other 160 calls for that year were coded in a classification like cancelled enroute, service call, wrong location, etc. A district may have a 0 in a call type like structure fire, however could have been dispatched to 14 for the year, but all were other outcomes which may fall into other classifications studied or in a classification not studied.

Special notes:

- Northern Wake Fire Department only has data from 2018 due to the merger of Bay Leaf FD and Stony Hill FD.
- Eastern Wake FD data is still relevant however it is now the Town of Knightdale FD, who covers the same areas.
- Wendell FD data includes all their calls to include areas within the Wendell corporate limits due to their town being a part of the Wake County fire tax district.

Critical Task Analysis (Step 2)

Step 2 in the process was to conduct a critical task analysis for each call type within each risk classification identified during the risk assessment in step 1. This process identifies the needed resources on the initial dispatch to mitigate an emergency, known as the Effective Response Force (ERF). Some emergencies may escalate to a higher risk, requiring additional resources, likewise, some will downgrade to a lower ERF. The time the first arriving fire suppression apparatus and the ERF will be a part of the performance objectives moving forward. This answers the question of why you need the number of firefighters you say you need at a certain type of emergency call. This also starts to tie all the steps together and explain why they were important steps to get to a data driven recommendation. The risk assessment identifies that the need (risk) exists and categorizes it which provides information to determine the needed resources to respond (critical tasking).

FIRE

Low risk fire incidents may include grass fires, woods fires, trash fires, vehicle fires, fire alarms, odor/smoke/electric investigations, etc.

| Low Fire Risk Critical Tasks | |
|------------------------------|---------------------|
| Critical Task | Number of Personnel |
| Command/Safety | 1 |
| Fire Attack/Investigation | 1 |
| Pump Operator | 1 |
| Total ERF | 3 |
| 1 Engine | |

Moderate risk fire incidents may include chimney fires, cooking fires contained, extinguished fires, small non-dwellings, etc.

| Moderate Fire Risk Critical Tasks | |
|--|---------------------|
| Critical Task | Number of Personnel |
| Command/Safety/Accountability | 1 |
| Fire Attack/Investigation | 2 |
| RIT | 2 |
| Search/Rescue | 2 |
| Vent/Utilities | 2 |
| Pump Operator | 1 |
| Fire Suppression ERF | 10 |
| 2 Engines, 1 Rescue/Ladder, 1 Chief | |
| Non-Hydrant Response | |
| Tanker Response (2 Tankers) *removed from ERF | 2 |
| Total ERF | 10/12 |

High and Maximum risk fire incidents may include large non-dwelling, single family dwelling, multi-family dwelling, commercial building, etc.

| High/Maximum Fire Risk Critical Tasks | |
|--|---------------------|
| Critical Task | Number of Personnel |
| Command/Safety/Accountability | 1 |
| Fire Attack | 4 |
| RIT | 2 |
| Search/Rescue | 2 |
| Vent/Utilities/Ladder ops | 3 |
| Pump Operator | 1 |
| Fire Suppression ERF | 13 |
| 3 Engines, 1 Rescue/Ladder, 1 Chief | |
| Non-Hydrant Response | |
| Tanker Response (3 Tankers) *removed from ERF | 3 |
| Water Supply Engine | 3 |
| Total ERF | 16/19 |

The first arriving apparatus on ALL risk classifications will be capable of proving 500 gallons of water with a pumping capability of 1,250 gallons per minute; establishing incident command procedures, proving initial size-up report; requesting additional resources if needed; initiate fire attack; perform any needed rescues.

The effective response force (ERF) for any structure fire will be capable of establishing a command post; establish personnel accountability; establish a safety officer; secure an initial water supply; operate multiple hose lines; establish a rapid intervention crew; perform search and rescue operations; complete forcible entry; provide ventilation and utility control; perform any needed salvage and overhaul operations.

EMS

Low risk medical incidents may include a well person check, walk-in to station medical call, lift assist, etc.

| Low Medical Risk Critical Tasks | |
|---------------------------------|---------------------|
| Critical Task | Number of Personnel |
| Command/Safety/Documentation | 1 |
| Patient Care | 1 |
| | |
| Total ERF | 2 |
| 1 Engine/Small Vehicle | |

Moderate risk medical call may include a medical first responder call, Motor vehicle crash with < 6 patients, etc.

| Moderate Medical Risk Critical Tasks | |
|---|---------------------|
| Critical Task | Number of Personnel |
| Command/Safety/Documentation | 1 |
| Patient Care | 2-3 |
| | |
| Total ERF | 2-3 |
| 1 Engine/Small Vehicle for non-MVA calls. | |

High risk medical call may include a motor vehicle crash, mass causality call with 6 or more patients, etc.

| High Medical Risk Critical Tasks | |
|----------------------------------|---------------------|
| Critical Task | Number of Personnel |
| Command/Safety/Documentation | 1 |
| Triage | 2 |
| Patient Care | 3 |
| Total ERF | 6 |
| 1 Engine, 1 Rescue/Ladder | |

The first arriving crew will be capable of providing Basic Life Support (BLS) care to include the use of an Automatic External Defibrillator (AED), establishing incident command, and document all needed information.

The ERF for high risk medical calls will be capable of establishing triage and providing additional patient care.

*Note that motor vehicle crashes with injuries is part of the medical risk when only dealing with injured patients. Motor vehicle crashes can involve technical rescue and hazmat risks and are evaluated in those sections.

Technical Rescue

Low risk technical rescue calls may include a person locked in a vehicle or building, elevator entrapment with no injury, etc.

| Low Technical Rescue Risk Critical Tasks | |
|--|---------------------|
| Critical Task | Number of Personnel |
| Command/Safety | 1 |
| Extrication | 2 |
| | |
| Total ERF | 3 |
| 1 Engine/Rescue | |

Moderate risk technical rescue calls may include a vehicle or machinery extrication, non-swift water rescue, etc.

| Moderate Technical Rescue Risk Critical Tasks | |
|---|---------------------|
| Critical Task | Number of Personnel |
| Command/Safety | 1 |
| Stabilization | 2 |
| Extrication | 3 |
| | |
| Total ERF | 6 |
| 1 Engine, 1 Rescue/Ladder | |

High risk technical rescue calls may include confined space, trench, high/low angle, swift water, etc.

| High Technical Rescue Risk Critical Tasks | |
|---|---------------------|
| Critical Task | Number of Personnel |
| Command/Safety | 1 |
| Rescue Ops Leader | 1 |
| Stabilization | 3 |
| Extrication/Rigging | 5 |
| | |
| Total ERF | 10 |
| 2 Engine, 1 Rescue/Ladder, 1 Chief | |

The first arriving apparatus will be capable of establishing incident command procedures, providing initial size-up report; requesting additional resources if needed; creating a safe area, providing basic stabilization and extrication.

The ERF of moderate and high-risk calls will establish rescue operation groups and/or assist technical rescue teams.

Hazmat

Low risk hazardous material calls may include investigations of odors, or alarms, small fuel spills, etc.

| Low Hazmat Risk Critical Tasks | |
|--------------------------------|---------------------|
| Critical Task | Number of Personnel |
| Command/Safety | 1 |
| Investigation | 2 |
| | |
| Total ERF | 3 |
| 1 Engine | |

Moderate risk hazardous material calls may include large fuel spills, carbon monoxide calls, LP or natural gas leaks, etc.

| Moderate Hazmat Risk Critical Tasks | |
|-------------------------------------|---------------------|
| Critical Task | Number of Personnel |
| Command/Safety | 1 |
| Mitigation/containment | 3 |
| Perimeter control | 2 |
| Total ERF | 6 |
| 1 Engine, 1 Rescue/Ladder | |

High risk hazardous material calls may include a hazardous material release requiring a hazmat team and/or large-scale evacuation.

| High Hazmat Risk Critical Tasks | |
|------------------------------------|---------------------|
| Critical Task | Number of Personnel |
| Command/Safety | 1 |
| Mitigation/containment | 3 |
| Perimeter control/ Evacuation | 6 |
| Total ERF | 10 |
| 2 Engine, 1 Rescue/Ladder, 1 Chief | |

The first arriving apparatus will be capable of proving 500 gallons of water with a pumping capability of 1,250 gallons per minute; establishing incident command procedures, proving initial size-up report; requesting additional resources if needed; mitigate situation if possible; start initial evacuations.

The ERF for moderate and high-risk calls will establish mitigation/containment groups, provide additional evacuation groups, and/or assist hazmat teams.

Baseline Evaluation (Step 3)

Step 3 in the process involves the evaluation of current service delivery as it relates to **response times** to emergency calls (baselines). The seems like a simple task, however this is a challenging process. The Wake County unincorporated areas are protected by 18 fire departments using 43 fire stations. Many fire departments utilize different record management systems, different computer aided dispatch systems, and have different internal protocols that guide operations and reporting.

The goal of this step is to evaluate the distribution and concentration of fire service resources within Wake County's unincorporated areas. Distribution is basic fire station location, how long does it take to get 1 fire resource to an emergency. Concentration is evaluating how long it takes to get the effective response force to an emergency identified during critical tasking based on risk identified during the risk assessments. Concentration is multiple stations and/or multi-company stations.

This evaluation is only evaluating travel time, the time from when the apparatus starts to move towards the emergency to when it arrives at the scene of the incident. The evaluations will all be evaluated at the 90th percentile performance measure.

Due to the challenge of evaluating all call types for all risks for all 43 rural fire districts in Wake County, the committee decided to only evaluate 2 call types, medical first responder and all structure fires.

Thought process for this 2-call type evaluation:

- 1) When evaluating response time performance, the goal is to only evaluate calls that require an emergency (lights and siren) response, medical first responder and structure fires fit this model best.
- 2) Medical first responder calls account for most of the response, giving us the greatest number of responses to evaluate for a more accurate baseline for measuring distribution.
- 3) Structure fires require the largest effective response force identified and is the most crucial risk. If goals are met for the structure fire risks, all other categories and risk classification would be met as well.

Distribution study (first arriving units) looked at 2 ways, system wide and each department.

System wide

5,242 medical and structure fire call types evaluated between the date of 5/14/2019 – 5/1/2020.

First arriving unit responding emergency traffic = 7 minutes, 08 seconds of travel time, 90% of the time.

Breakdown by Department

| Department | Number of calls | 90% Travel Time |
|---------------------------|------------------------|------------------------|
| Apex* | 110 | 8:30 |
| Cary * | 22 | 4:48 |
| Durham Highway | 184 | 5:57 |
| Eastern Wake (Knightdale) | 554 | 6:48 |
| Fairview | 499 | 5:31 |
| Fuquay | 727 | 7:37 |
| Garner | 1,178 | 7:41 |
| Holly Springs | 94 | 8:04 |
| Hopkins | 75 | 6:26 |
| Morrisville * | 130 | 7:52 |
| Northern Wake | 589 | 6:50 |
| North West Wake Hook | 60 | 13:12 |
| Rolesville | 130 | 6:17 |
| Swift Creek | 148 | 6:16 |
| Wake Forest | 282 | 5:59 |
| Wake New Hope | 246 | 6:43 |
| Wendell | 143 | 7:18 |
| Western Wake | 51 | 6:35 |
| Zebulon | 99 | 6:21 |

*Data provide by department due to different CAD system.

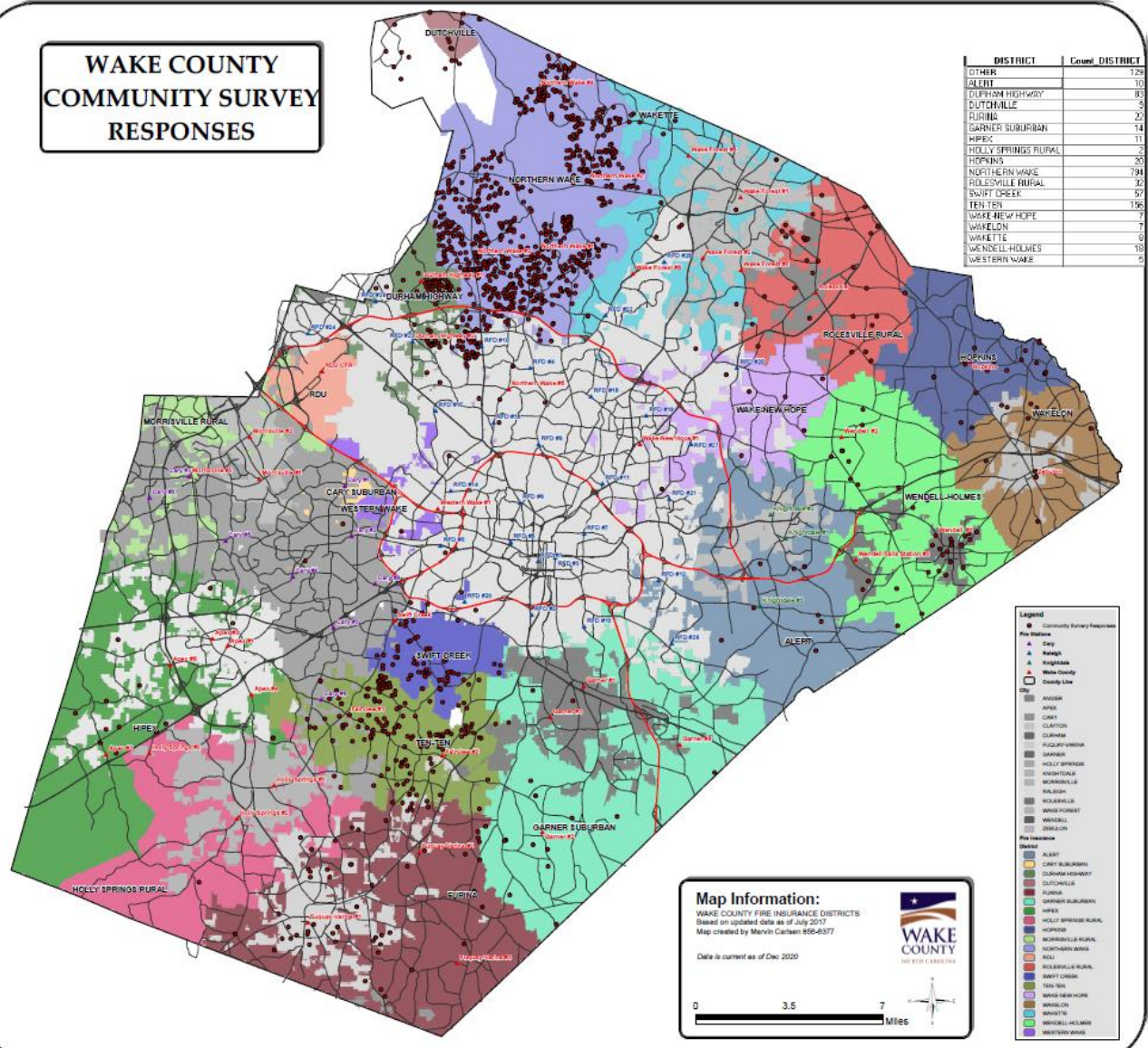
The effective response force (ERF) for structure fires is more challenging with many factors to consider. Fortunately, Wake County does not see many structure fires in the unincorporated areas that required the total ERF to arrive on scene. The time period evaluated produced 213 structure fires, out of those, 37 calls had 16 or more firefighters arrive to the scene. Due to the low data set, GIS mapping was utilized to predict response times. See actual and predicted times below:

Actual Response Data

| Location | District | Call Type | ERF Travel (16) | ERF Travel (19) |
|--------------------------|-------------------|--------------------------------|-----------------|-----------------|
| 324 Hunters Farm Dr | GFD RURAL GAR17 | Structure Fire Residential | 10:12 | 11:47 |
| 6208 Hirondelee Ct | HSFD RURAL HSR17 | Structure Fire Residential | 9:33 | 11:10 |
| 8617 Bostian Dr | FFD RURAL FFR08 | Structure Fire Residential | 8:01 | 12:02 |
| 1219 S Spring Garden Cir | GFD RURAL GAR17 | Structure Fire Mobile Home | 8:03 | 8:06 |
| 107 QUAIL CROSSING DR | WFFD RURAL WFR20 | Structure Fire Mobile Home | 4:53 | N/A |
| 117 Belve Dr | GFD RURAL GAR17 | Structure Fire Residential | 10:42 | 12:40 |
| 1520 Consett Ct | NWFD RURAL NWR33 | Structure Fire Residential | 10:56 | 10:56 |
| 2729 BROOKWOOD DR | FFD RURAL FFR08 | Structure Fire Residential | 8:08 | 8:53 |
| 215 GIPSON DR | GFD RURAL GAR42 | Structure Fire Residential | 10:49 | 12:15 |
| 4926 Fayetteville Rd | GFD RURAL GAR17 | Structure Fire High Life Hazar | 13:37 | N/A |
| 7904 Mitchell Mill Rd | ROFD RURAL RVR06 | Structure Fire Residential | 10:47 | N/A |
| 8433 Greythorne Pl | EWFD RURAL EWR24 | Structure Fire Residential | 13:38 | N/A |
| 9924 Scottie Dr | DUTFD RURAL DVR01 | Structure Fire Large Non Dwell | 14:31 | N/A |
| 5949 Sunset Lake Rd | HSFD RURAL HSR05 | Structure Fire Residential | 7:40 | N/A |
| 3509 Misty River Dr | EWFD RURAL EWR24 | Structure Fire Residential | 12:17 | N/A |
| 3608 Lodge Dr | EWFD RURAL EWR24 | Structure Fire Residential | 14:29 | 16:35 |
| 6400 Johnson Pond Rd | FVFD RURAL FVR18 | Structure Fire Commercial | 8:50 | N/A |
| 1712 Old Crews Rd | NHFD RURAL NHR40 | Structure Fire Mobile Home | 7:50 | N/A |
| 3816 Benson Rd | GFD RURAL GAR17 | Structure Fire Residential | 13:08 | N/A |
| 5617 Treestand Ct | GFD RURAL GAR17 | Structure Fire Residential | 12:34 | N/A |
| 1504 Old Crews Rd | NHFD RURAL NHR40 | Structure Fire Residential | 10:25 | 10:25 |
| 3413 Horseshoe Bnd | NWFD RURAL NWR33 | Structure Fire Small Non Dwell | 7:44 | 11:30 |
| 1924 Rolesville Rd | ROFD RURAL RVR06 | Structure Fire Large Non Dwell | 4:57 | N/A |
| 4213 Bluewing Rd | NHFD RURAL NHR40 | Structure Fire Residential | 8:05 | N/A |
| 6109 Buffaloe Rd | NHFD RURAL NHR40 | Structure Fire Mobile Home | 13:23 | N/A |
| 13019 Creedmoor Rd | NWFD RURAL NWR33 | Structure Fire Large Non Dwell | 9:49 | N/A |
| 5429 Fayetteville Rd | GFD RURAL GAR17 | Structure Fire Commercial | 8:32 | 11:37 |
| 6805 Rex Rd | HSFD RURAL HSR17 | Structure Fire Residential | 12:48 | N/A |
| 8305 Riley Hill Rd | ZFD RURAL ZFR12 | Structure Fire Mobile Home | 9:24 | N/A |
| 3009 Villawood Cir | FFD RURAL FFR08 | Structure Fire Residential | 10:48 | N/A |
| 6317 People Rd | HSFD RURAL HSR17 | Structure Fire Residential | 10:20 | N/A |
| 126 Buffaloe Acres Ln | GFD RURAL GAR17 | Structure Fire Commercial | 14:04 | N/A |
| 5205 Tustin Ct | FVFD RURAL FVR18 | Structure Fire Residential | 9:48 | N/A |
| 101 Saunders Grove Ln | MFD Rural | Structure Fire Residential | 4:42 | 4:42 |
| 7800 Hendricks Rd | MFD Rural | Structure Fire Residential | 5:52 | 5:52 |
| 9832 Ten Ten Rd | GFD RURAL GAR17 | Structure Fire Large Non Dwell | 8:08 | 12:45 |
| 906 Sunny Ln | GFD RURAL GAR17 | Structure Fire Residential | 8:32 | N/A |

GIS mapping ERF predictions, see appendix 2

**WAKE COUNTY
COMMUNITY SURVEY
RESPONSES**





Fire Tax District Community Involvement Survey

What people are saying?



Includes: Strongly Agree, Somewhat Agree & Agree

Top 10 Words to Describe Fire Services



1,384

Survey Responses

74%

Watched Video

59%

% No Services

What about time standards?

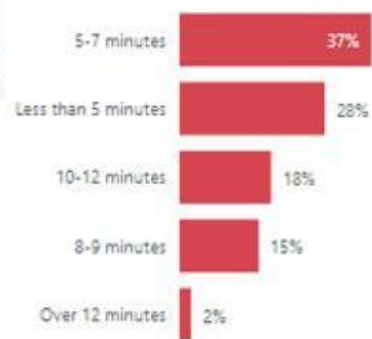
Time Standards



Fire Dept Response Times



911 Arrival Time



Wake County Standard of Response Performance Objectives

FIRE

The first arriving apparatus for all fire risk classifications responding emergency traffic with a minimum of three (3) qualified firefighters should be 7 minutes 0 seconds of travel time in the unincorporated districts of Wake County, 90 percent of the time.

The first arriving apparatus will be capable of proving 500 gallons of water with a pumping capability of 1,250 gallons per minute; establishing incident command procedures, proving initial size-up report; requesting additional resources if needed; initiate fire attack; perform any needed rescues.

The Effective Response Force (ERF) for any reported structure fire responding emergency traffic with a minimum of 16 qualified firefighters should be 12 minutes 0 seconds, 90 percent of the time.

The ERF for any structure fire will be capable of establishing a command post; establish personnel accountability; establish a safety officer; secure an initial water supply; operate multiple hose lines; establish a rapid intervention crew; perform search and rescue operations; complete forcible entry; provide ventilation and utility control; perform any needed salvage and overhaul operations.

EMS

The first arriving apparatus for all EMS risk classifications responding emergency traffic with a minimum of two (2) firefighters should be 7 minutes 0 seconds travel time in the unincorporated districts of Wake County, 90 percent of the time.

The first arriving crew will be capable of proving Basic Life Support (BLS) care to include the use of an Automatic External Defibrillator (AED), establishing incident command, and document all needed information.

The ERF for high risk medical calls will be capable of establishing triage and providing additional patient care.

*Note that motor vehicle crashes with injuries is part of the medical risk when only dealing with injured patients. Motor vehicle crashes can involve technical rescue and hazmat risks and are evaluated in those sections.

Technical Rescue

The first arriving apparatus for all Technical Rescue (TR) risk classifications responding emergency traffic with a minimum of three (3) firefighters should be 7 minutes 0 seconds in the unincorporated districts of Wake County, 90 percent of the time.

The first arriving apparatus will be capable of establishing incident command procedures, proving initial size-up report; requesting additional resources if needed; creating a safe area, providing basic stabilization and extrication.

The ERF for moderate and high-risk calls will establish rescue operation groups and/or assist technical rescue teams.

Hazmat

The first arriving apparatus for all Hazmat risk classifications responding emergency traffic with a minimum of three (3) firefighters should be 7 minutes 0 seconds in the unincorporated districts Wake County, 90 percent of the time.

The first arriving apparatus will be capable of proving 500 gallons of water with a pumping capability of 1,250 gallons per minute; establishing incident command procedures, proving initial size-up report; requesting additional resources if needed; mitigate situation if possible; start initial evacuations.

The ERF for moderate and high-risk calls will establish mitigation/containment groups, provide additional evacuation groups, and/or assist hazmat teams.

Plan and Recommendations

Plan

1. Monitor response times annually to determine any gaps for first arriving apparatus response time goals (Distribution of Fire Stations).
2. Monitor response times annually on all structure fires for all arriving apparatus to determine any gaps in response times for the effective response force time goals (Concentration of Fire Stations).
3. Conduct risk assessments every 5 years.
4. Conduct critical task analysis every 5 years.

Recommendations

- 1) Wake County Commissioners should adopt the standard of response performance objectives for Fire, EMS, Hazmat, and Technical Rescue outlined in this study for the unincorporated areas of Wake County.
- 2) Individual fire districts should meet the standard of response performance. If not, Wake County Fire Services staff will evaluate the individual district to determine where the gaps are and provide recommendations to close the gaps.
- 3) The recommended effective response force (ERF) for structure fires did not include tankers. Tankers are an important part of a structure fire response in the rural areas where hydrants are not available. Tankers were not included in the ERF because these apparatus are not staffed and most rely on volunteers to respond from home to get tankers enroute to a fire, which account for a longer than normal response time. It was not easy to determine through the travel time evaluation the effectiveness of tanker responses in Wake County. A tanker response evaluation is recommended to determine if the county has a problem with getting tankers to fires and if so, provide recommendation to solve it. Wake County Fire Services has agreed to study tanker responses moving forward and provide information for a recommendation.
- 4) Call Processing plays a part in total response time, however, this study and recommendation only focused on travel time (station locations). It is recommended that a call processing time is evaluated, and recommendations are provided.
- 5) Turn out time plays a part in total response time, however, this study and recommendation only focused on travel time (station location). It is recommended that turn out time is evaluated, and time recommendations are provided.

Appendix 1

Risk Assessments per Rural District

| Apex Sta. 1 | | 2015 | 2016 | 2017 | 2018 | Total |
|--|--|------|------|------|------|--------------|
| Total number of calls for service | | 36 | 37 | 38 | 37 | 148 |
| Fire | | 2015 | 2016 | 2017 | 2018 | Risk Average |
| Electrical/Odor Investigation | | 0 | 0 | 1 | 0 | 4.9 |
| Woods/Trash/Grass | | 2 | 2 | 4 | 3 | 4.9 |
| Vehicle Fires | | 1 | 1 | 0 | 0 | 4.9 |
| Fire Alarms | | 0 | 1 | 5 | 3 | 4.9 |
| Chimney | | 0 | 0 | 0 | 0 | 19.8 |
| Cooking-Contained | | 0 | 0 | 0 | 0 | 19.8 |
| Structure less 5000 | | 1 | 0 | 0 | 0 | 25.92 |
| Structure 5K-10K | | 0 | 0 | 0 | 0 | 31.27 |
| Structure greater 10K | | 0 | 0 | 0 | 0 | 48 |
| Haz Mat | | 2015 | 2016 | 2017 | 2018 | Risk Average |
| Investigations/Odor | | 0 | 1 | 0 | 1 | 4.9 |
| Small Fuel Spill | | 0 | 0 | 0 | 0 | 4.9 |
| Large Fuel Spill | | 0 | 0 | 0 | 0 | 13.86 |
| CO Incident | | 0 | 0 | 0 | 0 | 13.86 |
| LP/Natural Gas Leak | | 0 | 0 | 0 | 0 | 13.86 |
| Haz Mat Release | | 0 | 0 | 0 | 0 | 28.14 |
| EMS | | 2015 | 2016 | 2017 | 2018 | Risk Average |
| Walk In | | 0 | 0 | 0 | 0 | 8.49 |
| Medical Call | | 19 | 19 | 14 | 13 | 13.86 |
| MVA Less than 6 | | 6 | 7 | 8 | 7 | 19.6 |
| MVA Greater than 6 | | 0 | 0 | 0 | 0 | 28.14 |
| Tech Rescue | | 2015 | 2016 | 2017 | 2018 | Average |
| Lock In | | 0 | 0 | 0 | 0 | 4.9 |
| Elevator | | 0 | 0 | 0 | 0 | 4.9 |
| VMR Extrication | | 0 | 0 | 0 | 1 | 13.86 |
| Confined Space/Trench/Swift water/High angle | | 0 | 0 | 0 | 0 | 28.14 |

Apex Sta. 2

Total number of calls for service

2015
173

2016
168

2017
150

2018
106

Total
597

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 6 | 8.49 | 3 | 4.49 | 4 | 4.49 | 2 | 4.49 | 5.49 |
| Woods/Trash/Grass | 12 | 8.49 | 7 | 8.49 | 14 | 8.49 | 9 | 8.49 | 8.49 |
| Vehicle Fires | 4 | 4.49 | 1 | 4.49 | 3 | 4.49 | 3 | 4.49 | 4.49 |
| Fire Alarms | 8 | 8.49 | 10 | 8.49 | 5 | 8.49 | 4 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 1 | 19.8 | 0 | 19.8 | 1 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 0 | 25.92 | 1 | 25.92 | 1 | 25.92 | 0 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 2 | 4.9 | 4.9 |
| Small Fuel Spill | 1 | 4.9 | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 1 | 13.86 | 0 | 13.86 | 2 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 92 | 19.8 | 86 | 19.8 | 67 | 19.8 | 55 | 19.8 | 19.8 |
| MVA Less than 6 | 24 | 19.6 | 27 | 19.6 | 27 | 19.6 | 16 | 19.6 | 19.6 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 1 | 28.14 | 0 | 28.14 | 1 | 28.14 | 28.14 |

Apex Sta. 3

Total number of calls for service

2015
79

2016
80

2017
26

2018
17

Total
202

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 3 | 4.49 | 2 | 4.49 | 1 | 4.49 | 2 | 4.49 | 4.49 |
| Woods/Trash/Grass | 5 | 8.49 | 6 | 8.49 | 6 | 8.49 | 4 | 4.49 | 7.49 |
| Vehicle Fires | 1 | 4.49 | 1 | 4.49 | 1 | 4.49 | 0 | 4.49 | 4.49 |
| Fire Alarms | 6 | 8.49 | 8 | 8.49 | 2 | 4.49 | 0 | 4.49 | 6.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 0 | 25.92 | 2 | 25.92 | 1 | 25.92 | 0 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 0 | 4.9 | 1 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Small Fuel Spill | 1 | 4.9 | 1 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 2 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 33 | 19.8 | 31 | 13.86 | 9 | 13.86 | 4 | 8.49 | 14.0025 |
| MVA Less than 6 | 12 | 19.6 | 12 | 19.6 | 1 | 13.86 | 2 | 13.86 | 16.73 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Apex Sta. 4

Total number of calls for service

2015
46**2016**
44**2017**
44**2018**
45**Total**
179

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 4.49 |
| Woods/Trash/Grass | 6 | 8.49 | 2 | 4.49 | 6 | 8.49 | 3 | 4.49 | 6.49 |
| Vehicle Fires | 0 | 4.49 | 2 | 4.49 | 2 | 4.49 | 1 | 4.49 | 4.49 |
| Fire Alarms | 1 | 4.49 | 1 | 4.49 | 0 | 4.49 | 1 | 4.49 | 4.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 0 | 19.8 | 1 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 0 | 25.92 | 0 | 25.92 | 1 | 25.92 | 3 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 1 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 15 | 13.86 | 15 | 13.86 | 10 | 13.86 | 15 | 13.86 | 13.86 |
| MVA Less than 6 | 13 | 19.6 | 13 | 19.6 | 12 | 19.6 | 12 | 19.6 | 19.6 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 1 | 13.86 | 0 | 13.86 | 0 | 13.86 | 1 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Apex Sta. 5

Total number of calls for service

2015

2016

2017

2018

Total

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|------|------|------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | | | | | 2 | 4.49 | 8 | 8.49 | 6.49 |
| Woods/Trash/Grass | | | | | 6 | 8.49 | 8 | 8.49 | 8.49 |
| Vehicle Fires | | | | | 0 | 4.49 | 2 | 4.49 | 4.49 |
| Fire Alarms | | | | | 8 | 8.49 | 9 | 8.49 | 8.49 |
| Chimney | | | | | 0 | 19.8 | 1 | 19.8 | 19.80 |
| Cooking-Contained | | | | | 1 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | | | | | 1 | 25.92 | 5 | 33.94 | 29.93 |
| Structure 5K-10K | | | | | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | | | | | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|------|------|------|------|-------|------|-------|--------------|
| Investigations/Odor | | | | | 0 | 4.9 | 2 | 4.9 | 4.9 |
| Small Fuel Spill | | | | | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | | | | | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | | | | | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | | | | | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | | | | | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|------|------|------|------|-------|------|-------|--------------|
| Walk In | | | | | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | | | | | 31 | 13.86 | 48 | 19.8 | 16.83 |
| MVA Less than 6 | | | | | 10 | 19.6 | 15 | 19.6 | 19.6 |
| MVA Greater than 6 | | | | | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|------|------|------|------|-------|------|-------|---------|
| Lock In | | | | | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | | | | | | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | | | | | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | | | | | 0 | 28.14 | 1 | 28.14 | 28.14 |

Cary Suburban
Total number of calls for service

2015 20 **2016** 17 **2017** 21 **2018** 20 **Total** 78

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 1 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Woods/Trash/Grass | 1 | 4.9 | 0 | 4.9 | 2 | 4.9 | 2 | 4.9 | 4.90 |
| Vehicle Fires | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Fire Alarms | 5 | 8.49 | 0 | 4.9 | 2 | 4.9 | 2 | 4.9 | 5.80 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 0 | 25.92 | 0 | 25.92 | 0 | 25.92 | 0 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Small Fuel Spill | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 13 | 13.86 | 13 | 13.86 | 14 | 13.86 | 15 | 13.86 | 13.86 |
| MVA Less than 6 | 0 | 13.86 | 1 | 13.86 | 1 | 13.86 | 1 | 13.86 | 13.86 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 1 | 28.14 | 0 | 28.14 | 28.14 |

Durham Hwy
Total number of calls for service

2015 356 **2016** 355 **2017** 407 **2018** 367 **Total** 1485

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 6 | 8.49 | 7 | 8.49 | 6 | 8.49 | 9 | 8.49 | 8.49 |
| Woods/Trash/Grass | 18 | 8.49 | 19 | 8.49 | 20 | 8.49 | 7 | 8.49 | 8.49 |
| Vehicle Fires | 6 | 8.49 | 6 | 8.49 | 5 | 8.49 | 5 | 8.49 | 8.49 |
| Fire Alarms | 35 | 12.33 | 25 | 8.49 | 40 | 12.33 | 37 | 12.33 | 11.37 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 2 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 1 | 19.8 | 5 | 26.53 | 0 | 19.8 | 21.48 |
| Structure less 5000 | 2 | 25.92 | 1 | 25.92 | 4 | 25.92 | 4 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 3 | 4.9 | 1 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 1 | 4.9 | 1 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 1 | 13.86 | 0 | 13.86 | 1 | 13.86 | 2 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 5 | 19.6 | 5 | 19.6 | 7 | 19.6 | 2 | 13.86 | 18.165 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 160 | 19.8 | 133 | 19.8 | 183 | 19.8 | 147 | 19.8 | 19.8 |
| MVA Less than 6 | 62 | 19.6 | 59 | 19.6 | 57 | 19.6 | 61 | 19.6 | 19.6 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 0 | 4.9 | 3 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 2 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Eastern Wake Sta. 1
Total number of calls for service

2015 889 **2016** 1041 **2017** 922 **2018** 917 **Total** 3769

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 21 | 8.9 | 34 | 12.33 | 14 | 8.9 | 19 | 8.9 | 9.76 |
| Woods/Trash/Grass | 34 | 12.33 | 37 | 12.33 | 31 | 12.33 | 34 | 12.33 | 12.33 |
| Vehicle Fires | 5 | 8.49 | 19 | 8.49 | 4 | 4.9 | 13 | 8.49 | 7.59 |
| Fire Alarms | 41 | 12.33 | 27 | 12.33 | 37 | 12.33 | 31 | 12.33 | 12.33 |
| Chimney | 2 | 19.8 | 0 | 19.8 | 1 | 19.8 | 1 | 19.8 | 19.80 |
| Cooking-Contained | 1 | 19.8 | 4 | 19.8 | 3 | 19.8 | 6 | 26.53 | 21.48 |
| Structure less 5000 | 14 | 33.94 | 11 | 33.94 | 6 | 33.94 | 4 | 25.92 | 31.94 |
| Structure 5K-10K | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 36.77 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 10 | 8.49 | 15 | 8.49 | 8 | 8.49 | 4 | 8.49 | 8.49 |
| Small Fuel Spill | 0 | 4.9 | 2 | 4.9 | 0 | 4.9 | 4 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 2 | 13.86 | 4 | 13.86 | 3 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 1 | 13.86 | 1 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Medical Call | 474 | 25.92 | 527 | 25.92 | 539 | 25.92 | 507 | 25.92 | 25.92 |
| MVA Less than 6 | 120 | 26.53 | 127 | 26.53 | 122 | 26.53 | 126 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 1 | 13.86 | 2 | 13.86 | 1 | 13.86 | 1 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Eastern Wake Sta. 2

2015
239

2016
263

2017
373

2018
389

Total
1264

Total number of calls for service

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical Odor Investigation | 7 | 8.49 | 5 | 8.49 | 3 | 4.9 | 6 | 8.49 | 7.59 |
| Woods/Trash/Grass | 9 | 8.49 | 15 | 8.49 | 12 | 8.49 | 17 | 8.49 | 8.49 |
| Vehicle Fires | 4 | 4.9 | 2 | 4.9 | 4 | 4.9 | 8 | 8.49 | 5.80 |
| Fire Alarms | 11 | 8.49 | 5 | 8.49 | 15 | 8.49 | 10 | 8.49 | 8.49 |
| Chimney | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 1 | 19.8 | 19.80 |
| Cooking-Contained | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 1 | 19.8 | 19.80 |
| Structure less 5000 | 2 | 25.92 | 2 | 25.92 | 5 | 33.94 | 6 | 33.94 | 29.93 |
| Structure 5K-10K | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 36.77 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 3 | 4.9 | 3 | 4.9 | 0 | 4.9 | 2 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 2 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 2 | 13.86 | 1 | 13.86 | 0 | 13.86 | 2 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 1 | 13.86 | 2 | 13.86 | 1 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Medical Call | 137 | 19.8 | 147 | 19.8 | 194 | 19.8 | 205 | 19.8 | 19.8 |
| MVA Less than 6 | 25 | 19.6 | 35 | 26.53 | 62 | 26.53 | 55 | 26.53 | 24.7975 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Fairview Sta. 1 (20)
Total number of calls for service

2015 471 **2016** 497 **2017** 421 **2018** 439 **Total** 1828

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 8 | 8.49 | 11 | 8.49 | 2 | 4.9 | 8 | 8.49 | 7.59 |
| Woods/Trash/Grass | 11 | 8.49 | 14 | 8.49 | 8 | 8.49 | 10 | 8.49 | 8.49 |
| Vehicle Fires | 2 | 4.9 | 4 | 4.9 | 5 | 8.49 | 0 | 4.9 | 5.80 |
| Fire Alarms | 35 | 12.33 | 44 | 12.33 | 33 | 12.33 | 45 | 12.33 | 12.33 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 2 | 19.8 | 3 | 19.8 | 2 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 4 | 25.92 | 5 | 33.94 | 5 | 33.94 | 4 | 25.92 | 29.93 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 7 | 8.49 | 6 | 8.49 | 1 | 4.9 | 2 | 4.9 | 6.695 |
| Small Fuel Spill | 2 | 4.9 | 1 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 2 | 13.86 | 4 | 13.86 | 3 | 13.86 | 4 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 250 | 19.8 | 218 | 19.8 | 231 | 19.8 | 209 | 19.8 | 19.8 |
| MVA Less than 6 | 57 | 26.53 | 57 | 26.53 | 50 | 26.53 | 46 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 1 | 4.9 | 2 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 2 | 13.86 | 0 | 13.86 | 3 | 13.86 | 2 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 3 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Fairview Sta. 2 (34)

Total number of calls for service

2015 502 **2016** 662 **2017** 613 **2018** 619 **Total** 2396

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 11 | 8.49 | 17 | 8.49 | 4 | 4.9 | 5 | 8.49 | 7.59 |
| Woods/Trash/Grass | 7 | 8.49 | 10 | 8.49 | 17 | 8.49 | 13 | 8.49 | 8.49 |
| Vehicle Fires | 8 | 8.49 | 2 | 4.9 | 4 | 4.9 | 4 | 4.9 | 5.80 |
| Fire Alarms | 35 | 12.33 | 42 | 12.33 | 32 | 12.33 | 48 | 12.33 | 12.33 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 1 | 19.8 | 0 | 19.8 | 4 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 0 | 25.92 | 7 | 33.94 | 9 | 33.94 | 4 | 25.92 | 29.93 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 1 | 4.9 | 2 | 4.9 | 0 | 4.9 | 2 | 4.9 | 4.9 |
| Small Fuel Spill | 1 | 4.9 | 1 | 4.9 | 1 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 2 | 13.86 | 1 | 13.86 | 2 | 13.86 | 1 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMIS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 316 | 19.8 | 360 | 19.8 | 367 | 25.92 | 345 | 19.8 | 21.33 |
| MVA Less than 6 | 52 | 26.53 | 87 | 26.53 | 74 | 26.53 | 78 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 1 | 4.9 | 1 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 2 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 1 | 28.14 | 28.14 |

Fuquay Sta. 1
Total number of calls for service

2015 284 **2016** 306 **2017** 275 **2018** 234 **Total** 1099

| Fire | | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | | 8 | 8.49 | 17 | 8.49 | 4 | 8.49 | 13 | 8.49 | 8.49 |
| Woods/Trash/Grass | | 18 | 8.49 | 22 | 8.49 | 19 | 8.49 | 18 | 8.49 | 8.49 |
| Vehicle Fires | | 3 | 4.9 | 1 | 4.9 | 4 | 4.9 | 1 | 4.9 | 4.90 |
| Fire Alarms | | 11 | 8.49 | 24 | 8.49 | 33 | 12.33 | 27 | 8.49 | 9.45 |
| Chimney | | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | | 3 | 19.8 | 2 | 19.8 | 2 | 19.8 | 2 | 19.8 | 19.80 |
| Structure less 5000 | | 2 | 25.92 | 7 | 33.94 | 7 | 33.94 | 2 | 25.92 | 29.93 |
| Structure 5K-10K | | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | | 5 | 8.49 | 1 | 4.9 | 2 | 4.9 | 2 | 4.9 | 5.7975 |
| Small Fuel Spill | | 0 | 4.9 | 1 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | | 0 | 13.86 | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | | 0 | 13.86 | 1 | 13.86 | 2 | 13.86 | 3 | 13.86 | 13.86 |
| Haz Mat Release | | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | | 184 | 19.8 | 179 | 19.8 | 149 | 19.8 | 126 | 19.8 | 19.8 |
| MVA Less than 6 | | 36 | 26.53 | 34 | 26.53 | 34 | 26.53 | 25 | 19.6 | 24.7975 |
| MVA Greater than 6 | | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | | 2 | 4.9 | 3 | 4.9 | 4 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | | 0 | 13.86 | 0 | 13.86 | 2 | 13.86 | 2 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | | 0 | 28.14 | 1 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Fuquay Sta. 2

Total number of calls for service

2015 464 2016 564 2017 499 2018 528 Total 2055

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 22 | 8.49 | 34 | 12.33 | 16 | 8.49 | 23 | 8.49 | 9.45 |
| Woods/Trash/Grass | 24 | 8.49 | 25 | 8.49 | 34 | 12.33 | 22 | 8.49 | 9.45 |
| Vehicle Fires | 2 | 4.9 | 5 | 8.49 | 3 | 4.9 | 1 | 4.9 | 5.80 |
| Fire Alarms | 41 | 12.33 | 45 | 12.33 | 39 | 12.33 | 46 | 12.33 | 12.33 |
| Chimney | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 1 | 19.8 | 19.80 |
| Cooking-Contained | 4 | 19.8 | 3 | 19.8 | 1 | 19.8 | 4 | 19.8 | 19.80 |
| Structure less 5000 | 3 | 25.92 | 6 | 33.94 | 4 | 25.92 | 6 | 33.94 | 29.93 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 2 | 4.9 | 4 | 4.9 | 1 | 4.9 | 4 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 2 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 1 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 4 | 13.86 | 1 | 13.86 | 3 | 13.86 | 13.86 |
| Haz Mat Release | 1 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 307 | 19.8 | 351 | 19.8 | 311 | 19.8 | 326 | 19.8 | 19.8 |
| MVA Less than 6 | 43 | 26.53 | 57 | 26.53 | 63 | 26.53 | 63 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 3 | 4.9 | 3 | 4.9 | 4 | 4.9 | 2 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 1 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 1 | 28.14 | 0 | 28.14 | 2 | 28.14 | 28.14 |

Fuquay Sta. 3

Total number of calls for service

2015 469 2016 564 2017 500 2018 509 Total 2042

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 11 | 8.49 | 30 | 8.49 | 7 | 8.49 | 20 | 8.49 | 8.49 |
| Woods/Trash/Grass | 19 | 8.49 | 23 | 8.49 | 29 | 8.49 | 19 | 8.49 | 8.49 |
| Vehicle Fires | 6 | 8.49 | 3 | 4.9 | 3 | 4.9 | 3 | 4.9 | 5.80 |
| Fire Alarms | 20 | 8.49 | 31 | 8.49 | 23 | 8.49 | 26 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 3 | 19.8 | 1 | 19.8 | 3 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 4 | 25.92 | 7 | 33.94 | 7 | 33.94 | 3 | 25.92 | 29.93 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 2 | 4.9 | 1 | 4.9 | 2 | 4.9 | 4 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 1 | 4.9 | 1 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 10 | 13.86 | 3 | 13.86 | 0 | 13.86 | 2 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 340 | 19.8 | 389 | 25.92 | 357 | 19.8 | 362 | 19.8 | 21.33 |
| MVA Less than 6 | 46 | 26.53 | 48 | 26.53 | 47 | 26.53 | 47 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 4 | 4.9 | 1 | 4.9 | 2 | 4.9 | 2 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 3 | 13.86 | 0 | 13.86 | 8 | 19.6 | 1 | 13.86 | 15.295 |
| Confined Space/Trench/Swift water/High angle | 1 | 28.14 | 4 | 28.14 | 2 | 28.14 | 0 | 28.14 | 28.14 |

Garner Sta. 1

Total number of calls for service

2015 166 **2016** 225 **2017** 228 **2018** 296 **Total** 915

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 0 | 4.49 | 1 | 4.49 | 1 | 4.49 | 3 | 4.49 | 4.49 |
| Woods/Trash/Grass | 3 | 4.49 | 7 | 8.49 | 11 | 8.49 | 7 | 8.49 | 7.49 |
| Vehicle Fires | 4 | 4.49 | 5 | 8.49 | 3 | 4.49 | 7 | 8.49 | 6.49 |
| Fire Alarms | 5 | 8.49 | 9 | 8.49 | 14 | 8.49 | 12 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 1 | 19.8 | 1 | 19.8 | 1 | 19.8 | 19.80 |
| Structure less 5000 | 2 | 25.92 | 0 | 25.92 | 2 | 25.92 | 3 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 2 | 4.49 | 0 | 4.49 | 2 | 4.49 | 1 | 4.49 | 4.49 |
| Small Fuel Spill | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 4.49 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 1 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 2 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 71 | 19.8 | 61 | 19.8 | 51 | 19.8 | 86 | 19.8 | 19.8 |
| MVA Less than 6 | 36 | 26.53 | 52 | 26.53 | 54 | 26.53 | 64 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 4.49 |
| Elevator | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 4.49 |
| VMR Extrication | 2 | 13.86 | 2 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Garner Sta. 2

Total number of calls for service

2015
826

2016
884

2017
732

2018
745

Total
3187

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 16 | 8.49 | 20 | 8.49 | 12 | 8.49 | 7 | 8.49 | 8.49 |
| Woods/Trash/Grass | 26 | 8.49 | 26 | 8.49 | 25 | 8.49 | 29 | 8.49 | 8.49 |
| Vehicle Fires | 5 | 8.49 | 4 | 4.49 | 4 | 4.49 | 7 | 8.49 | 6.49 |
| Fire Alarms | 66 | 12.33 | 53 | 12.33 | 65 | 12.33 | 71 | 12.33 | 12.33 |
| Chimney | 1 | 19.8 | 1 | 19.8 | 1 | 19.8 | 1 | 19.8 | 19.80 |
| Cooking-Contained | 4 | 19.8 | 4 | 19.8 | 2 | 19.8 | 1 | 19.8 | 19.80 |
| Structure less 5000 | 13 | 33.94 | 10 | 33.94 | 4 | 25.92 | 3 | 25.92 | 29.93 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 6 | 8.49 | 4 | 4.49 | 2 | 4.49 | 9 | 8.49 | 6.49 |
| Small Fuel Spill | 0 | 4.49 | 0 | 4.49 | 1 | 4.49 | 0 | 4.49 | 4.49 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 2 | 13.86 | 0 | 13.86 | 2 | 13.86 | 1 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 1 | 13.86 | 3 | 13.86 | 4 | 13.86 | 2 | 13.86 | 13.86 |
| Haz Mat Release | 1 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 305 | 19.8 | 363 | 19.8 | 249 | 19.8 | 245 | 19.8 | 19.8 |
| MVA Less than 6 | 62 | 26.53 | 86 | 26.53 | 66 | 26.53 | 71 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 2 | 4.49 | 1 | 4.49 | 1 | 4.49 | 0 | 4.49 | 4.49 |
| Elevator | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 4.49 |
| VMR Extrication | 3 | 13.86 | 0 | 13.86 | 4 | 13.86 | 5 | 19.6 | 15.295 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 4 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Garner Sta. 3

Total number of calls for service

2015 308 2016 391 2017 368 2018 410 Total 1477

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 5 | 8.49 | 6 | 8.49 | 7 | 8.49 | 7 | 8.49 | 8.49 |
| Woods/Trash/Grass | 7 | 8.49 | 13 | 8.49 | 11 | 8.49 | 11 | 8.49 | 8.49 |
| Vehicle Fires | 2 | 4.49 | 5 | 8.49 | 3 | 4.49 | 3 | 4.49 | 5.49 |
| Fire Alarms | 14 | 8.49 | 22 | 8.49 | 23 | 8.49 | 22 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 2 | 19.8 | 2 | 19.8 | 6 | 26.53 | 21.48 |
| Structure less 5000 | 0 | 25.92 | 2 | 25.92 | 2 | 25.92 | 3 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 3 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 1 | 4.49 | 2 | 4.49 | 5 | 8.49 | 2 | 4.49 | 5.49 |
| Small Fuel Spill | 2 | 4.49 | 3 | 4.49 | 2 | 4.49 | 0 | 4.49 | 4.49 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 2 | 13.86 | 4 | 13.86 | 4 | 13.86 | 1 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 0 | 13.86 | 2 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 1 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 144 | 19.8 | 166 | 19.8 | 141 | 19.8 | 174 | 19.8 | 19.8 |
| MVA Less than 6 | 20 | 19.8 | 38 | 26.53 | 38 | 26.53 | 48 | 26.53 | 24.8475 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.49 | 1 | 4.49 | 1 | 4.49 | 0 | 4.49 | 4.49 |
| Elevator | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 4.49 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Garner Sta. 4

Total number of calls for service

2015 497 2016 604 2017 567 2018 553 Total 2221

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 7 | 8.49 | 13 | 8.49 | 4 | 4.49 | 9 | 8.49 | 7.49 |
| Woods/Trash/Grass | 20 | 8.49 | 17 | 8.49 | 28 | 8.49 | 28 | 8.49 | 8.49 |
| Vehicle Fires | 5 | 8.49 | 12 | 8.49 | 7 | 8.49 | 7 | 8.49 | 8.49 |
| Fire Alarms | 28 | 8.49 | 27 | 8.49 | 19 | 8.49 | 20 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 2 | 19.8 | 19.80 |
| Structure less 5000 | 7 | 33.94 | 2 | 25.92 | 5 | 33.94 | 5 | 33.94 | 31.94 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 4 | 4.49 | 2 | 4.49 | 6 | 8.49 | 2 | 4.49 | 5.49 |
| Small Fuel Spill | 3 | 4.49 | 1 | 4.49 | 1 | 4.49 | 0 | 4.49 | 4.49 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 1 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 3 | 13.86 | 1 | 13.86 | 1 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 189 | 19.8 | 210 | 19.8 | 195 | 19.8 | 191 | 19.8 | 19.8 |
| MVA Less than 6 | 75 | 26.53 | 118 | 26.53 | 102 | 26.53 | 106 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 0 | 4.49 | 1 | 4.49 | 0 | 4.49 | 1 | 4.49 | 4.49 |
| Elevator | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 4.49 |
| VMR Extrication | 1 | 13.86 | 2 | 13.86 | 1 | 13.86 | 1 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 1 | 28.14 | 28.14 |

Holly Springs Sta. 1

Total number of calls for service

2015 N/A 2016 110 2017 61 2018 73 Total 244

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | | | 3 | 4.9 | 0 | 4.9 | 2 | 4.9 | 4.90 |
| Woods/Trash/Grass | | | 2 | 4.9 | 5 | 8.49 | 1 | 4.9 | 6.10 |
| Vehicle Fires | | | 1 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Fire Alarms | | | 10 | 8.49 | 5 | 8.49 | 4 | 4.9 | 7.29 |
| Chimney | | | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | | | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | | | 2 | 25.92 | 0 | 25.92 | 1 | 25.92 | 25.92 |
| Structure 5K-10K | | | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | | | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | | | 1 | 4.9 | 1 | 4.9 | 0 | 4.9 | 4.9 |
| Small Fuel Spill | | | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | | | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | | | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | | | 0 | 13.86 | 0 | 13.86 | 1 | 13.86 | 13.86 |
| Haz Mat Release | | | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|------|------|-------|------|-------|------|-------|--------------|
| Walk In | | | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | | | 52 | 19.8 | 35 | 19.8 | 44 | 19.8 | 19.8 |
| MVA Less than 6 | | | 13 | 19.6 | 8 | 19.6 | 5 | 19.6 | 19.6 |
| MVA Greater than 6 | | | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|------|------|-------|------|-------|------|-------|---------|
| Lock In | | | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | | | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | | | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | | | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Holly Springs Sta. 2

Total number of calls for service

2015
N/A

2016
230

2017
221

2018
201

Total
652

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | | | 7 | 8.49 | 6 | 8.49 | 6 | 8.49 | 8.49 |
| Woods/Trash/Grass | | | 8 | 8.49 | 19 | 8.49 | 16 | 8.49 | 8.49 |
| Vehicle Fires | | | 1 | 4.9 | 5 | 8.49 | 1 | 4.9 | 6.10 |
| Fire Alarms | | | 7 | 8.49 | 8 | 8.49 | 9 | 8.49 | 8.49 |
| Chimney | | | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | | | 1 | 19.8 | 0 | 19.8 | 1 | 19.8 | 19.80 |
| Structure less 5000 | | | 3 | 25.92 | 2 | 25.92 | 1 | 25.92 | 25.92 |
| Structure 5K-10K | | | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | | | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | | | 0 | 4.9 | 1 | 4.9 | 0 | 4.9 | 4.9 |
| Small Fuel Spill | | | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | | | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | | | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | | | 2 | 13.86 | 2 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | | | 0 | 28.14 | 0 | 28.14 | 1 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|------|------|-------|------|-------|------|-------|--------------|
| Walk In | | | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | | | 129 | 19.8 | 104 | 19.8 | 98 | 19.8 | 19.8 |
| MVA Less than 6 | | | 22 | 19.6 | 27 | 19.6 | 29 | 19.6 | 19.6 |
| MVA Greater than 6 | | | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|------|------|-------|------|-------|------|-------|---------|
| Lock In | | | 1 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.9 |
| Elevator | | | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | | | 1 | 13.86 | 0 | 13.86 | 1 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | | | 3 | 28.14 | 2 | 28.14 | 1 | 28.14 | 28.14 |

Holly Springs Sta. 3

Total number of calls for service

| | 2015 | 2016 | 2017 | 2018 | Total |
|-------------------------------|------|------|------|------|-------|
| | N/A | 15 | 6 | 6 | 27 |
| Fire | | | | | |
| Electrical/Odor Investigation | | 2 | 0 | 3 | 4.90 |
| Woods/Trash/Grass | | 3 | 2 | 0 | 4.90 |
| Vehicle Fires | | 0 | 0 | 0 | 4.90 |
| Fire Alarms | | 0 | 0 | 0 | 4.90 |
| Chimney | | 0 | 1 | 0 | 19.80 |
| Cooking-Contained | | 0 | 0 | 1 | 19.80 |
| Structure less 5000 | | 0 | 0 | 0 | 25.92 |
| Structure 5K-10K | | 0 | 0 | 0 | 31.27 |
| Structure greater 10K | | 0 | 0 | 0 | 48.00 |

| | | | | | |
|---------------------|--|---|---|---|-------|
| Haz Mat | | | | | |
| Investigations/Odor | | 0 | 0 | 0 | 4.9 |
| Small Fuel Spill | | 0 | 0 | 0 | 4.9 |
| Large Fuel Spill | | 0 | 0 | 0 | 13.86 |
| CO Incident | | 0 | 0 | 0 | 13.86 |
| LP/Natural Gas Leak | | 0 | 0 | 0 | 13.86 |
| Haz Mat Release | | 0 | 0 | 0 | 28.14 |

| | | | | | |
|--------------------|--|---|---|---|-------|
| EMS | | | | | |
| Walk In | | 0 | 0 | 0 | 8.49 |
| Medical Call | | 4 | 0 | 0 | 8.49 |
| MVA Less than 6 | | 2 | 2 | 1 | 13.86 |
| MVA Greater than 6 | | 0 | 0 | 0 | 28.14 |

| | | | | | |
|--|--|---|---|---|-------|
| Tech Rescue | | | | | |
| Lock In | | 0 | 0 | 0 | 4.9 |
| Elevator | | 0 | 0 | 0 | 4.9 |
| VMR Extrication | | 0 | 0 | 0 | 13.86 |
| Confined Space/Trench/Swift water/High angle | | 0 | 0 | 0 | 28.14 |

Hopkins FD
Total number of calls for service

2015 354 **2016** 421 **2017** 378 **2018** 360 **Total** 1513

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 1 | 4.9 | 8 | 8.49 | 5 | 8.49 | 3 | 4.9 | 6.70 |
| Woods/Trash/Grass | 16 | 13.86 | 22 | 13.86 | 25 | 13.86 | 24 | 13.86 | 13.86 |
| Vehicle Fires | 2 | 4.9 | 3 | 4.9 | 1 | 4.9 | 7 | 8.49 | 5.80 |
| Fire Alarms | 13 | 8.49 | 8 | 8.49 | 9 | 8.49 | 13 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 2 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 6 | 33.94 | 11 | 33.94 | 4 | 25.92 | 5 | 33.94 | 31.94 |
| Structure 5K-10K | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 36.77 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 4.9 | | 4.9 | | 4.9 | | 4.9 | 4.9 |
| Medical Call | 216 | 19.8 | 236 | 19.8 | 241 | 19.8 | 207 | 19.8 | 19.8 |
| MVA Less than 6 | 35 | 26.53 | 42 | 26.53 | 28 | 26.53 | 47 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Morrisville Sta. 1

Total number of calls for service

2015
38

2016
38

2017
36

2018
31

Total
143

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 0 | 4.9 | 4 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Woods/Trash/Grass | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.90 |
| Vehicle Fires | 2 | 4.9 | 2 | 4.9 | 0 | 4.9 | 2 | 4.9 | 4.90 |
| Fire Alarms | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.90 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 0 | 25.92 | 0 | 25.92 | 0 | 25.92 | 0 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Small Fuel Spill | 2 | 4.9 | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.90 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 1 | 13.86 | 1 | 13.86 | 1 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 4 | 8.49 | 6 | 13.86 | 4 | 8.49 | 2 | 8.49 | 9.83 |
| MVA Less than 6 | 16 | 19.6 | 14 | 19.6 | 15 | 19.6 | 10 | 19.6 | 19.60 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 2 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 1 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Morrisville Sta. 2

Total number of calls for service

2015 112 **2016** 105 **2017** 127 **2018** 122 **Total** 466

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 0 | 4.9 | 2 | 4.9 | 1 | 4.9 | 1 | 4.9 | 4.90 |
| Woods/Trash/Grass | 1 | 4.9 | 1 | 4.9 | 3 | 4.9 | 2 | 4.9 | 4.90 |
| Vehicle Fires | 2 | 4.9 | 1 | 4.9 | 4 | 4.9 | 1 | 4.9 | 4.90 |
| Fire Alarms | 15 | 8.49 | 17 | 8.49 | 26 | 8.49 | 23 | 8.49 | 8.49 |
| Chimney | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 0 | 25.92 | 0 | 25.92 | 2 | 25.92 | 0 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Small Fuel Spill | 1 | 4.9 | 1 | 4.9 | 2 | 4.9 | 1 | 4.9 | 4.90 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 3 | 13.86 | 2 | 13.86 | 3 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 2 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 36 | 19.8 | 28 | 13.86 | 31 | 19.8 | 23 | 13.86 | 16.83 |
| MVA Less than 6 | 28 | 19.6 | 34 | 26.53 | 36 | 26.53 | 36 | 26.53 | 24.80 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 3 | 4.9 | 4.90 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Morrisville Sta. 3

Total number of calls for service

2015 100 2016 105 2017 102 2018 99 Total 406

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 3 | 4.9 | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.90 |
| Woods/Trash/Grass | 5 | 8.49 | 3 | 4.9 | 4 | 4.9 | 1 | 4.9 | 5.80 |
| Vehicle Fires | 3 | 4.9 | 2 | 4.9 | 2 | 4.9 | 3 | 4.9 | 4.90 |
| Fire Alarms | 9 | 8.49 | 7 | 8.49 | 8 | 8.49 | 13 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 0 | 25.92 | 2 | 25.92 | 0 | 25.92 | 0 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 1 | 4.9 | 2 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Small Fuel Spill | 2 | 4.9 | 0 | 4.9 | 2 | 4.9 | 1 | 4.9 | 4.90 |
| Large Fuel Spill | | 13.86 | | 13.86 | | 13.86 | | 13.86 | 13.86 |
| CO Incident | 3 | 13.86 | 2 | 13.86 | 0 | 13.86 | 2 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 27 | 13.86 | 39 | 19.8 | 27 | 13.86 | 22 | 13.86 | 15.35 |
| MVA Less than 6 | 14 | 19.6 | 17 | 19.6 | 19 | 19.6 | 18 | 19.6 | 19.60 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.90 |
| VMR Extrication | 0 | 13.86 | 2 | 13.86 | 0 | 13.86 | 1 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 1 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Northern Wake Sta. 1

Total number of calls for service

2015

2016

2017

2018

2019

Total

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|------|------|------|------|------|------|-------|--------------|
| Electrical/Odor Investigation | | | | | | | 12 | 8.49 | |
| Woods/Trash/Grass | | | | | | | 6 | 8.49 | |
| Vehicle Fires | | | | | | | 7 | 8.49 | |
| Fire Alarms | | | | | | | 91 | 12.33 | |
| Chimney | | | | | | | 0 | 19.8 | |
| Cooking-Contained | | | | | | | 1 | 19.8 | |
| Structure less 5000 | | | | | | | 0 | 25.92 | |
| Structure 5K-10K | | | | | | | 1 | 36.77 | |
| Structure greater 10K | | | | | | | 0 | 48 | |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|------|------|------|------|------|------|-------|--------------|
| Investigations/Odor | | | | | | | 1 | 4.9 | |
| Small Fuel Spill | | | | | | | 1 | 4.9 | |
| Large Fuel Spill | | | | | | | 0 | 13.86 | |
| CO Incident | | | | | | | 1 | 13.86 | |
| LP/Natural Gas Leak | | | | | | | 0 | 13.86 | |
| Haz Mat Release | | | | | | | 0 | 28.14 | |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|------|------|------|------|------|------|-------|--------------|
| Walk In | | | | | | | 0 | 8.49 | |
| Medical Call | | | | | | | 221 | 19.8 | |
| MVA Less than 6 | | | | | | | 54 | 25.53 | |
| MVA Greater than 6 | | | | | | | 0 | 28.14 | |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|------|------|------|------|------|------|-------|--------------|
| Lock In | | | | | | | 0 | 4.9 | |
| Elevator | | | | | | | 0 | 4.9 | |
| VMR Extrication | | | | | | | 4 | 13.86 | |
| Confined Space/Trench/Swift water/High angle | | | | | | | 2 | 28.14 | |

Northern Wake Sta. 2
Total number of calls for service

2015 2016 2017 2018 Total
186 186 186

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|------|------|------|------|------|------|-------|--------------|
| Electrical/Odor Investigation | | | | | | | 1 | 4.9 | |
| Woods/Trash/Grass | | | | | | | 8 | 8.49 | |
| Vehicle Fires | | | | | | | 3 | 4.9 | |
| Fire Alarms | | | | | | | 26 | 8.49 | |
| Chimney | | | | | | | 0 | 19.8 | |
| Cooking-Contained | | | | | | | 0 | 19.8 | |
| Structure less 5000 | | | | | | | 1 | 25.92 | |
| Structure 5K-10K | | | | | | | 0 | 36.77 | |
| Structure greater 10K | | | | | | | 0 | 48 | |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|------|------|------|------|------|------|-------|--------------|
| Investigations/Odor | | | | | | | 2 | 4.9 | |
| Small Fuel Spill | | | | | | | 0 | 4.9 | |
| Large Fuel Spill | | | | | | | 0 | 13.86 | |
| CO Incident | | | | | | | 0 | 13.86 | |
| LP/Natural Gas Leak | | | | | | | 1 | 13.86 | |
| Haz Mat Release | | | | | | | 0 | 28.14 | |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|------|------|------|------|------|------|-------|--------------|
| Walk In | | | | | | | 0 | 4.9 | |
| Medical Call | | | | | | | 84 | 19.8 | |
| MVA Less than 6 | | | | | | | 28 | 19.8 | |
| MVA Greater than 6 | | | | | | | 0 | 28.14 | |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|------|------|------|------|------|------|-------|--------------|
| Lock In | | | | | | | 0 | 4.9 | |
| Elevator | | | | | | | 0 | 4.9 | |
| VMR Extrication | | | | | | | 1 | 13.86 | |
| Confined Space/Trench/Swift water/High angle | | | | | | | 0 | 28.14 | |

Northern Wake Sta. 3

2015

2016

2017

2018

Total

Total number of calls for service

426

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|------|------|------|------|------|------|------|--------------|
| Electrical/Odor Investigation | | | | | | | | | |
| Woods/Trash/Grass | | | | | | | | | |
| Vehicle Fires | | | | | | | | | |
| Fire Alarms | | | | | | | | | |
| Chimney | | | | | | | | | |
| Cooking-Contained | | | | | | | | | |
| Structure less 5000 | | | | | | | | | |
| Structure 5K-10K | | | | | | | | | |
| Structure greater 10K | | | | | | | | | |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|------|------|------|------|------|------|------|--------------|
| Investigations/Odor | | | | | | | | | |
| Small Fuel Spill | | | | | | | | | |
| Large Fuel Spill | | | | | | | | | |
| CO Incident | | | | | | | | | |
| LP/Natural Gas Leak | | | | | | | | | |
| Haz Mat Release | | | | | | | | | |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|------|------|------|------|------|------|------|--------------|
| Walk In | | | | | | | | | |
| Medical Call | | | | | | | | | |
| MVA Less than 6 | | | | | | | | | |
| MVA Greater than 6 | | | | | | | | | |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-----------------------------------|------|------|------|------|------|------|------|------|--------------|
| Lock In | | | | | | | | | |
| Elevator | | | | | | | | | |
| VMR Extrication | | | | | | | | | |
| Confined Space/Trench/Swift water | | | | | | | | | |

Northern Wake Sta. 4

Total number of calls for service

| | 2015 | 2016 | 2017 | 2018 | Total |
|-------------------------------|-----------|-----------|-----------|------|--------------|
| Fire | | | | 161 | 161 |
| Electrical/Odor Investigation | 2015 Risk | 2016 Risk | 2017 Risk | 2018 | Risk Average |
| Woods/Trash/Grass | | | | 4 | 4.9 |
| Vehicle Fires | | | | 4 | 4.9 |
| Fire Alarms | | | | 3 | 4.9 |
| Chimney | | | | 16 | 8.49 |
| Cooking-Contained | | | | 0 | 19.8 |
| Structure less 5000 | | | | 1 | 19.8 |
| Structure 5K-10K | | | | 0 | 25.92 |
| Structure greater 10K | | | | 0 | 36.77 |
| | | | | 0 | 48 |

| | | | | | |
|---------------------|-----------|-----------|-----------|------|--------------|
| Haz Mat | 2015 Risk | 2016 Risk | 2017 Risk | 2018 | Risk Average |
| Investigations/Odor | | | | 1 | 4.9 |
| Small Fuel Spill | | | | 0 | 4.9 |
| Large Fuel Spill | | | | 0 | 13.86 |
| CO Incident | | | | 1 | 13.86 |
| LP/Natural Gas Leak | | | | 1 | 13.86 |
| Haz Mat Release | | | | 0 | 28.14 |

| | | | | | |
|--------------------|-----------|-----------|-----------|------|--------------|
| EMS | 2015 Risk | 2016 Risk | 2017 Risk | 2018 | Risk Average |
| Walk In | | | | 0 | 8.49 |
| Medical Call | | | | 65 | 19.8 |
| MVA Less than 6 | | | | 22 | 19.6 |
| MVA Greater than 6 | | | | 0 | 28.14 |

| | | | | | |
|-------------------------------------|-----------|-----------|-----------|------|--------------|
| Tech Rescue | 2015 Risk | 2016 Risk | 2017 Risk | 2018 | Risk Average |
| Lock In | | | | 0 | 4.9 |
| Elevator | | | | 0 | 4.9 |
| VMR Extrication | | | | 4 | 13.86 |
| Confined Space/Trench/Swift water/H | | | | 0 | 28.14 |

Northern Wake Sta. 5

Total number of calls for service

| | 2015 | 2016 | 2017 | 2018 | Total |
|-------------------------------|-----------|-----------|-----------|------|--------------|
| Fire | | | | 35 | 35 |
| Electrical/Odor Investigation | 2015 Risk | 2016 Risk | 2017 Risk | 2018 | Risk Average |
| Woods/Trash/Grass | | | | 0 | 4.9 |
| Vehicle Fires | | | | 0 | 4.9 |
| Fire Alarms | | | | 0 | 4.9 |
| Chimney | | | | 5 | 8.49 |
| Cooking-Contained | | | | 0 | 19.8 |
| Structure less 5000 | | | | 1 | 19.8 |
| Structure 5K-10K | | | | 0 | 25.92 |
| Structure greater 10K | | | | 1 | 36.77 |
| | | | | 0 | 48 |

| | | | | | | |
|---------------------|-----------|-----------|-----------|------|-------|--------------|
| Haz Mat | 2015 Risk | 2016 Risk | 2017 Risk | 2018 | Risk | Risk Average |
| Investigations/Odor | | | | 0 | 4.9 | |
| Small Fuel Spill | | | | 0 | 4.9 | |
| Large Fuel Spill | | | | 0 | 13.86 | |
| CO Incident | | | | 0 | 13.86 | |
| LP/Natural Gas Leak | | | | 0 | 13.86 | |
| Haz Mat Release | | | | 0 | 28.14 | |

| | | | | | | |
|--------------------|-----------|-----------|-----------|------|-------|--------------|
| EMS | 2015 Risk | 2016 Risk | 2017 Risk | 2018 | Risk | Risk Average |
| Walk In | | | | 0 | 8.49 | |
| Medical Call | | | | 14 | 13.86 | |
| MVA Less than 6 | | | | 0 | 13.86 | |
| MVA Greater than 6 | | | | 0 | 28.14 | |

| | | | | | | |
|--|-----------|-----------|-----------|------|-------|--------------|
| Tech Rescue | 2015 Risk | 2016 Risk | 2017 Risk | 2018 | Risk | Risk Average |
| Lock In | | | | 0 | 4.9 | |
| Elevator | | | | 0 | 4.9 | |
| VMR Extrication | | | | 0 | 13.86 | |
| Confined Space/Trench/Swift water/High | | | | 0 | 28.14 | |

Northern Wake Hook
Total number of calls for service

2018 64 **2019** 68 **2020** 85 **Total** 217

| Fire | 2018 | Risk | 2019 | Risk | 2020 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 0 | 4.9 | 2 | 4.9 | 0 | 4.9 | 4.90 |
| Woods/Trash/Grass | 2 | 4.9 | 2 | 4.9 | 7 | 8.49 | 6.10 |
| Vehicle Fires | 0 | 4.9 | 2 | 4.9 | 4 | 4.9 | 4.90 |
| Fire Alarms | 6 | 8.49 | 5 | 8.49 | 4 | 4.9 | 7.29 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 1 | 19.8 | 0 | 19.8 | 1 | 19.8 | 19.80 |
| Structure less 5000 | 0 | 25.92 | 2 | 25.92 | 1 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2018 | Risk | 2019 | Risk | 2020 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Small Fuel Spill | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2018 | Risk | 2019 | Risk | 2020 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 28 | 13.86 | 16 | 13.86 | 28 | 13.86 | 13.86 |
| MVA Less than 6 | 9 | 13.86 | 20 | 13.86 | 16 | 13.86 | 13.86 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2018 | Risk | 2019 | Risk | 2020 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| VMR Extrication | 2 | 13.86 | 2 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 4 | 28.14 | 6 | 34.99 | 30.42 |

Rolesville FD

Total number of calls for service

| 2015 | 2016 | 2017 | 2018 | Total |
|------|------|------|------|-------|
| 335 | 330 | 257 | 352 | 1274 |

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 9 | 8.49 | 10 | 8.49 | 7 | 8.49 | 6 | 8.49 | 8.49 |
| Woods/Trash/Grass | 15 | 8.49 | 21 | 8.49 | 18 | 8.49 | 18 | 8.49 | 8.49 |
| Vehicle Fires | 5 | 8.49 | 5 | 8.49 | 1 | 8.49 | 3 | 4.9 | 7.59 |
| Fire Alarms | 22 | 8.49 | 32 | 12.33 | 20 | 8.49 | 30 | 8.49 | 9.45 |
| Chimney | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 3 | 19.8 | 3 | 19.8 | 2 | 19.8 | 1 | 19.8 | 19.80 |
| Structure less 5000 | 4 | 25.92 | 8 | 33.94 | 7 | 33.94 | 5 | 33.94 | 31.94 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 4 | 4.9 | 0 | 4.9 | 4 | 4.9 | 2 | 4.9 | 4.90 |
| Small Fuel Spill | 0 | 4.9 | 1 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 1 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 0 | 13.86 | 2 | 13.86 | 1 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 177 | 19.8 | 137 | 19.8 | 101 | 19.8 | 163 | 19.8 | 19.80 |
| MVA Less than 6 | 54 | 26.53 | 53 | 26.53 | 43 | 26.53 | 57 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 2 | 4.9 | 0 | 4.9 | 1 | 4.9 | 0 | 4.9 | 4.90 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.90 |
| VMR Extrication | 1 | 13.86 | 4 | 13.86 | 1 | 13.86 | 4 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Swift Creek
Total number of calls for service

2015 299 **2016** 318 **2017** 317 **2018** 333 **Total** 1267

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical Odor Investigation | 8 | 8.49 | 5 | 8.49 | 5 | 8.49 | 12 | 8.49 | 8.49 |
| Woods/Trash/Grass | 7 | 8.49 | 17 | 8.49 | 21 | 8.49 | 9 | 8.49 | 8.49 |
| Vehicle Fires | 1 | 4.9 | 3 | 4.9 | 6 | 4.9 | 3 | 4.9 | 4.90 |
| Fire Alarms | 15 | 8.49 | 30 | 8.49 | 17 | 8.49 | 14 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 1 | 19.8 | 2 | 19.8 | 2 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 3 | 25.92 | 8 | 33.94 | 3 | 25.92 | 2 | 25.92 | 27.93 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 2 | 4.9 | 0 | 4.9 | 0 | 4.9 | 3 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 1 | 4.9 | 1 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 4 | 13.86 | 1 | 13.86 | 4 | 13.86 | 4 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 2 | 13.86 | 3 | 13.86 | 2 | 13.86 | 2 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 108 | 19.8 | 103 | 19.8 | 107 | 19.8 | 126 | 19.8 | 19.8 |
| MVA Less than 6 | 28 | 19.6 | 37 | 26.53 | 42 | 26.53 | 47 | 26.53 | 24.7975 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 3 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 1 | 13.86 | 0 | 13.86 | 0 | 13.86 | 2 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Wake Forest Sta. 1

Total number of calls for service

| 2015 | 2016 | 2017 | 2018 | Total |
|------|------|------|------|-------|
| 102 | 84 | 80 | 61 | 327 |

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 1 | 4.9 | 1 | 4.9 | 1 | 4.9 | 1 | 4.9 | 4.90 |
| Woods/Trash/Grass | 9 | 8.49 | 4 | 4.9 | 2 | 4.9 | 2 | 4.9 | 5.80 |
| Vehicle Fires | 1 | 4.9 | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.90 |
| Fire Alarms | 8 | 8.49 | 5 | 8.49 | 4 | 4.9 | 11 | 8.49 | 7.59 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 5 | 33.94 | 2 | 25.92 | 0 | 25.92 | 1 | 25.92 | 27.93 |
| Structure 5K-10K | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 36.77 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 1 | 4.9 | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 2 | 13.86 | 0 | 13.86 | 2 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Medical Call | 50 | 19.8 | 42 | 19.8 | 29 | 19.8 | 29 | 19.8 | 19.8 |
| MVA Less than 6 | 8 | 19.6 | 9 | 19.6 | 14 | 19.6 | 8 | 19.6 | 19.6 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 2 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Wake Forest Sta. 2

Total number of calls for service

2015
83

2016
104

2017
110

2018
78

Total
375

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 0 | 4.9 | 2 | 4.9 | 1 | 4.9 | 0 | 4.9 | 4.90 |
| Woods/Trash/Grass | 7 | 8.49 | 5 | 8.49 | 4 | 4.9 | 4 | 4.9 | 6.70 |
| Vehicle Fires | 0 | 4.9 | 3 | 4.9 | 2 | 4.9 | 1 | 4.9 | 4.90 |
| Fire Alarms | 5 | 8.49 | 5 | 8.49 | 15 | 8.49 | 4 | 4.9 | 7.59 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 0 | 25.92 | 0 | 25.92 | 1 | 25.92 | 3 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 36.77 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 0 | 4.9 | 2 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Medical Call | 38 | 19.8 | 38 | 19.8 | 45 | 19.8 | 33 | 19.8 | 19.8 |
| MVA Less than 6 | 19 | 19.6 | 17 | 19.6 | 14 | 19.6 | 21 | 19.6 | 19.6 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 1 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Wake Forest Sta. 3**2015****2016****2017****2018****Total**

Total number of calls for service

325

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 2 | 4.9 | 4.90 |
| Woods/Trash/Grass | 4 | 4.9 | 6 | 8.49 | 8 | 8.49 | 5 | 8.49 | 7.59 |
| Vehicle Fires | 2 | 4.9 | 1 | 4.9 | 0 | 4.9 | 2 | 4.9 | 4.90 |
| Fire Alarms | 5 | 8.49 | 5 | 8.49 | 11 | 8.49 | 5 | 8.49 | 8.49 |
| Chimney | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 1 | 25.92 | 1 | 25.92 | 0 | 25.92 | 4 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 36.77 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 1 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 1 | 13.86 | 1 | 13.86 | 0 | 13.86 | 2 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 46 | 19.8 | 50 | 19.8 | 57 | 19.8 | 25 | 13.86 | 18.315 |
| MVA Less than 6 | 12 | 19.6 | 10 | 19.6 | 7 | 19.6 | 7 | 19.6 | 19.6 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Wake Forest Sta. 4

Total number of calls for service

2015 31 **2016** 145 **2017** 177 **2018** 143 **Total** 496

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 0 | 4.9 | 1 | 4.9 | 1 | 4.9 | 2 | 4.9 | 4.90 |
| Woods/Trash/Grass | 1 | 4.9 | 4 | 4.9 | 3 | 4.9 | 7 | 8.49 | 5.80 |
| Vehicle Fires | 0 | 4.9 | 1 | 4.9 | 3 | 4.9 | 0 | 4.9 | 4.90 |
| Fire Alarms | 1 | 4.9 | 15 | 8.49 | 22 | 8.49 | 21 | 8.49 | 7.59 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 1 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 0 | 25.92 | 1 | 25.92 | 1 | 25.92 | 1 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 36.77 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 0 | 4.9 | 1 | 4.9 | 0 | 4.9 | 2 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 1 | 13.86 | 2 | 13.86 | 1 | 13.86 | 3 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 17 | 13.86 | 81 | 19.8 | 111 | 19.8 | 79 | 19.8 | 18.315 |
| MVA Less than 6 | 4 | 13.86 | 18 | 19.6 | 13 | 19.6 | 10 | 19.6 | 18.165 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Wake Forest Sta. 5**2015****2016****2017****2018****Total**

Total number of calls for service

95

86

160

203

544

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 2 | 4.9 | 4.90 |
| Woods/Trash/Grass | 5 | 4.9 | 3 | 4.9 | 11 | 8.49 | 4 | 4.9 | 5.80 |
| Vehicle Fires | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 3 | 4.9 | 4.90 |
| Fire Alarms | 15 | 8.49 | 8 | 8.49 | 18 | 8.49 | 31 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 0 | 25.92 | 0 | 25.92 | 0 | 25.92 | 0 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 36.77 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 0 | 4.9 | 0 | 4.9 | 3 | 4.9 | 1 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 1 | 13.86 | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 2 | 13.86 | 0 | 13.86 | 1 | 13.86 | 3 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 33 | 19.8 | 44 | 19.8 | 65 | 19.8 | 81 | 19.8 | 19.8 |
| MVA Less than 6 | 13 | 13.86 | 12 | 13.86 | 20 | 13.86 | 41 | 19.8 | 15.345 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 1 | 28.14 | 0 | 28.14 | 28.14 |

New Hope Sta. 1
Total number of calls for service

2015 321 **2016** 351 **2017** 331 **2018** 301 **Total** 1304

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 14 | 8.49 | 9 | 8.49 | 4 | 4.9 | 8 | 8.49 | 7.59 |
| Woods/Trash/Grass | 14 | 8.49 | 18 | 8.49 | 6 | 8.49 | 20 | 8.49 | 8.49 |
| Vehicle Fires | 10 | 8.49 | 8 | 8.49 | 6 | 8.49 | 4 | 4.49 | 7.49 |
| Fire Alarms | 22 | 8.49 | 14 | 8.49 | 15 | 8.49 | 18 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 4 | 19.8 | 0 | 19.8 | 1 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 4 | 25.92 | 0 | 25.92 | 6 | 33.94 | 4 | 25.92 | 27.93 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 1 | 4.9 | 2 | 4.9 | 1 | 4.9 | 2 | 4.9 | 4.9 |
| Small Fuel Spill | 1 | 4.9 | 0 | 4.9 | 1 | 4.9 | 2 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 1 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 2 | 13.86 | 0 | 13.86 | 1 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 109 | 19.8 | 129 | 19.8 | 116 | 19.8 | 86 | 19.8 | 19.8 |
| MVA Less than 6 | 73 | 26.53 | 87 | 26.53 | 79 | 26.53 | 79 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 1 | 13.86 | 3 | 13.86 | 1 | 13.86 | 3 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

New Hope Sta. 2

Total number of calls for service

2015 389 2016 405 2017 365 2018 352 Total 1511

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 12 | 8.49 | 6 | 8.49 | 5 | 8.49 | 9 | 8.49 | 8.49 |
| Woods/Trash/Grass | 11 | 8.49 | 19 | 8.49 | 18 | 8.49 | 16 | 8.49 | 8.49 |
| Vehicle Fires | 3 | 4.49 | 4 | 4.49 | 8 | 8.49 | 4 | 4.49 | 5.49 |
| Fire Alarms | 23 | 8.49 | 17 | 8.49 | 17 | 8.49 | 19 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 2 | 19.8 | 0 | 19.8 | 3 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 5 | 33.94 | 8 | 33.94 | 4 | 25.92 | 3 | 25.92 | 29.93 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 2 | 4.9 | 2 | 4.9 | 2 | 4.9 | 1 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 2 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 221 | 19.8 | 223 | 19.8 | 204 | 19.8 | 203 | 19.8 | 19.8 |
| MVA Less than 6 | 44 | 26.53 | 52 | 26.53 | 61 | 26.53 | 60 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 1 | 4.9 | 0 | 4.9 | 3 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 1 | 13.86 | 1 | 13.86 | 5 | 19.6 | 1 | 13.86 | 15.295 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Wendell Sta. 1**2015**
1159**2016**
1371**2017**
1413**2018**
1395**Total**
5338

Total number of calls for service

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 11 | 8.49 | 6 | 8.49 | 11 | 8.49 | 18 | 8.49 | 8.49 |
| Woods/Trash/Grass | 31 | 8.49 | 35 | 12.33 | 36 | 12.33 | 25 | 8.49 | 10.41 |
| Vehicle Fires | 8 | 8.49 | 12 | 8.49 | 14 | 8.49 | 13 | 8.49 | 8.49 |
| Fire Alarms | 89 | 12.33 | 98 | 12.33 | 99 | 12.33 | 138 | 12.33 | 12.33 |
| Chimney | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 1 | 19.8 | 19.80 |
| Cooking-Contained | 4 | 19.8 | 7 | 26.53 | 5 | 26.53 | 8 | 26.53 | 24.85 |
| Structure less 5000 | 7 | 33.94 | 21 | 33.94 | 10 | 33.94 | 14 | 33.94 | 33.94 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 3 | 4.49 | 4 | 4.49 | 6 | 8.49 | 7 | 8.49 | 6.49 |
| Small Fuel Spill | 6 | 8.49 | 5 | 8.49 | 3 | 8.49 | 6 | 8.49 | 8.49 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 1 | 13.86 | 1 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 3 | 13.86 | 7 | 19.6 | 5 | 19.6 | 4 | 13.86 | 16.73 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 1 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 717 | 25.92 | 819 | 25.92 | 565 | 25.92 | 335 | 25.92 | 25.92 |
| MVA Less than 6 | 105 | 26.53 | 131 | 26.53 | 124 | 26.53 | 119 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 19 | 8.49 | 14 | 8.49 | 13 | 8.49 | 17 | 8.49 | 8.49 |
| Elevator | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 4.49 |
| VMR Extrication | 2 | 13.86 | 2 | 13.86 | 5 | 19.6 | 5 | 19.6 | 16.73 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Wendell Sta. 2

Total number of calls for service

| | <u>2015</u> | <u>2016</u> | <u>2017</u> | <u>2018</u> | <u>Total</u> |
|--|-------------|-------------|-------------|-------------|--------------|
| | 309 | 354 | 346 | 348 | 1357 |

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 3 | 4.49 | 3 | 4.49 | 5 | 8.49 | 0 | 4.49 | 5.49 |
| Woods/Trash/Grass | 15 | 8.49 | 16 | 8.49 | 12 | 8.49 | 17 | 8.49 | 8.49 |
| Vehicle Fires | 2 | 4.49 | 2 | 4.49 | 3 | 4.49 | 1 | 4.49 | 4.49 |
| Fire Alarms | 11 | 8.49 | 8 | 8.49 | 8 | 8.49 | 19 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 1 | 19.8 | 1 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 2 | 25.92 | 2 | 25.92 | 2 | 25.92 | 5 | 33.94 | 27.93 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 1 | 4.9 | 1 | 4.9 | 1 | 4.9 | 1 | 4.9 | 4.9 |
| Small Fuel Spill | 0 | 4.9 | 1 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 0 | 13.86 | 2 | 13.86 | 2 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 214 | 19.8 | 235 | 19.8 | 187 | 19.8 | 335 | 19.8 | 19.8 |
| MVA Less than 6 | 21 | 19.8 | 38 | 26.53 | 25 | 19.8 | 36 | 26.53 | 23.165 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 2 | 4.49 | 7 | 8.49 | 2 | 4.49 | 7 | 8.49 | 6.49 |
| Elevator | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 4.49 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 2 | 13.86 | 2 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Western Wake
Total number of calls for service

2015 242 **2016** 260 **2017** 253 **2018** 257 **Total** 1012

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 5 | 8.49 | 6 | 8.49 | 2 | 4.9 | 5 | 8.49 | 7.59 |
| Woods/Trash/Grass | 20 | 8.49 | 9 | 8.49 | 8 | 8.49 | 8 | 8.49 | 8.49 |
| Vehicle Fires | 3 | 4.9 | 3 | 4.9 | 5 | 8.49 | 1 | 4.9 | 5.80 |
| Fire Alarms | 25 | 13.86 | 21 | 13.86 | 24 | 13.86 | 16 | 13.86 | 13.86 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Structure less 5000 | 2 | 25.92 | 0 | 25.92 | 2 | 25.92 | 0 | 25.92 | 25.92 |
| Structure 5K-10K | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 36.77 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 1 | 4.9 | 2 | 4.9 | 5 | 8.49 | 2 | 4.9 | 5.7975 |
| Small Fuel Spill | 1 | 4.9 | 1 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 2 | 13.86 | 2 | 13.86 | 6 | 19.6 | 2 | 13.86 | 15.295 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Medical Call | 85 | 19.8 | 95 | 19.8 | 86 | 19.8 | 90 | 19.8 | 19.8 |
| MVA Less than 6 | 44 | 26.53 | 59 | 26.53 | 27 | 26.53 | 25 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
|--|------|-------|------|-------|------|-------|------|-------|---------|
| Lock In | 1 | 4.9 | 1 | 4.9 | 0 | 4.9 | 2 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 1 | 13.86 | 1 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Zebulon
Total number of calls for service

2015 417 **2016** 425 **2017** 432 **2018** 438 **Total** 1712

| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|-------------------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Electrical/Odor Investigation | 3 | 4.9 | 12 | 8.49 | 5 | 8.49 | 2 | 4.9 | 6.70 |
| Woods/Trash/Grass | 14 | 8.49 | 10 | 8.49 | 16 | 8.49 | 8 | 8.49 | 8.49 |
| Vehicle Fires | 6 | 8.49 | 9 | 8.49 | 7 | 8.49 | 8 | 8.49 | 8.49 |
| Fire Alarms | 5 | 8.49 | 11 | 8.49 | 10 | 8.49 | 13 | 8.49 | 8.49 |
| Chimney | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 1 | 19.8 | 2 | 19.8 | 0 | 19.8 | 1 | 19.8 | 19.80 |
| Structure less 5000 | 6 | 33.94 | 2 | 25.92 | 2 | 25.92 | 5 | 33.94 | 29.93 |
| Structure 5K-10K | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 0 | 36.77 | 36.77 |
| Structure greater 10K | 0 | 48 | 1 | 48 | 0 | 48 | 0 | 48 | 48.00 |

| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|---------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Investigations/Odor | 2 | 4.9 | 2 | 4.9 | 0 | 4.9 | 2 | 4.9 | 4.9 |
| Small Fuel Spill | 1 | 4.9 | 0 | 4.9 | 0 | 4.9 | 1 | 4.9 | 4.9 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 1 | 13.86 | 0 | 13.86 | 1 | 13.86 | 1 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 2 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--------------------|------|-------|------|-------|------|-------|------|-------|--------------|
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 269 | 19.8 | 237 | 19.8 | 266 | 19.8 | 284 | 19.8 | 19.8 |
| MVA Less than 6 | 51 | 26.53 | 60 | 26.53 | 64 | 26.53 | 52 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
|--|------|-------|------|-------|------|-------|------|-------|--------------|
| Lock In | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| Elevator | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 0 | 4.9 | 4.9 |
| VMR Extrication | 0 | 13.86 | 0 | 13.86 | 2 | 13.86 | 0 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |

Appendix 2

ERF Baseline GIS Evaluation

| Station | # of Staffed | Loc. | Street number | Street name | City | Zip | 1st unit station | 1st unit travel | 2nd unit station | 2nd unit travel | 3rd unit station | 3rd unit travel | 4th unit station | 4th unit travel | 5th unit station | 5th unit travel | 6th unit station | 6th unit travel |
|-----------------------|--------------|------|---------------|--------------------------|---------------|-------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| Apex Station 1 | 1 | 1 | 1335 | Salem Church Rd | Apex | 27523 | CF4 | 2.68 | AF1 | 4.36 | AF3 | 4.78 | CF5 | 5.86 | CF5 | 5.86 | CF3 | 6.21 |
| | 2 | 2 | 2420 | Ten Ten Rd | Apex | 27539 | CF6 | 2.73 | CF6 | 2.73 | AF1 | 3.96 | AF1 | 4.48 | AF4 | 4.86 | AF4 | 4.86 |
| | 3 | 3 | 3016 | Tingen Rd | Apex | 27502 | AF1 | 5.62 | AF4 | 5.68 | AF4 | 5.68 | AF3 | 6.26 | AF5 | 6.98 | AF5 | 6.98 |
| Apex Station 2 | 1 | 1 | 4417 | New Hill Holleman Rd | New Hill | 27562 | AF2 | 3.86 | HS3 | 5.83 | HS2 | 8.83 | AF5 | 10.60 | AF5 | 10.60 | AF4 | 10.62 |
| | 2 | 2 | 9709 | Horton Rd | New Hill | 27562 | AF2 | 3.61 | HS3 | 6.89 | AF5 | 8.81 | AF5 | 8.81 | AF4 | 11.14 | AF4 | 11.14 |
| | 3 | 3 | 1617 | New Hill Olive Chapel Rd | Apex | 27502 | AF2 | 3.83 | HS3 | 7.11 | AF5 | 7.43 | AF5 | 7.43 | AF1 | 10.05 | AF3 | 10.56 |
| Apex Station 3 | 1 | 1 | 7320 | Jenks Rd | Apex | 27523 | AF3 | 4.55 | AF5 | 4.94 | AF5 | 4.94 | CF5 | 5.67 | CF5 | 5.67 | AF1 | 6.08 |
| | 2 | 2 | 6800 | Marksman's Way | Apex | 27519 | CF5 | 3.94 | CF5 | 3.94 | AF3 | 4.34 | AF1 | 6.02 | CF3 | 6.08 | CF7 | 6.09 |
| | 3 | 3 | 6612 | Old Jenks Rd | Apex | 27523 | AF3 | 4.36 | AF1 | 4.71 | CF5 | 5.08 | CF5 | 5.08 | CF4 | 5.99 | AF5 | 6.47 |
| Apex Station 4 | 2 | 1 | 5340 | Dutch Elm Dr | Apex | 27539 | AF4 | 3.93 | AF4 | 3.93 | HS1 | 4.96 | CF6 | 5.48 | CF6 | 5.48 | CF1 | 6.39 |
| | 2 | 2 | 3137 | Veridia Pkwy | Apex | 27539 | AF4 | 3.94 | AF4 | 3.94 | AF5 | 5.38 | AF5 | 5.38 | AF2 | 6.75 | HS2 | 6.92 |
| | 3 | 3 | 1210 | E Williams St | Apex | 27502 | AF4 | 1.77 | AF4 | 1.77 | AF1 | 3.33 | AF3 | 3.97 | AF5 | 5.39 | AF5 | 5.39 |
| Apex Station 5 | 2 | 1 | 7628 | Jenks Rd | Apex | 27539 | AF5 | 4.03 | AF5 | 4.03 | AF3 | 5.56 | CF8 | 6.56 | CF8 | 6.56 | CF5 | 6.63 |
| | 2 | 2 | 2820 | Olive Chapel Rd | Apex | 27502 | AF5 | 4.03 | AF5 | 4.03 | AF3 | 5.88 | HS3 | 7.54 | AF1 | 8.04 | AF2 | 8.10 |
| | 3 | 3 | 7900 | Humble Olive Rd | Apex | 27502 | AF5 | 4.32 | AF5 | 4.32 | HS3 | 4.38 | AF2 | 5.15 | AF1 | 6.94 | AF3 | 7.45 |
| Cary Station Suburban | 1 | 1 | 512 | Reedy Creek Rd | Cary | 27513 | CF2 | 1.61 | CF2 | 1.61 | CF1 | 3.85 | CF1 | 3.85 | CF9 | 4.98 | CF4 | 6.25 |
| | 2 | 2 | 102 | Anna Lake Ln | Cary | 27513 | CF1 | 4.76 | CF1 | 4.76 | CF2 | 5.44 | CF2 | 5.44 | CF4 | 5.97 | MF1 | 6.19 |
| | 3 | 3 | 1700 | Evans Rd | Cary | 27513 | CF1 | 2.60 | CF1 | 2.60 | MF1 | 4.04 | MF2 | 5.93 | CF2 | 6.00 | CF2 | 6.00 |
| Durham Hwy Station 1 | 1 | 1 | 5204 | Swisswood Dr | Raleigh | 27613 | DH1 | 4.73 | NW3 | 6.01 | NW1 | 10.01 | NW2 | 11.71 | NW4 | 13.04 | MF2 | 16.87 |
| | 2 | 2 | 10004 | Stycamore Rd | Raleigh | 27613 | S29 | 0.66 | DH1 | 4.07 | NW3 | 7.82 | NW1 | 11.34 | MF2 | 13.10 | WF5 | 15.16 |
| | 3 | 3 | 12308 | Strickland Rd | Raleigh | 27613 | S18 | 2.98 | DH1 | 4.00 | NW3 | 5.50 | NW1 | 8.23 | WF5 | 12.05 | MF2 | 12.13 |
| Durham Hwy Sta. 2 | 0 | 1 | 8701 | Ray Rd | Raleigh | 27613 | S18 | 3.75 | DH1 | 4.63 | NW3 | 6.28 | NW1 | 9.01 | MF2 | 12.76 | WF5 | 12.83 |
| | 2 | 2 | 3605 | Lynn Rd | Raleigh | 27613 | S17 | 2.63 | DH1 | 8.02 | WW1 | 8.82 | NW3 | 10.08 | NW1 | 12.33 | NH1 | 13.52 |
| | 3 | 3 | 7508 | Ebenezer Church Rd | Raleigh | 27612 | S23 | 4.63 | DH1 | 7.74 | WW1 | 8.74 | NW3 | 11.44 | MF2 | 12.32 | NW1 | 13.55 |
| Knightdale Sta. 1 | 1 | 1 | 4833 | Old Faison Rd | Knightdale | 27545 | KC1 | 4.32 | KC3 | 4.83 | KC2 | 5.95 | WE3 | 8.02 | WE2 | 11.76 | NH1 | 11.78 |
| | 2 | 2 | 5313 | Rider Dr | Knightdale | 27545 | KC1 | 5.01 | WE3 | 6.15 | KC3 | 7.25 | WE3 | 7.25 | WE1 | 10.24 | WE2 | 10.27 |
| | 3 | 3 | 2905 | Marks Creek Rd | Knightdale | 27545 | KC1 | 3.90 | WE2 | 3.93 | KC2 | 4.28 | WE3 | 5.86 | WE1 | 5.97 | NH2 | 7.21 |
| Knightdale Sta. 2 | 1 | 1 | 1807 | Lucas Rd | Knightdale | 27545 | KC2 | 4.13 | WE2 | 4.26 | NH2 | 4.83 | KC1 | 5.75 | WE1 | 9.27 | WE3 | 10.26 |
| | 2 | 2 | 5901 | Forestville Rd | Raleigh | 27604 | KC2 | 4.01 | NH2 | 5.58 | KC1 | 6.20 | WE2 | 8.53 | NH1 | 8.82 | KC3 | 10.81 |
| | 3 | 3 | 5949 | Knightdale Blvd | Knightdale | 27545 | KC2 | 4.03 | KC1 | 4.03 | KC3 | 6.96 | NH1 | 9.40 | WE3 | 9.54 | NH2 | 10.37 |
| Knightdale Sta. 3 | 1 | 1 | 6205 | Poole Rd | Raleigh | 27610 | S12 | 2.78 | KC3 | 3.78 | KC1 | 9.12 | KC2 | 10.41 | WE3 | 10.51 | NH1 | 10.74 |
| | 2 | 2 | 2804 | Beethoven Rd | Raleigh | 27610 | KC3 | 3.91 | KC1 | 8.32 | WE3 | 8.89 | KC2 | 9.95 | GF4 | 12.48 | WE1 | 12.51 |
| | 3 | 3 | 901 | Stolls Ln | Knightdale | 27545 | KC3 | 4.12 | WE3 | 7.50 | KC1 | 7.54 | KC2 | 9.17 | WE1 | 11.13 | WE2 | 13.32 |
| Fairview Sta. 1 | 1 | 1 | 6300 | Deerview Dr | Raleigh | 27606 | FF1 | 4.03 | FF2 | 5.47 | SC1 | 6.33 | HS1 | 10.08 | HS1 | 10.08 | AF4 | 10.68 |
| | 2 | 2 | 4629 | Grayling Dr | Apex | 27539 | FF1 | 4.08 | HS1 | 5.13 | HS1 | 5.13 | AF4 | 7.94 | AF4 | 7.94 | AF1 | 8.85 |
| | 3 | 3 | 4041 | Summer Brook Dr | Apex | 27539 | FF1 | 3.96 | FF2 | 7.06 | HS1 | 8.28 | HS1 | 8.28 | FF2 | 9.07 | FF2 | 9.07 |
| Fairview Sta. 2 | 1 | 1 | 8520 | Rhodes Rd | Apex | 27539 | FF2 | 4.02 | FF1 | 5.33 | FF2 | 6.32 | FF2 | 6.32 | HS1 | 8.09 | HS1 | 8.09 |
| | 2 | 2 | 4121 | High Mountain Dr | Raleigh | 27603 | FF2 | 5.31 | GF2 | 7.33 | FF2 | 8.98 | FF2 | 8.98 | GF3 | 9.12 | FF1 | 11.30 |
| | 3 | 3 | 5902 | Simpkins Farm Ln | Raleigh | 27603 | FF2 | 4.22 | GF3 | 6.10 | SC1 | 8.88 | GF1 | 9.36 | GF1 | 9.36 | FF2 | 10.11 |
| Fuquay Sta. 1 | 2 | 1 | 107 | Riding Ridge Rd | Fuquay Varina | 27526 | FF1 | 5.37 | FF1 | 5.37 | HS2 | 5.54 | HS1 | 7.46 | HS1 | 7.46 | FF2 | 8.60 |
| | 2 | 2 | 2505 | Poplar St | Fuquay Varina | 27526 | FF1 | 5.12 | FF1 | 5.12 | HS2 | 7.42 | HS1 | 10.99 | HS1 | 10.99 | AF4 | 13.96 |
| | 3 | 3 | 1314 | Holland Hills Dr | Fuquay Varina | 27526 | FF1 | 4.76 | FF1 | 4.76 | FF3 | 9.07 | FF2 | 9.66 | FF2 | 9.66 | HS2 | 13.19 |
| Fuquay Sta. 2 | 2 | 1 | 3328 | Cotten Rd | Raleigh | 27603 | FF2 | 4.26 | FF2 | 4.26 | FF2 | 5.60 | GF2 | 8.70 | GF3 | 10.58 | FF3 | 11.47 |
| | 2 | 2 | 7089 | Kennelbuck Rd | Willow Spring | 27592 | FF2 | 3.89 | FF2 | 3.89 | FF3 | 6.19 | FF1 | 7.93 | FF1 | 7.93 | FF2 | 9.80 |
| | 3 | 3 | 3205 | Eden Grove Rd | Fuquay Varina | 27526 | FF2 | 3.93 | FF2 | 3.99 | HS1 | 7.63 | HS1 | 7.63 | FF2 | 7.76 | FF1 | 9.44 |
| Fuquay Sta. 3 | 1 | 1 | 7645 | James Austin Rd | Willow Spring | 27592 | FF3 | 3.86 | FF2 | 10.01 | FF2 | 10.01 | FF1 | 11.09 | FF1 | 11.09 | GF2 | 14.98 |
| | 2 | 2 | 3301 | John Adams Rd | Willow Spring | 27592 | FF3 | 5.93 | FF2 | 6.46 | FF2 | 6.46 | GF2 | 6.46 | FF2 | 11.55 | FF1 | 12.42 |
| | 3 | 3 | 9101 | Walter Wyatt Rd | Fuquay Varina | 27526 | FF3 | 3.84 | FF2 | 6.00 | FF2 | 6.00 | FF1 | 9.11 | FF1 | 9.11 | FF2 | 12.23 |
| Garner Sta. 1 | 2 | 1 | 3948 | Durham Dr | Raleigh | 27603 | S02 | 3.70 | GF1 | 4.52 | GF1 | 4.52 | GF3 | 4.76 | FF2 | 9.68 | SC1 | 9.84 |

| | | | | | | | | | | | | | | | | | |
|----------------------|---|-------|---------------------------|-------------|-------|-----|------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| Rolesville Sta. 1 | 1 | 9025 | Louisburg Rd | Wake Forest | 27587 | RV1 | 3.45 | NH2 | 5.98 | WF3 | 6.23 | WE2 | 9.30 | WF2 | 9.59 | WF2 | 9.59 |
| | 2 | 3636 | Quarry Rd | Wake Forest | 27587 | RV1 | 3.67 | WE2 | 8.15 | NH2 | 8.22 | HO1 | 8.79 | WF3 | 9.70 | WF1 | 12.69 |
| | 3 | 6225 | Winter Spring Dr | Wake Forest | 27587 | RV1 | 3.75 | WF1 | 5.84 | WF1 | 5.84 | WF3 | 7.43 | WF3 | 8.14 | WF2 | 8.14 |
| Swiftcreek Sta. 1 | 1 | 4608 | Fielding Dr | Raleigh | 27606 | SC1 | 4.85 | FF1 | 6.84 | FF2 | 11.91 | AF4 | 12.39 | AF4 | 12.39 | HS1 | 12.89 |
| | 2 | 2500 | Mid Pines Rd | Raleigh | 27606 | SC1 | 1.53 | SC1 | 3.96 | GF3 | 9.17 | GF1 | 9.41 | GF1 | 9.41 | WW1 | 9.52 |
| | 3 | 4909 | Yates Mill Pond Rd | Raleigh | 27606 | SC1 | 3.89 | FF2 | 7.65 | FF1 | 9.37 | GF3 | 10.25 | WW1 | 12.27 | GF1 | 12.63 |
| Wake Forest Sta. 1 | 2 | 1464 | Walt Ave | Wake Forest | 27587 | WF1 | 4.15 | WF1 | 4.15 | WF3 | 5.97 | RV1 | 6.24 | WF2 | 6.46 | WF2 | 6.46 |
| | 2 | 118 | Ralph Dr | Wake Forest | 27587 | WF1 | 5.75 | WF1 | 4.31 | WF4 | 7.07 | WF2 | 10.54 | WF2 | 10.54 | WF3 | 11.83 |
| | 3 | 936 | Wall Rd | Wake Forest | 27587 | WF1 | 4.31 | WF1 | 4.31 | WF4 | 6.04 | WF2 | 9.24 | WF2 | 9.24 | NW2 | 10.72 |
| Wake Forest Sta. 2 | 2 | 2433 | Circle Dr | Wake Forest | 27587 | WF2 | 4.68 | WF2 | 4.68 | WF3 | 5.36 | WF5 | 6.60 | WF4 | 7.46 | WF1 | 8.09 |
| | 2 | 3101 | Greenview Loop Rd | Wake Forest | 27587 | WF2 | 4.02 | WF2 | 4.05 | WF2 | 4.05 | WF3 | 4.72 | NH2 | 7.80 | RV1 | 8.37 |
| | 3 | 12082 | 12082 Capital Blvd | Wake Forest | 27587 | WF2 | 4.52 | WF2 | 4.52 | WF1 | 4.55 | WF1 | 4.55 | WF4 | 4.75 | NW2 | 6.32 |
| Wake Forest Sta. 3 | 1 | 2401 | Alstonburg Ave | Wake Forest | 27587 | WF2 | 3.20 | WF3 | 4.37 | RV1 | 4.72 | NH2 | 6.98 | WF2 | 7.73 | WF2 | 7.73 |
| | 2 | 1323 | S Franklin St | Wake Forest | 27587 | WF3 | 3.53 | WF2 | 4.81 | WF2 | 4.81 | WF1 | 7.23 | RV1 | 7.23 | RV1 | 8.40 |
| | 3 | 4120 | Rogers Rd | Wake Forest | 27587 | WF3 | 2.88 | RV1 | 4.65 | WF2 | 5.21 | WF2 | 5.21 | WF1 | 7.27 | WF1 | 7.27 |
| Wake Forest Sta. 4 | 1 | 3660 | Legato Ln | Wake Forest | 27587 | WF4 | 4.18 | WF1 | 7.39 | WF1 | 7.93 | WF2 | 9.11 | WF2 | 9.11 | NW2 | 10.59 |
| | 2 | 3516 | Purnell Rd | Wake Forest | 27587 | WF4 | 3.96 | NW2 | 5.29 | NW4 | 7.47 | WF1 | 10.24 | WF1 | 10.24 | WF5 | 11.20 |
| | 3 | 2408 | Crenshaw Forest Dr | Wake Forest | 27587 | WF4 | 4.16 | NW2 | 4.23 | WF5 | 5.78 | WF1 | 5.98 | WF1 | 5.98 | WF2 | 6.31 |
| Wake Forest Sta. 5 | 1 | 6332 | Wakefells Dr | Wake Forest | 27587 | WF2 | 4.44 | WF5 | 4.55 | NW2 | 6.47 | WF4 | 6.48 | WF1 | 7.03 | WF1 | 7.03 |
| | 2 | 900 | Stone Falls Trl | Raleigh | 27614 | WF2 | 2.20 | WF5 | 4.14 | NW1 | 5.70 | NW3 | 9.67 | WF2 | 9.71 | WF2 | 9.71 |
| | 3 | 9200 | Litchford Rd | Raleigh | 27615 | WF2 | 1.09 | WF5 | 4.27 | NW1 | 7.76 | NW3 | 8.90 | WF2 | 8.91 | WF2 | 8.91 |
| Wake New Hope Sta. 1 | 1 | 6300 | Triangle Town Blvd | Raleigh | 27616 | WF2 | 4.22 | NH1 | 5.27 | WF5 | 9.31 | NH2 | 9.68 | NW1 | 10.06 | KC2 | 10.84 |
| | 2 | 4908 | Old Wake Forest Rd | Raleigh | 27609 | WF2 | 2.79 | NH1 | 4.33 | NH2 | 10.76 | NW1 | 11.76 | NW1 | 12.83 | WF2 | 13.87 |
| | 3 | 5301 | Edington Ln | Raleigh | 27604 | WF2 | 2.73 | NH1 | 4.52 | NH2 | 10.37 | KC2 | 11.81 | KC3 | 13.24 | WE2 | 13.31 |
| Wake New Hope Sta. 2 | 1 | 3005 | Old Millburne Rd | Raleigh | 27604 | NH2 | 3.79 | KC2 | 5.23 | WE2 | 6.73 | KC1 | 7.41 | NH1 | 7.95 | RV1 | 11.46 |
| | 2 | 5936 | Phillips Landing Dr | Wake Forest | 27587 | NH2 | 3.49 | WE2 | 3.56 | RV1 | 4.97 | HO1 | 9.33 | KC2 | 9.46 | KC1 | 9.94 |
| | 3 | 3717 | Louisburg Rd | Wake Forest | 27587 | WF2 | 0.91 | NH2 | 3.92 | RV1 | 5.50 | WF3 | 7.13 | NH1 | 8.28 | WE2 | 8.35 |
| Wendell Sta. 1 | 1 | 529 | Eagle Rock Rd | Wendell | 27591 | WF1 | 3.49 | WE3 | 4.72 | WE2 | 4.87 | KC1 | 5.71 | KC2 | 6.09 | NH2 | 8.15 |
| | 2 | 248 | Wythe Ln | Wendell | 27591 | WF1 | 5.18 | WE3 | 6.20 | ZF1 | 10.27 | KC3 | 10.58 | WE2 | 10.75 | KC1 | 11.02 |
| | 3 | 1126 | Old Zebulon Rd | Wendell | 27591 | WF1 | 4.40 | ZF1 | 4.59 | WE3 | 10.42 | HO1 | 10.68 | WE2 | 12.45 | KC1 | 13.28 |
| Wendell Sta. 2 | 1 | 4812 | Rolesville Rd | Knightsdale | 27545 | WF2 | 3.12 | WE1 | 4.72 | WE3 | 6.01 | NH2 | 6.40 | KC1 | 6.47 | KC2 | 6.85 |
| | 2 | 5324 | Riley Hill Rd | Wendell | 27591 | WF2 | 3.46 | NH2 | 4.29 | RV1 | 6.86 | HO1 | 8.67 | KC2 | 9.44 | WE1 | 9.94 |
| | 3 | 2748 | Woodie Dr | Wendell | 27591 | WF2 | 3.72 | NH2 | 6.64 | HO1 | 7.37 | WE1 | 8.36 | RV1 | 9.20 | ZF1 | 10.08 |
| Wendell Sta. 3 | 1 | 6531 | Knightsdale Eagle Rock Rd | Wendell | 27591 | WF3 | 4.05 | WE1 | 5.81 | KC1 | 6.27 | WE2 | 7.19 | KC2 | 8.41 | NH2 | 10.47 |
| | 2 | 1433 | Eagle Rock Rd | Wendell | 27591 | WF3 | 4.04 | WE1 | 4.33 | WE2 | 7.76 | KC1 | 8.59 | KC2 | 8.98 | KC3 | 9.66 |
| | 3 | 1305 | Rock Cove Rd | Wendell | 27591 | WF3 | 4.48 | KC3 | 6.40 | WE1 | 7.93 | KC1 | 8.90 | KC2 | 10.52 | WE2 | 11.32 |
| Western Wake Sta. 1 | 1 | 4905 | Richland Dr | Raleigh | 27612 | WF1 | 3.15 | WW1 | 4.21 | SC1 | 11.90 | DH1 | 12.59 | MF1 | 13.38 | MF2 | 13.74 |
| | 2 | 704 | Hooker Dr | Raleigh | 27607 | WF1 | 3.06 | WW1 | 4.33 | SC1 | 7.98 | MF1 | 11.41 | MF2 | 12.24 | AF4 | 13.51 |
| | 3 | 5925 | Trinity Rd | Raleigh | 27607 | WW1 | 4.71 | SC1 | 9.56 | MF1 | 10.98 | MF2 | 12.40 | AF4 | 14.47 | AF4 | 14.47 |
| Zebulon Sta. 1 | 1 | 1009 | Moss Rd | Zebulon | 27597 | ZF1 | 4.72 | WE1 | 6.56 | HO1 | 11.43 | WE3 | 12.43 | WE2 | 14.61 | KC1 | 15.45 |
| | 2 | 1528 | Old US Hwy 264 | Zebulon | 27597 | ZF1 | 4.44 | HO1 | 10.35 | WE1 | 10.97 | WE3 | 13.45 | WE2 | 14.03 | KC1 | 15.58 |
| | 3 | 9620 | Pippin Rd | Zebulon | 27597 | ZF1 | 4.12 | HO1 | 6.62 | WE1 | 10.65 | WE3 | 12.53 | WE2 | 13.06 | KC1 | 14.66 |
| | | | | | | | 4.85 | | 8.06 | | 10.42 | | 11.93 | | 13.07 | | 14.55 |

Appendix 3

References used to determine response time recommendations included the following:

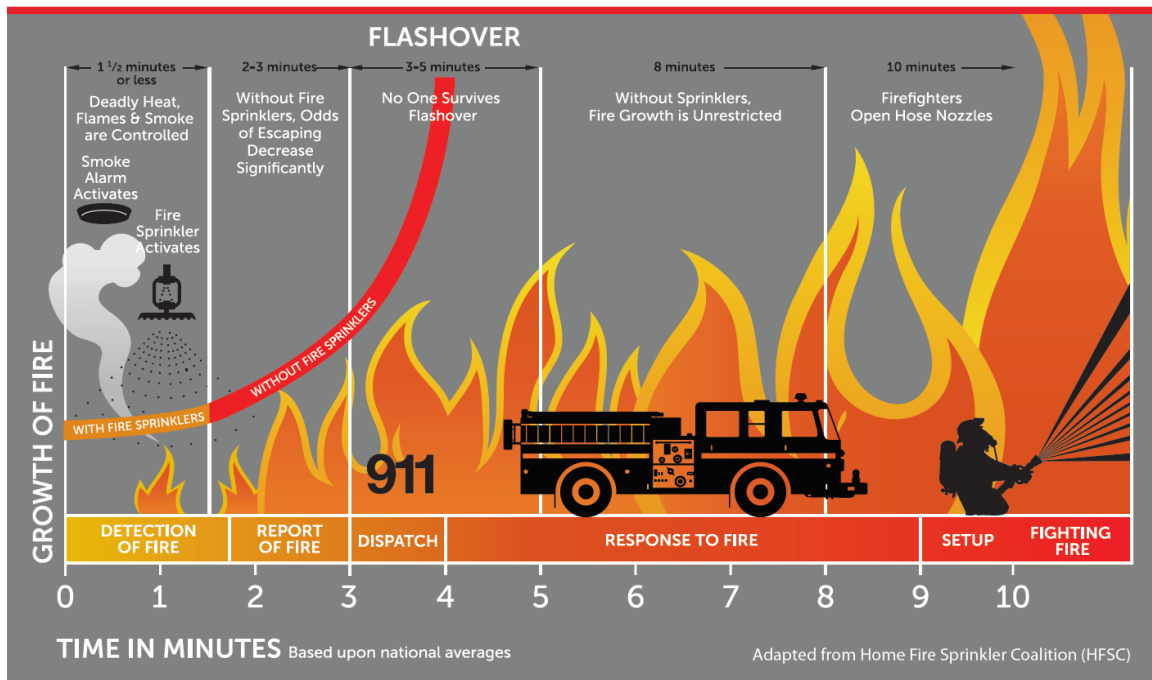
- 1) Community Survey Results (Appendix 4)
- 2) ITRE/ORED Study (Appendix 5)
- 3) National Standards in table below from the National Fire Protection Association (NFPA) and the Center for Public Safety Excellence (CPSE).

| | 1 st Apparatus Travel | ERF Travel | Percent |
|--------------------------|----------------------------------|------------|---------|
| NFPA 1710 | 4 min. | 8 min. | 90 |
| NFPA 1720 | 7-11 min. | N/A | 80 |
| CPSE 8 th Ed. | 7-10 min. | 12-14 min. | 90 |

- 4) The American Heart Association states that survival rates for cardiac arrests patients fall 7-10% for every untreated minute.

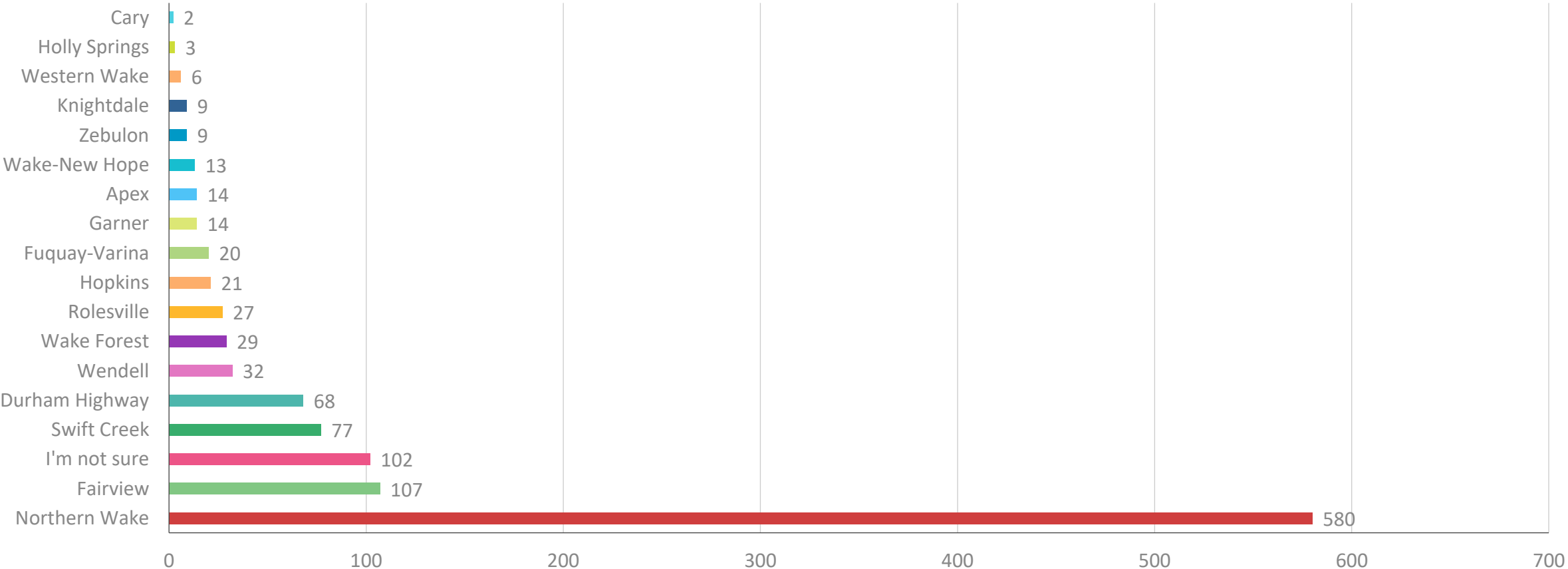


- 5) Survival rates decrease with every second a fire is burning in a structure.

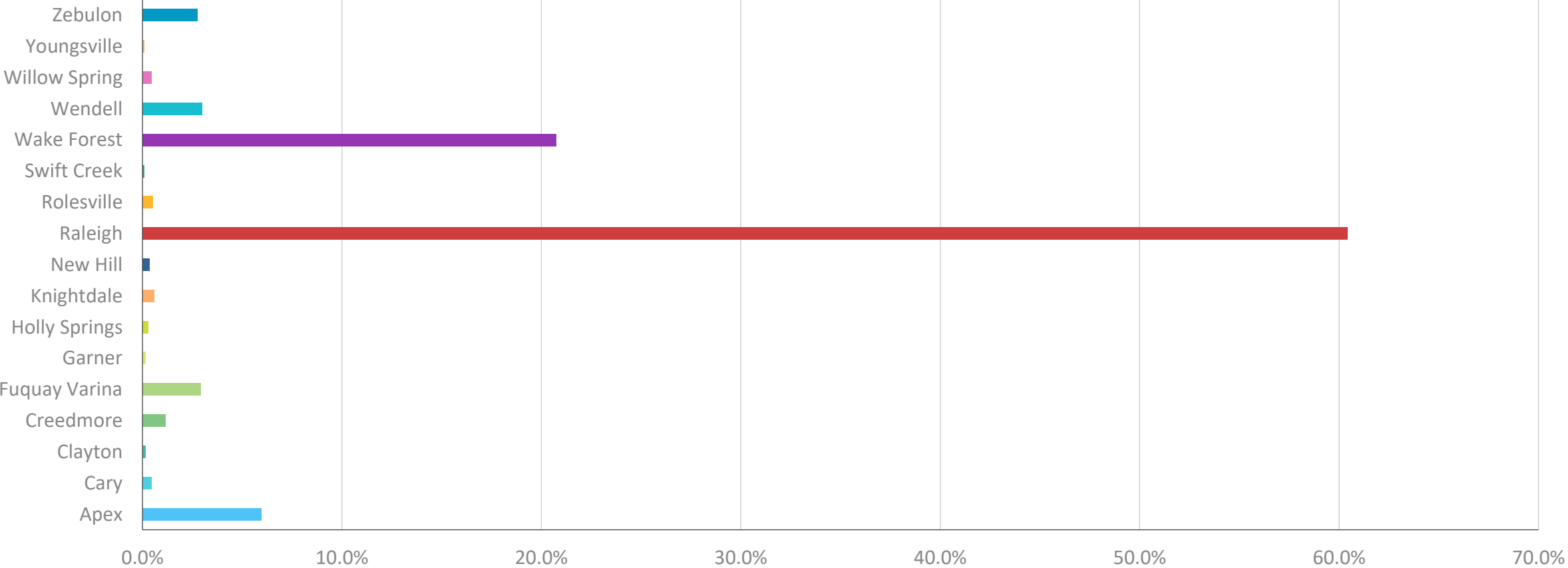


Local Fire Department

Which fire department provides service to your residence?

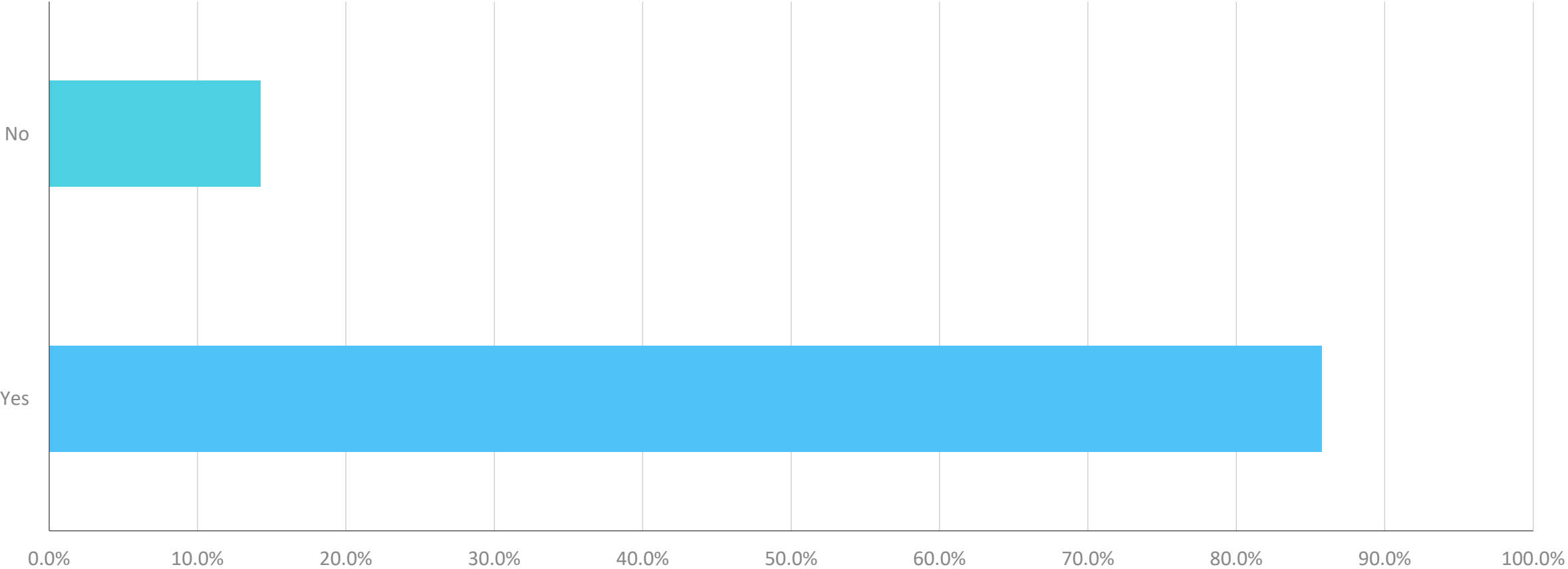


City/Town



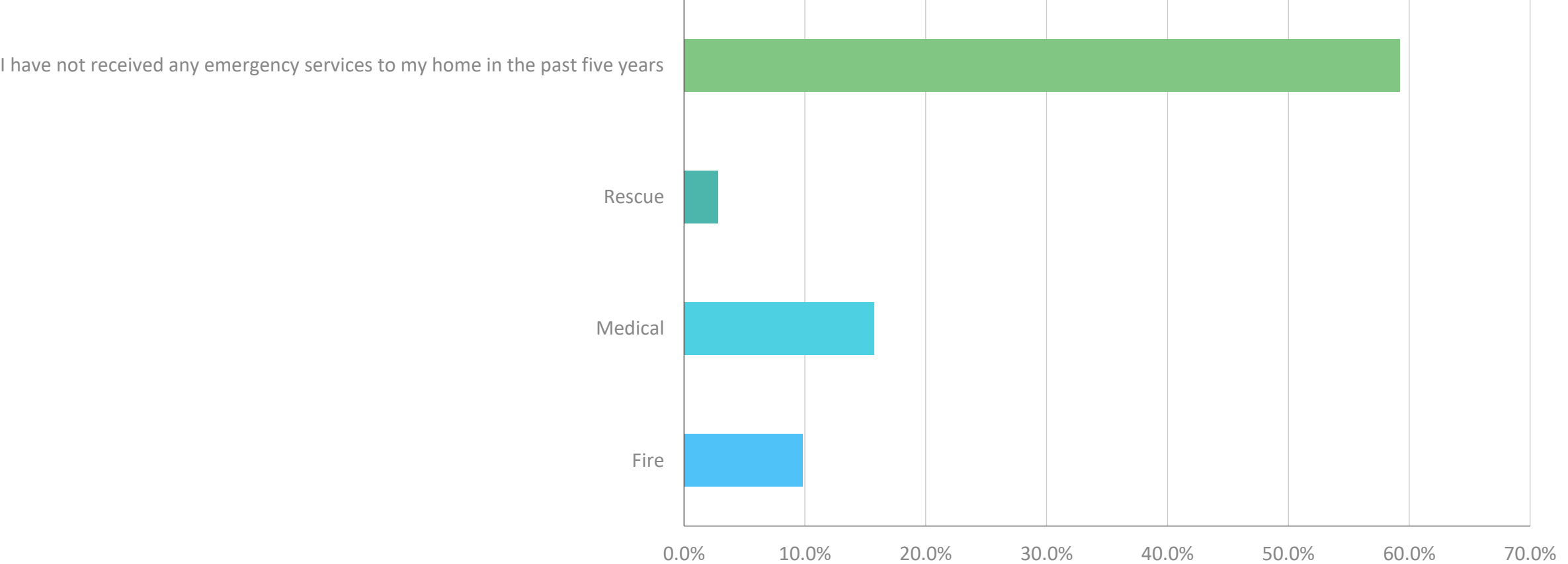
Unincorporated Wake County resident

Are you a resident of unincorporated Wake County (outside any municipal limits) or within the Town of Wendell?



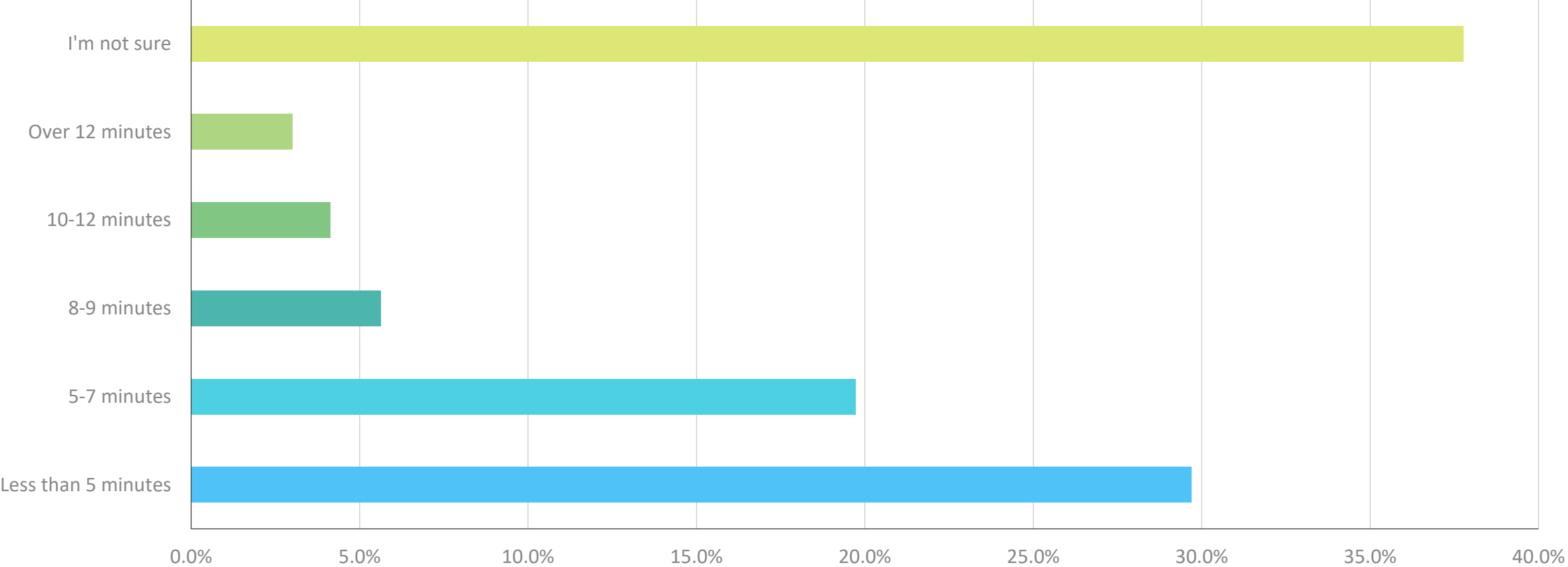
Emergency Services Received

Which of the following emergency services have you received (at your home) from any fire department in Wake County in the last five years?
Please check all that apply.



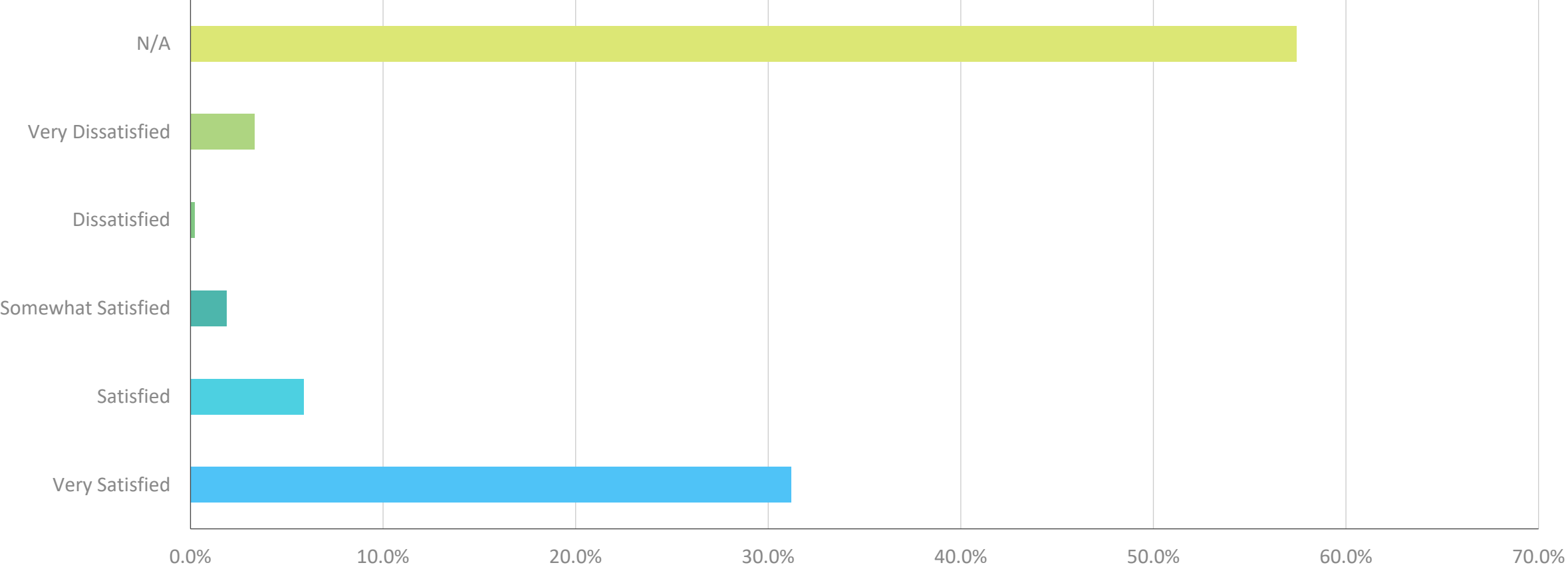
Service response time

About how long did it take for the fire department to arrive at your emergency?



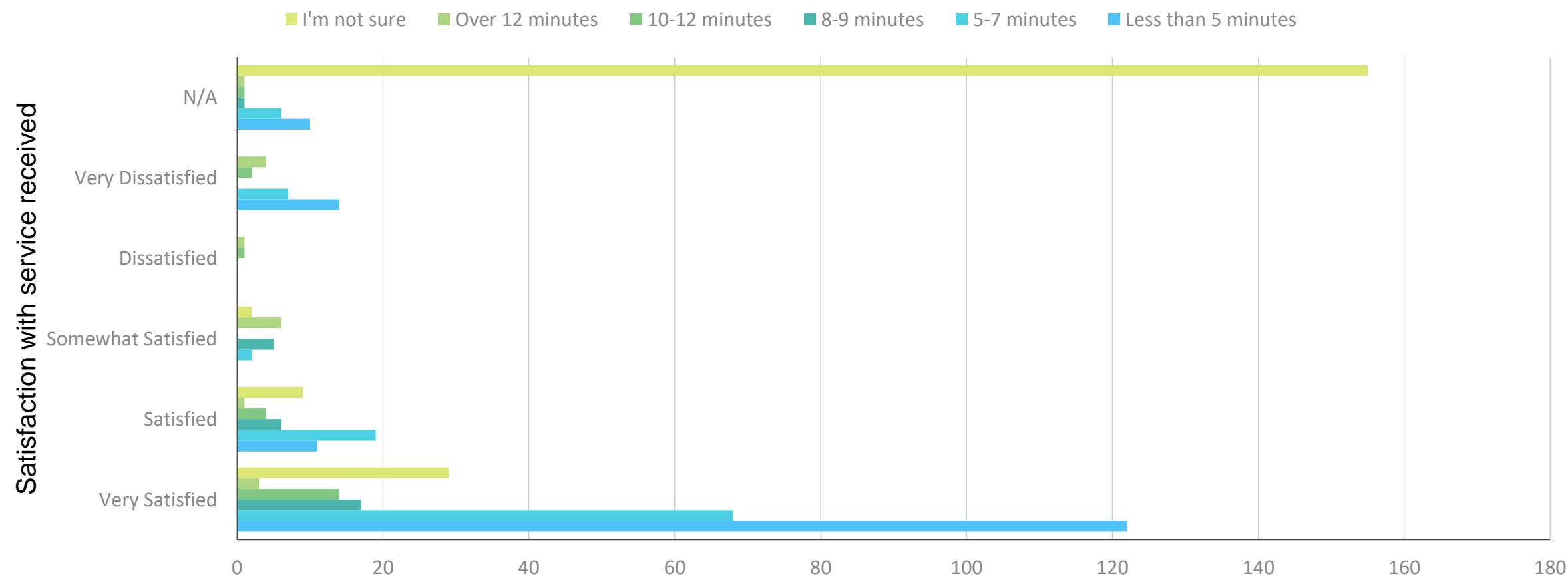
Satisfaction with service received

If you have received service from a Wake County fire department, how satisfied have you been with the overall timeliness of the response?



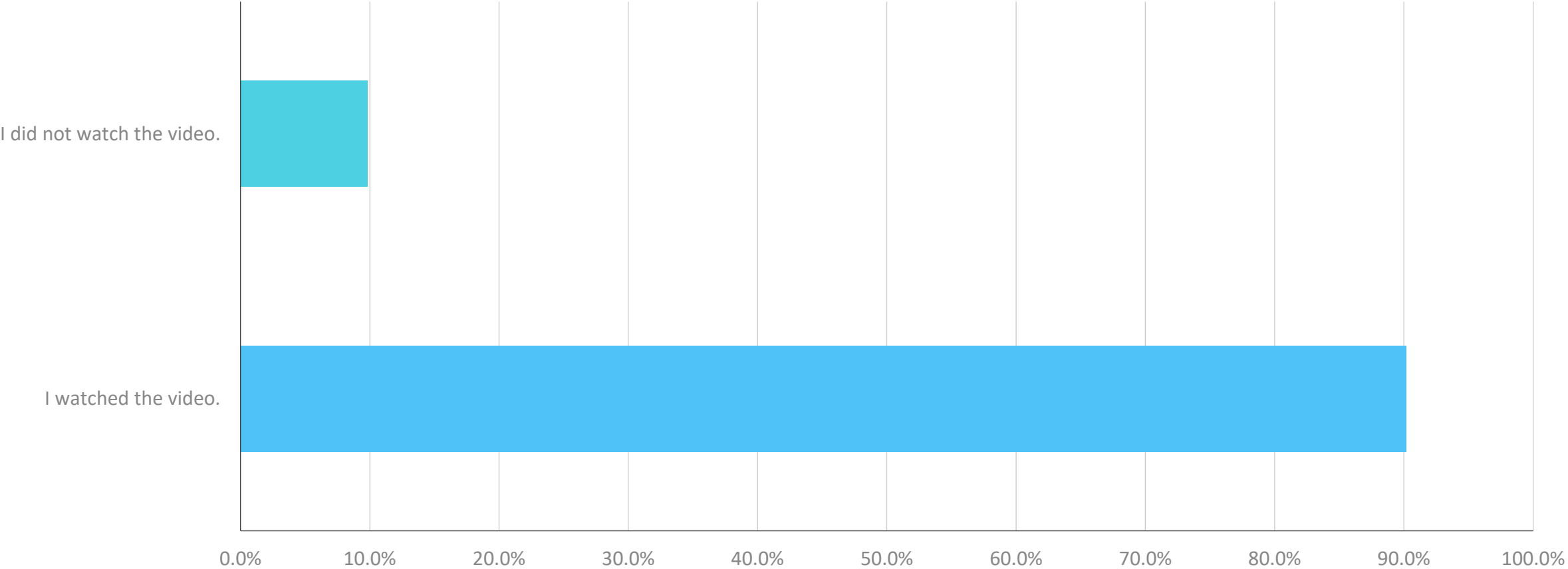
Satisfaction by Service Response Time

How satisfaction with service relates to reported service response time



Watched the video

Did you watch the video?



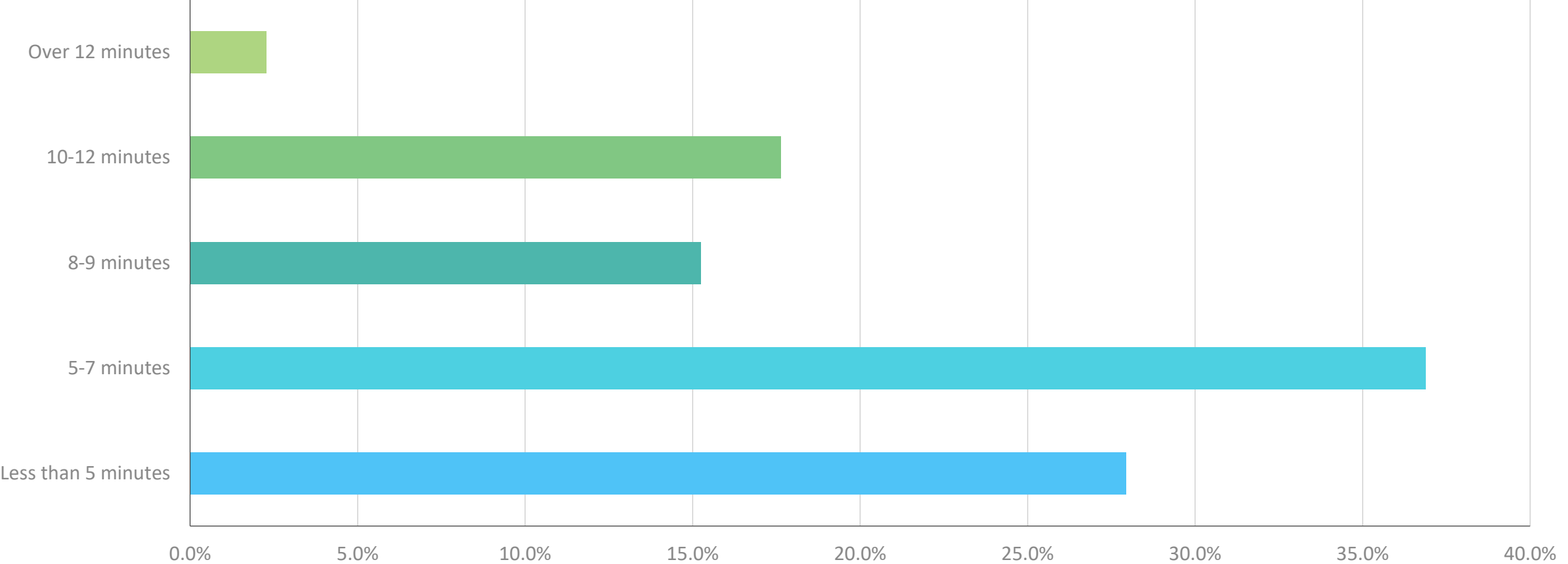
Level of understanding of fire services emergency response

What level of understanding would you say that you have about what goes into a fire department's emergency response? (0-100)

| Level of understanding of fire services emergency response | All |
|--|--------|
| 0-10 | 0.5% |
| 10-20 | 0.2% |
| 20-30 | 0.8% |
| 30-40 | 1.2% |
| 40-50 | 1.8% |
| 50-60 | 7.2% |
| 60-70 | 12.1% |
| 70-80 | 16.1% |
| 80-90 | 16.5% |
| 90-100 | 43.6% |
| N | 91 923 |

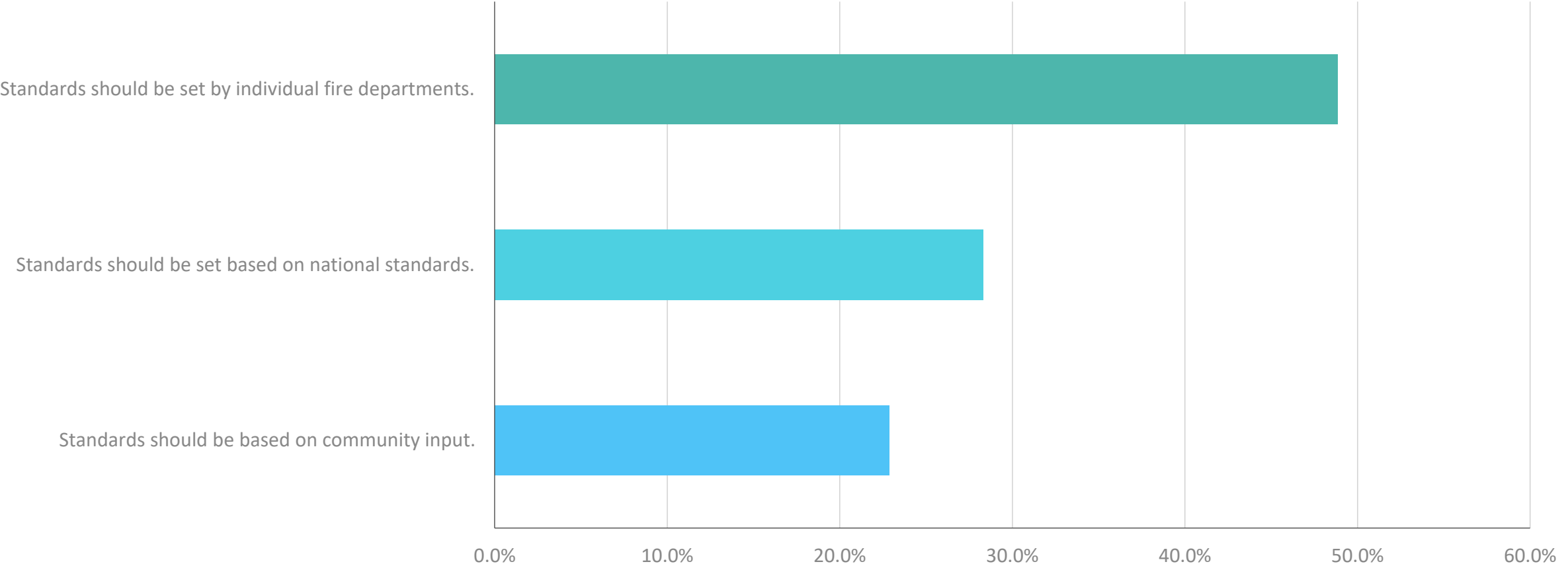
Emergency response time expectation

If you called 911 for fire or medical services to your house, how long do you think it should take for someone to arrive at your incident? Please consider the distance from your location to the nearest fire station.



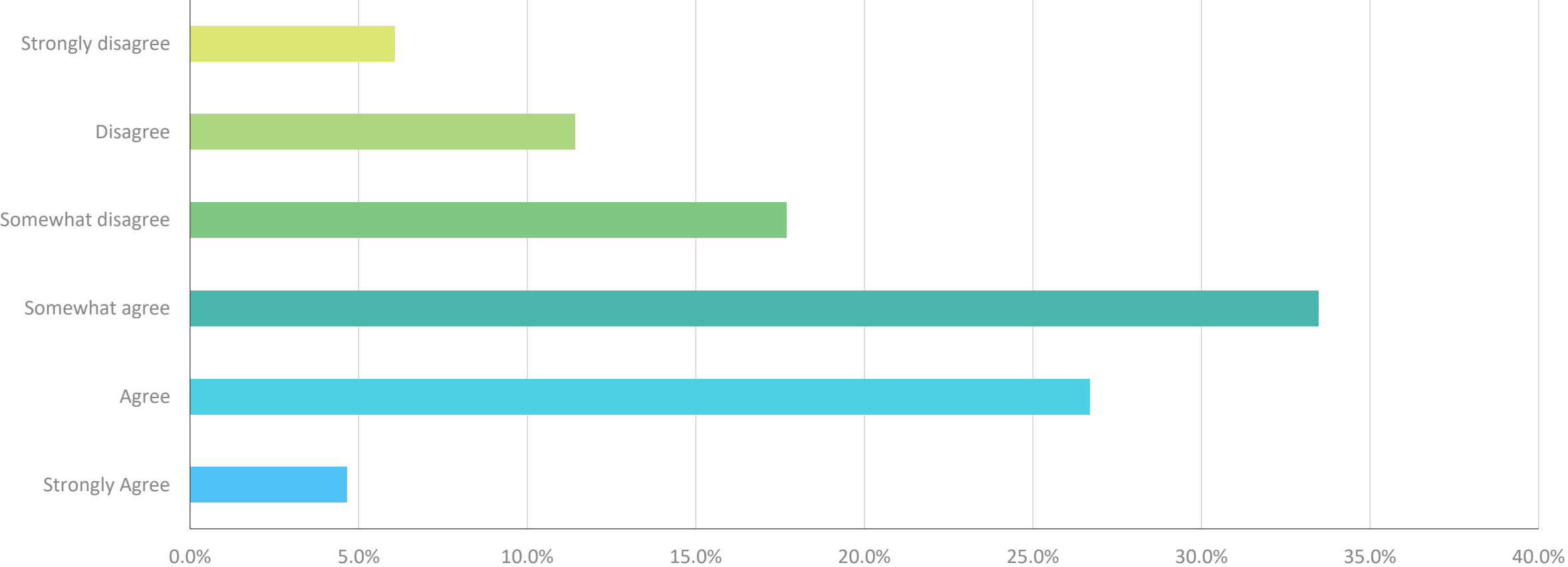
How response time standards should be determined

How should response time standards in Wake County (the amount of time it takes for a department to respond to an incident) be established?



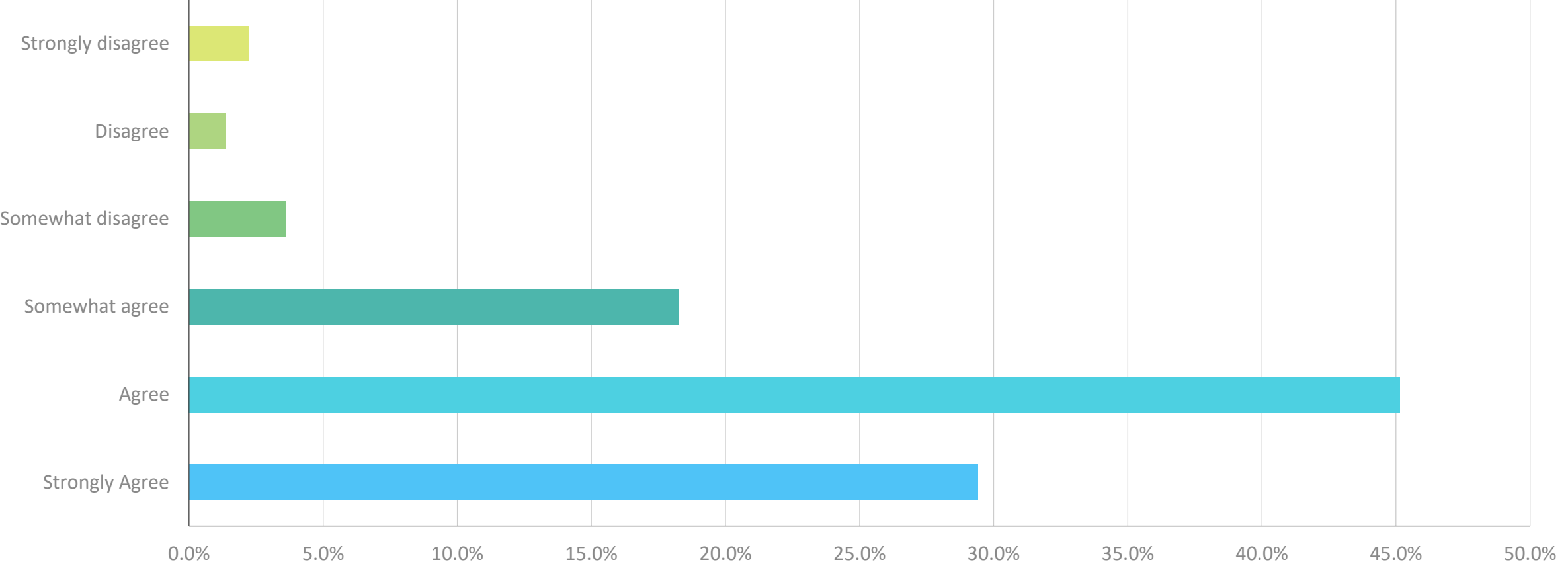
Wake County has enough fire departments given its size.

To what extent do you agree with this statement?



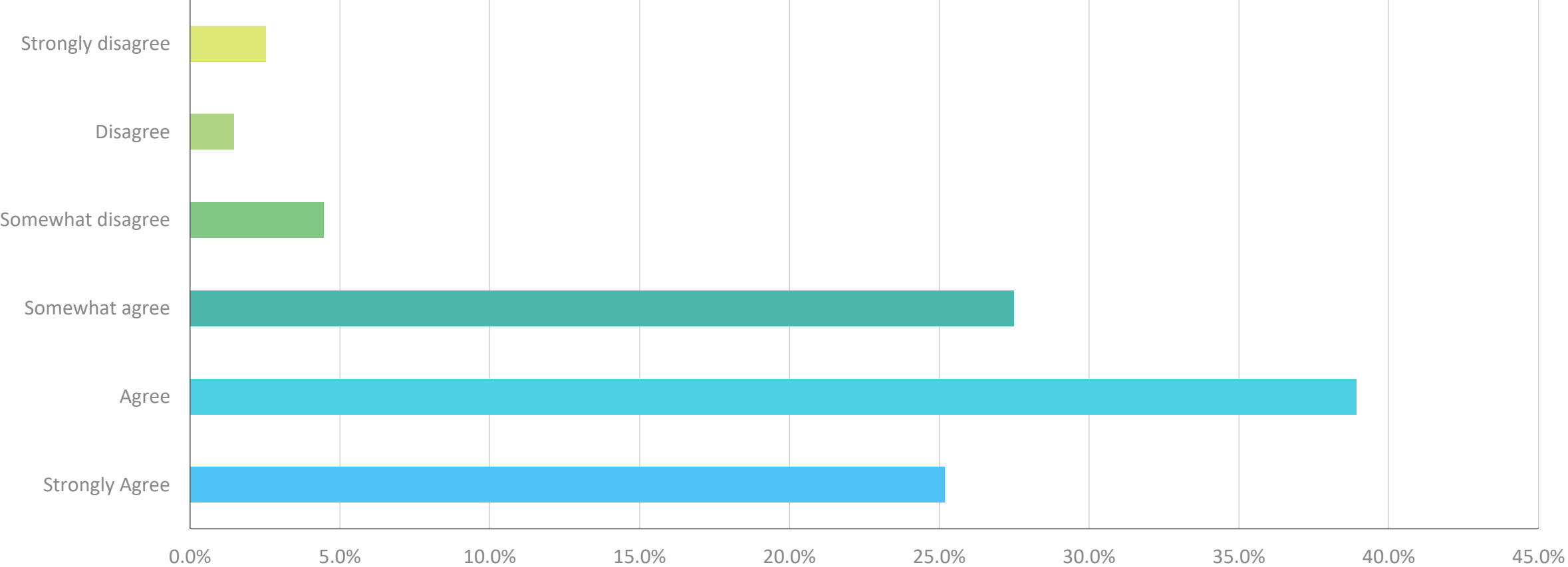
Quality fire services are important to businesses when making decisions about whether to locate or expand here.

To what extent do you agree with this statement?



I would support additional funding for fire services if it meant better services for residents.

To what extent do you agree with this statement?



Wake County Fire Commission

Administrative Sub-Committee

Long Range Planning – Creation of a “Standard of Service” for the non-incorporated areas of Wake County.



Wake County

Board of Commissioners

Goals and Objectives

- PS1.1 – Establish a County-wide standard for fire service in the unincorporated areas and develop a plan to achieve and sustain agreed upon service levels.

Focus areas...

| Response Plans (for each incident type) | Minimum Staffing Levels | Performance Objectives for incident ops. | Response Time Goals |
|--|------------------------------------|---|--------------------------------|
|--|------------------------------------|---|--------------------------------|

Step 1 – Conduct Risk Assessment

Step 2 – Perform Critical Task Analysis

Step 3 – Evaluate baseline performance

Step 4 – External input

Step 5 – Determine and adopt response times and performance objectives.

Step 1 - Conducting a Risk Assessment

- Establish Risk Classifications (Fire, EMS, Hazmat, TR)
- For each classification, identify each possible risk (grass fire, vehicle fire, single family dwelling fire, gas leak, medical call, MVA, etc).
- Use a methodology to categorize each risk (low, moderate, high, maximum).
- Calculate for each rural response district (43)

Building a Risk Assessment Classifications

| FIRE | EMS | HAZMAT | TR |
|---|--|---|--|
| <ul style="list-style-type: none">• Grass Fire• Woods Fire• Trash Fire• Vehicle Fire• Fire Alarm• Sm non-dwelling• Lg. non-dwelling• Cooking Fire• Chimney Fire• Single Family• Multi Family• Comm. Fire• Target Haz. | <ul style="list-style-type: none">• Walk-in• Lift Asst.• Medical Call < 6• MVA < 6• Any medical call with 6 or more patients | <ul style="list-style-type: none">• Investigations• CO Incident• Small Fuel Spill• Lg. Fuel Spill• LP or Natural gas leak• Hazmat release requiring tech response or large evacuations | <ul style="list-style-type: none">• Person locked in vehicle/building• Elevator entrapment• Vehicle/machinery extrication• Swift water• Trench• Confined Space• High/low angle |

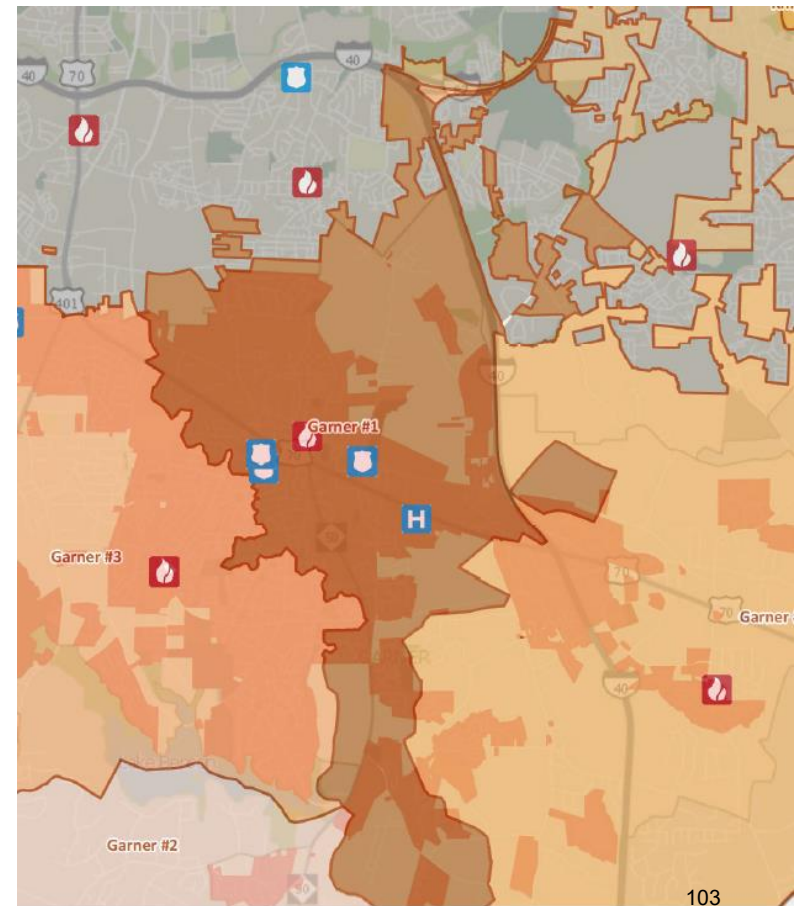
How to measure Risk...

- 3 Axis Approach, measuring:
 - Probability of a risk occurring
 - Consequence of the risk occurring
 - Impact on fire department resources if the risk occurs.

Risk Assessment Example

Garner Station 1 Rural

- 35 road miles
- 6.642 Square miles
- 1,538 population
- 232 per sq. mile



Example Risk Assessment

Wake County Fire Risk Assessment

| Fire | Probability | Consequence | Impact | Risk Score | Risk Assessment |
|--|----------------------|-------------|--------|------------|-----------------|
| Electrical Problem | 2 | 2 | 2 | 4.90 | Low |
| Grass/Woods/Trash Fire | 4 | 2 | 2 | 8.49 | Low |
| Vehicle Fire | 4 | 2 | 2 | 8.49 | Low |
| Automatic Alarms | 4 | 2 | 2 | 8.49 | Low |
| Chimney Fire | 2 | 4 | 6 | 19.80 | Moderate |
| Cooking Fire, contained | 2 | 4 | 6 | 19.80 | Moderate |
| Structure Fire (Less than 5,000 sqft) | 2 | 4 | 8 | 25.92 | High |
| Structure Fire (5,001-10,000 sqft) | 2 | 5 | 8 | 31.27 | Maximum |
| Structure Fire (greater than 10,000 sqft)/Target Hazards | 2 | 8 | 8 | 48.00 | Maximum |
| Fire Department: | Garner Fire - Rescue | | | | |
| Station District: | Station 1 | | | | |
| Years Evaluated: | 2018 | | | | |

| Garner Sta. 4 | 2015 | | 2016 | | 2017 | | 2018 | | Total |
|--|-------------|-------|-------------|-------|-------------|-------|-------------|-------|---------------------|
| Total number of calls for service | 497 | | 604 | | 567 | | 553 | | 2221 |
| | | | | | | | | | |
| Fire | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
| Electrical/Odor Investigation | 7 | 8.49 | 13 | 8.49 | 4 | 4.49 | 9 | 8.49 | 7.49 |
| Woods/Trash/Grass | 20 | 8.49 | 17 | 8.49 | 28 | 8.49 | 28 | 8.49 | 8.49 |
| Vehicle Fires | 5 | 8.49 | 12 | 8.49 | 7 | 8.49 | 7 | 8.49 | 8.49 |
| Fire Alarms | 28 | 8.49 | 27 | 8.49 | 19 | 8.49 | 20 | 8.49 | 8.49 |
| Chimney | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 0 | 19.8 | 19.80 |
| Cooking-Contained | 1 | 19.8 | 0 | 19.8 | 0 | 19.8 | 2 | 19.8 | 19.80 |
| Structure less 5000 | 7 | 33.94 | 2 | 25.92 | 5 | 33.94 | 5 | 33.94 | 31.94 |
| Structure 5K-10K | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 0 | 31.27 | 31.27 |
| Structure greater 10K | 0 | 48 | 0 | 48 | 0 | 48 | 0 | 48 | 48.00 |
| | | | | | | | | | |
| Haz Mat | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
| Investigations/Odor | 4 | 4.49 | 2 | 4.49 | 6 | 8.49 | 2 | 4.49 | 5.49 |
| Small Fuel Spill | 3 | 4.49 | 1 | 4.49 | 1 | 4.49 | 0 | 4.49 | 4.49 |
| Large Fuel Spill | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 0 | 13.86 | 13.86 |
| CO Incident | 0 | 13.86 | 1 | 13.86 | 0 | 13.86 | 1 | 13.86 | 13.86 |
| LP/Natural Gas Leak | 0 | 13.86 | 3 | 13.86 | 1 | 13.86 | 1 | 13.86 | 13.86 |
| Haz Mat Release | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |
| | | | | | | | | | |
| EMS | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Risk Average |
| Walk In | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 0 | 8.49 | 8.49 |
| Medical Call | 189 | 19.8 | 210 | 19.8 | 195 | 19.8 | 191 | 19.8 | 19.8 |
| MVA Less than 6 | 75 | 26.53 | 118 | 26.53 | 102 | 26.53 | 106 | 26.53 | 26.53 |
| MVA Greater than 6 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 28.14 |
| | | | | | | | | | |
| Tech Rescue | 2015 | Risk | 2016 | Risk | 2017 | Risk | 2018 | Risk | Average |
| Lock In | 0 | 4.49 | 1 | 4.49 | 0 | 4.49 | 1 | 4.49 | 4.49 |
| Elevator | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 0 | 4.49 | 4.49 |
| VMR Extrication | 1 | 13.86 | 2 | 13.86 | 1 | 13.86 | 1 | 13.86 | 13.86 |
| Confined Space/Trench/Swift water/High angle | 0 | 28.14 | 0 | 28.14 | 0 | 28.14 | 1 | 28.14 | 28.14 |

Step 2 - Critical Task Analysis, Developing Effective Response Force

| High/Maximum Fire Risk Critical Tasks | |
|--|---------------------|
| Critical Task | Number of Personnel |
| Command/Safety/Accountability | 1 |
| Fire Attack | 4 |
| RIT | 2 |
| Search/Rescue | 2 |
| Vent/Utilities/Ladder ops | 3 |
| Pump Operator | 1 |
| Fire Suppression ERF | 13 |
| 3 Engines, 1 Rescue/Ladder, 1 Chief | |
| | |
| Non-Hydrant Response | |
| Tanker Response (3 Tankers) *removed from ERF | 3 |
| Water Supply Engine | 3 |
| Total ERF | 16/19 |

Critical Task Analysis

- This answers the question of why you need the number of firefighters you say you need at a certain type of emergency incident.
- This also starts to tie all the steps together and explain why they were important steps to get to a data driven recommendation.
- The risk assessment identifies that the need (risk) exists and categorizes it (low, moderate, high, maximum), which provides information to determine the needed resources to respond (number of firefighters).

Step 3 - Baseline Performance Evaluation

- Current travel time performance
- Emergency response only
- Evaluated first apparatus travel times
- Evaluated effective response force (ERF) travel times
- Included GIS modeling to ensure county wide representation

First Unit Response Travel Time

Data date range 5/14/2019-5/1/2020

| Department | Number of Calls | 90 th Travel Time |
|---------------------------|-----------------|------------------------------|
| Apex | 110 | 8:30 |
| Cary | 22 | 4:48 |
| Durham Highway | 184 | 5:57 |
| Eastern Wake (Knightdale) | 554 | 6:48 |
| Fairview | 499 | 5:31 |
| Fuquay | 727 | 7:37 |
| Garner | 1,178 | 7:41 |
| Holly Springs | 94 | 8:04 |
| Hopkins | 75 | 6:26 |
| Morrisville | 130 | 7:52 |
| Northern Wake | 589 | 6:50 |
| North West Wake Hook | 60 | 13:12 |
| Rolesville | 130 | 6:17 |
| Swift Creek | 148 | 6:16 |
| Wake Forest | 282 | 5:59 |
| Wake New Hope | 246 | 6:43 |
| Wendell | 143 | 7:18 |
| Western Wake | 51 | 6:35 |
| Zebulon | 99 | 6:21 |

System wide – 7 minutes and 8 seconds (5,242 calls evaluated)

Effective Response Force (ERF)

Data date range 5/14/2019-5/1/2020

| Location | District | Call Type | ERF Travel (16) | ERF Travel (19) |
|--------------------------|-------------------|--------------------------------|-----------------|-----------------|
| 324 Hunters Farm Dr | GFD RURAL GAR17 | Structure Fire Residential | 10:12 | 11:47 |
| 6208 Hirondeille Ct | HSFD RURAL HSR17 | Structure Fire Residential | 9:33 | 11:10 |
| 8617 Bostian Dr | FFD RURAL FFR08 | Structure Fire Residential | 8:01 | 12:02 |
| 1219 S Spring Garden Cir | GFD RURAL GAR17 | Structure Fire Mobile Home | 8:03 | 8:06 |
| 107 QUAIL CROSSING DR | WFFD RURAL WFR20 | Structure Fire Mobile Home | 4:53 | N/A |
| 117 Belve Dr | GFD RURAL GAR17 | Structure Fire Residential | 10:42 | 12:40 |
| 1520 Consett Ct | NWFD RURAL NWR33 | Structure Fire Residential | 10:56 | 10:56 |
| 2729 BROOKWOOD DR | FFD RURAL FFR08 | Structure Fire Residential | 8:08 | 8:53 |
| 215 GIPSON DR | GFD RURAL GAR42 | Structure Fire Residential | 10:49 | 12:15 |
| 4926 Fayetteville Rd | GFD RURAL GAR17 | Structure Fire High Life Hazar | 13:37 | N/A |
| 7904 Mitchell Mill Rd | ROFD RURAL RVR06 | Structure Fire Residential | 10:47 | N/A |
| 8433 Greythorne Pl | EWFD RURAL EWR24 | Structure Fire Residential | 13:38 | N/A |
| 9924 Scottie Dr | DUTFD RURAL DVR01 | Structure Fire Large Non Dwell | 14:31 | N/A |
| 5949 Sunset Lake Rd | HSFD RURAL HSR05 | Structure Fire Residential | 7:40 | N/A |
| 3509 Misty River Dr | EWFD RURAL EWR24 | Structure Fire Residential | 12:17 | N/A |
| 3608 Lodge Dr | EWFD RURAL EWR24 | Structure Fire Residential | 14:29 | 16:35 |
| 6400 Johnson Pond Rd | FVFD RURAL FVR18 | Structure Fire Commercial | 8:50 | N/A |
| 1712 Old Crews Rd | NHFD RURAL NHR40 | Structure Fire Mobile Home | 7:50 | N/A |
| 3816 Benson Rd | GFD RURAL GAR17 | Structure Fire Residential | 13:08 | N/A |
| 5617 Treestand Ct | GFD RURAL GAR17 | Structure Fire Residential | 12:34 | N/A |
| 1504 Old Crews Rd | NHFD RURAL NHR40 | Structure Fire Residential | 10:25 | 10:25 |
| 3413 Horseshoe Bnd | NWFD RURAL NWR33 | Structure Fire Small Non Dwell | 7:44 | 11:30 |
| 1924 Rolesville Rd | ROFD RURAL RVR06 | Structure Fire Large Non Dwell | 4:57 | N/A |
| 4213 Bluewing Rd | NHFD RURAL NHR40 | Structure Fire Residential | 8:05 | N/A |
| 6109 Buffaloe Rd | NHFD RURAL NHR40 | Structure Fire Mobile Home | 13:23 | N/A |
| 13019 Creedmoor Rd | NWFD RURAL NWR33 | Structure Fire Large Non Dwell | 9:49 | N/A |
| 5429 Fayetteville Rd | GFD RURAL GAR17 | Structure Fire Commercial | 8:32 | 11:37 |
| 6805 Rex Rd | HSFD RURAL HSR17 | Structure Fire Residential | 12:48 | N/A |
| 8305 Riley Hill Rd | ZFD RURAL ZFR12 | Structure Fire Mobile Home | 9:24 | N/A |
| 3009 Villawood Cir | FFD RURAL FFR08 | Structure Fire Residential | 10:48 | N/A |
| 6317 People Rd | HSFD RURAL HSR17 | Structure Fire Residential | 10:20 | N/A |
| 126 Buffaloe Acres Ln | GFD RURAL GAR17 | Structure Fire Commercial | 14:04 | N/A |
| 5205 Tustin Ct | FVFD RURAL FVR18 | Structure Fire Residential | 9:48 | N/A |
| 101 Saunders Grove Ln | MFD Rural | Structure Fire Residential | 4:42 | 4:42 |
| 7800 Hendricks Rd | MFD Rural | Structure Fire Residential | 5:52 | 5:52 |
| 9832 Ten Ten Rd | GFD RURAL GAR17 | Structure Fire Large Non Dwell | 8:08 | 12:45 |
| 906 Sunny Ln | GFD RURAL GAR17 | Structure Fire Residential | 8:32 | N/A |

GIS Modeling for ERFs

| Station | # of Staffed | Loc. | Street number | Street name | City | Zip | 1st unit station | 1st unit travel | 2nd unit station | 2nd unit travel | 3rd unit station | 3rd unit travel | 4th unit station | 4th unit travel | 5th unit station | 5th unit travel | 6th unit station | 6th unit travel |
|-------------------|--------------|------|---------------|--------------------|---------|-------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| Swiftcreek Sta. 1 | 1 | 1 | 4608 | Fielding Dr | Raleigh | 27606 | SC1 | 4.85 | FF1 | 6.84 | FF2 | 11.91 | AF4 | 12.39 | AF4 | 12.39 | HS1 | 12.89 |
| | | 2 | 2500 | Mid Pines Rd | Raleigh | 27606 | S20 | 1.53 | SC1 | 3.96 | GF3 | 9.17 | GF1 | 9.41 | GF1 | 9.41 | WW1 | 9.52 |
| | | 3 | 4909 | Yates Mill Pond Rd | Raleigh | 27606 | SC1 | 3.89 | FF2 | 7.63 | FF1 | 9.37 | GF3 | 10.25 | WW1 | 12.27 | GF1 | 12.63 |

Distribution and Concentration of Resources

Distribution – How long does it take for 1 fire resource to respond (basic station location analysis).



Concentration – How long does it take for the effective response force to respond (multiple fire stations and/or more than 1 resource at 1 fire station).

Step 4 - External Input from Community Survey

- Produced and Published by Wake County Communications Department
- 1,384 Surveys Completed (all from individuals in the unincorporated areas of Wake County)
- Full survey results in report.



Fire Tax District Community Involvement Survey

What people are saying?



Includes: Strongly Agree, Somewhat Agree & Agree

Top 10 Words to Describe Fire Services



1,384

Survey Responses

74%

Watched Video

59%

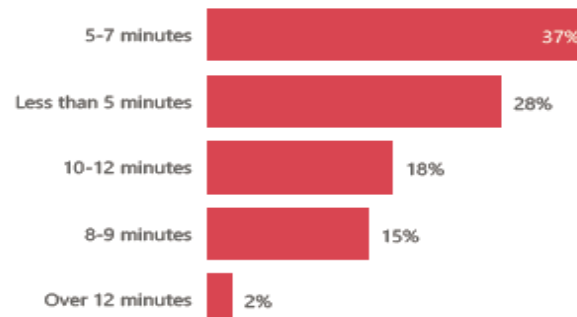
% No Services

What about time standards?

Time Standards



911 Arrival Time

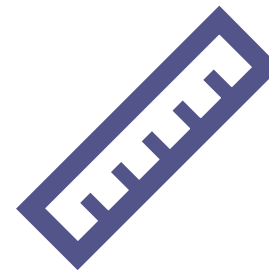


Step 5 - Determine and adopt response times and performance objectives

| Response Plans (for each incident type) | Minimum Staffing Levels | Performance Objectives for incident ops. | Response Time Goals |
|---|----------------------------|--|------------------------|
|---|----------------------------|--|------------------------|



This is the “Standard
of Service”



This is the
“measuring stick”

FIRE

The first arriving apparatus for all fire risk classifications responding emergency traffic with a minimum of three (3) qualified firefighters should be 7 minutes 0 seconds of travel time in the unincorporated districts of Wake County, 90 percent of the time.

The first arriving apparatus will be capable of proving 500 gallons of water with a pumping capability of 1,250 gallons per minute; establishing incident command procedures, proving initial size-up report; requesting additional resources if needed; initiate fire attack; perform any needed rescues.

The Effective Response Force (ERF) for any reported structure fire responding emergency traffic with a minimum of 16 qualified firefighters should be 12 minutes 0 seconds, 90 percent of the time.

The ERF for any structure fire will be capable of establishing a command post; establish personnel accountability; establish a safety officer; secure an initial water supply; operate multiple hose lines; establish a rapid intervention crew; perform search and rescue operations; complete forcible entry; provide ventilation and utility control; perform any needed salvage and overhaul operations.

EMS

The first arriving apparatus for all EMS risk classifications responding emergency traffic with a minimum of two (2) firefighters should be 7 minutes 0 seconds travel time in the unincorporated districts of Wake County, 90 percent of the time.

The first arriving crew will be capable of providing Basic Life Support (BLS) care to include the use of an Automatic External Defibrillator (AED), establishing incident command, and document all needed information.

The ERF for high risk medical calls will be capable of establishing triage and providing additional patient care.

*Note that motor vehicle crashes with injuries is part of the medical risk when only dealing with injured patients. Motor vehicle crashes can involve technical rescue and hazmat risks and are evaluated in those sections.

Technical Rescue

The first arriving apparatus for all Technical Rescue (TR) risk classifications responding emergency traffic with a minimum of three (3) firefighters should be 7 minutes 0 seconds in the unincorporated districts of Wake County, 90 percent of the time.

The first arriving apparatus will be capable of establishing incident command procedures, proving initial size-up report; requesting additional resources if needed; creating a safe area, providing basic stabilization and extrication.

The ERF for moderate and high-risk calls will establish rescue operation groups and/or assist technical rescue teams.

Hazmat

The first arriving apparatus for all Hazmat risk classifications responding emergency traffic with a minimum of three (3) firefighters should be 7 minutes 0 seconds in the unincorporated districts Wake County, 90 percent of the time.

The first arriving apparatus will be capable of proving 500 gallons of water with a pumping capability of 1,250 gallons per minute; establishing incident command procedures, proving initial size-up report; requesting additional resources if needed; mitigate situation if possible; start initial evacuations.

The ERF for moderate and high-risk calls will establish mitigation/containment groups, provide additional evacuation groups, and/or assist hazmat teams.

Plan Moving Forward...

- Monitor response times annually to determine any gaps for first arriving apparatus response time goals (Distribution of Fire Stations).
- Monitor response times annually on all structure fires for all arriving apparatus to determine any gaps in response times for the effective response force time goals (Concentration of Fire Stations).
- Conduct risk assessments every 5 years.
- Conduct critical task analysis every 5 years.

Recommendations...

- Wake County Commissioners should adopt the standard of response performance objectives for Fire, EMS, Hazmat, and Technical Rescue outlined in this study for the unincorporated areas.
- Individual fire districts should meet the standard of response performance. If not, Wake County Fire Services staff will evaluate the individual district to determine where the gaps are and provide recommendations to close the gaps.
- The recommended effective response force (ERF) for structure fires did not include tankers. Tankers are an important part of a structure fire response in the rural areas where hydrants are not available. Tankers were not included in the ERF because these apparatus are not staffed and most rely on volunteers to respond from home to get tankers enroute to a fire, which account for a longer than normal response time. It was not easy to determine through the travel time evaluation the effectiveness of tanker responses in Wake County. A tanker response evaluation is recommended to determine if the county has a problem with getting tankers to fires and if so, provide recommendation to solve it.

Recommendations...

- Call Processing plays a part in total response time, however, this study and recommendation only focused on travel time (station locations). It is recommended that call processing time is evaluated, and recommendations are provided.
- Turn out time plays a part in total response time, however, this study and recommendation only focused on travel time (station location). It is recommended that turn out time is evaluated, and time recommendations are provided.

Questions...

WAKE COUNTY FIRE TAX DISTRICT
FY 2021 SYSTEMWIDE OPERATING FINANCIAL REPORT
As of March 11, 2021

| Revenue Source | Adopted Budget | Amended Budget | PTD Actual | Commitments (excluding pending) | YTD Actual | Total Commitments + YTD | Amended Budget Less YTD Actual | YTD % of Amended Budget |
|--|-------------------|-------------------|-------------------|---------------------------------|-------------------|-------------------------|--------------------------------|-------------------------|
| T127 NC DMV Taxes | - | - | 1,528,479 | - | 1,528,479 | 1,528,479 | (1,528,479) | - |
| T128 Refunds of NC DMV Taxes | - | - | (6,114) | - | (6,114) | (6,114) | 6,114 | - |
| T200 Special District Taxes | 29,595,000 | 29,595,000 | 27,128,123 | - | 27,128,123 | 27,128,123 | 2,466,877 | 91.7 |
| C494 Other Local Governments & Non Profits | - | 140,000 | - | - | - | - | 140,000 | - |
| N132 Interest - NCDOT - DMV Taxes | - | - | 806 | - | 806 | 806 | (806) | - |
| N140 Market vs Cost Investment Difference | - | - | (9,240) | - | (9,240) | (9,240) | 9,240 | - |
| N150 Interest Income/Pooled Funds | 51,000 | 51,000 | 10,734 | - | 10,734 | 10,734 | 40,266 | 21.0 |
| Total Revenues | 29,646,000 | 29,786,000 | 28,652,788 | - | 28,652,788 | 28,652,788 | 1,133,212 | 96.2% |

| Expenditure Object | Adopted Budget | Amended Budget | PTD Actual | Commitments (excluding pending) | YTD Actual | Total Commitments + YTD | Amended Budget Less YTD Actual | YTD % of Amended Budget |
|---|-------------------|-------------------|-------------------|---------------------------------|-------------------|-------------------------|--------------------------------|-------------------------|
| 2118 MEDICAL SERVICES - EMPLOYEE MEDICAL EXAM | 220,000 | 220,000 | 70,988 | 96,257 | 70,988 | 167,245 | 52,755 | 32.3 |
| 2185 Systems Software/Hardware Licensing and Maintenance Fees | 41,000 | 41,000 | - | - | - | - | 41,000 | 0.0 |
| 2406 CONTRACTED SERVICES | 115,000 | 115,000 | 12,113 | - | 12,113 | 12,113 | 102,887 | 10.5 |
| 3117 Computer Software Fees | 19,000 | 19,000 | 21,382 | - | 21,382 | 21,382 | (2,382) | 112.5 |
| 3127 OFFICE SUPPLIES | - | - | 110 | - | 110 | 110 | (110) | 0.0 |
| 3162 Vehicle Upfitting Parts | 28,100 | 28,100 | - | - | - | - | 28,100 | 0.0 |
| 3615 Cellular Voice and Data Service | 77,600 | 77,600 | 55,666 | - | 55,666 | 55,666 | 21,934 | 71.7 |
| 3617 DISPATCH SERVICE | 308,000 | 308,000 | 219,928 | 73,309 | 219,928 | 293,237 | 14,763 | 71.4 |
| 3714 MAINTENANCE AND REPAIR OF EQUIPMENT | 5,000 | 5,000 | 128 | 45 | 128 | 174 | 4,826 | 2.6 |
| 4208 CITY OF RALEIGH HAZMAT PROGRAM | 91,000 | 91,000 | - | - | - | - | 91,000 | 0.0 |
| 4224 NC DEPT OF NRCD - FORESTRY | 70,674 | 70,674 | 36,754 | 37,646 | 36,754 | 74,400 | (3,726) | 52.0 |
| 4428 MISC CHARGES FROM OTHER DEPT/DIV | 186,032 | 186,032 | - | - | - | - | 186,032 | 0.0 |
| 4446 800mhz charges from other dept | 161,000 | 161,000 | 80,248 | - | 80,248 | 80,248 | 80,752 | 49.8 |
| 4447 CAD charges from other dept | 41,000 | 41,000 | 10,046 | - | 10,046 | 10,046 | 30,954 | 24.5 |
| 4758 MV Tax Collection Costs | 59,150 | 59,150 | 39,868 | - | 39,868 | 39,868 | 19,282 | 67.4 |
| 6113 Vehicle Replacements | - | - | 191 | - | 191 | 191 | (191) | 0.0 |
| 7102 LEASE PRINCIPAL - DEBT SERVICE | - | - | 577 | 614 | 577 | 1,192 | (1,192) | 0.0 |
| 9109 Transfer to Debt Service from Fire Tax | 1,381,560 | 1,381,560 | - | - | - | - | 1,381,560 | 0.0 |
| 9128 Transfer to Fire Tax CIP | 1,687,000 | 1,687,000 | 1,687,000 | - | 1,687,000 | 1,687,000 | - | 100.0 |
| Department Appropriations | 25,154,884 | 25,294,884 | 16,900,462 | 8,394,422 | 16,900,462 | 25,294,884 | - | 64 |
| Total Expenditures | 29,646,000 | 29,786,000 | 19,135,462 | 8,602,294 | 19,135,462 | 27,737,756 | 2,048,244 | 64.2% |

**WAKE COUNTY FIRE TAX DISTRICT
FY 2021 DEPARTMENT APPROPRIATIONS
As of March 11, 2021**

| Unit Name | Adopted Budget | Amended Budget | PTD Actual | Commitments (excluding pending) | YTD Actual | Total Commitments + YTD | Amended Budget Less YTD Actual | YTD % of Amended Budget |
|-------------------|-------------------|-------------------|-------------------|---------------------------------|-------------------|-------------------------|--------------------------------|-------------------------|
| Apex FD | 1,242,107 | 1,242,107 | 828,071 | 414,036 | 828,071 | 1,242,107 | - | 66.7 |
| Cary FD | 50,000 | 50,000 | - | 50,000 | - | 50,000 | - | - |
| Durham Highway FD | 932,439 | 932,439 | 621,626 | 310,813 | 621,626 | 932,439 | - | 66.7 |
| Knightdale FD | 1,850,483 | 1,990,483 | 1,373,655 | 616,828 | 1,373,655 | 1,990,483 | - | 69.0 |
| Fairview FD | 1,814,774 | 1,814,774 | 1,209,849 | 604,925 | 1,209,849 | 1,814,774 | - | 66.7 |
| Fuquay Varina FD | 1,986,039 | 1,986,039 | 1,324,026 | 662,013 | 1,324,026 | 1,986,039 | - | 66.7 |
| Garner FD | 2,345,943 | 2,345,943 | 1,563,962 | 781,981 | 1,563,962 | 2,345,943 | - | 66.7 |
| Holly Springs FD | 681,150 | 681,150 | 454,100 | 227,050 | 454,100 | 681,150 | - | 66.7 |
| Hopkins FD | 1,037,081 | 1,037,081 | 691,459 | 345,622 | 691,459 | 1,037,081 | - | 66.7 |
| Morrisville FD | 787,833 | 787,833 | 525,222 | 262,611 | 525,222 | 787,833 | - | 66.7 |
| Northern Wake FD | 3,530,500 | 3,530,500 | 2,377,467 | 1,153,033 | 2,377,467 | 3,530,500 | - | 67.3 |
| Rolesville FD | 664,877 | 664,877 | 443,251 | 221,626 | 443,251 | 664,877 | - | 66.7 |
| Swift Creek FD | 849,885 | 849,885 | 566,590 | 283,295 | 566,590 | 849,885 | - | 66.7 |
| Wake Forest FD | 1,524,053 | 1,524,053 | 1,016,035 | 508,018 | 1,016,035 | 1,524,053 | - | 66.7 |
| Wake-New Hope FD | 1,789,348 | 1,789,348 | 1,192,899 | 596,449 | 1,192,899 | 1,789,348 | - | 66.7 |
| Wendell FD | 2,666,968 | 2,666,968 | 1,777,979 | 888,989 | 1,777,979 | 2,666,968 | - | 66.7 |
| Western Wake FD | 828,557 | 828,557 | 552,371 | 276,186 | 552,371 | 828,557 | - | 66.7 |
| Zebulon FD | 572,847 | 572,847 | 381,898 | 190,949 | 381,898 | 572,847 | - | 66.7 |
| Total | 25,154,884 | 25,294,884 | 16,900,462 | 8,394,422 | 16,900,462 | 25,294,884 | - | 66.81% |

**WAKE COUNTY FIRE TAX DISTRICT
CAPITAL FUND BALANCE REPORT
As of March 11, 2021**

Division 8420 Fire Facilities

| Unit | Unit Name | Appropriation Unit | Budgeted Revenues | Actual Revenues to Date | Revenues (Over) / Under Budget | Current Expenditure Budget | Actual Expenses to Date | Commitments | Pending Expenses | Actual Expenses to Date with Commitments and Pending | Remaining Expenditure Budget | Remaining Expenditure Authority (actual balance) |
|--|--|--------------------|-----------------------|-------------------------|--------------------------------|----------------------------|-------------------------|---------------------|------------------|--|------------------------------|--|
| 045F | New Stations | 8420V0100 | \$455,000.00 | \$455,000.00 | \$0.00 | \$455,000.00 | \$0.00 | \$0.00 | - | \$0.00 | \$455,000.00 | \$455,000.00 |
| 049F | Garner #4, Fire Tax Portion | 8420V0100 | \$1,953,539.13 | \$1,892,539.13 | \$61,000.00 | \$1,953,539.13 | \$1,953,539.13 | \$0.00 | - | \$1,953,539.13 | (\$0.00) | (\$61,000.00) |
| 050F | Wendell Falls Station, Fire Tax Portion | 8420V0100 | \$4,360,714.10 | \$4,360,714.10 | \$0.00 | \$4,360,714.10 | \$4,198,850.16 | \$10,116.95 | - | \$4,208,967.11 | \$151,746.99 | \$151,746.99 |
| 057F | Fire Planned Facility Repairs | 8420V0100 | \$1,596,153.38 | \$1,596,153.38 | \$0.00 | \$1,596,153.38 | \$1,382,532.13 | \$210,652.31 | - | \$1,593,184.44 | \$2,968.94 | \$2,968.94 |
| 111F | Fire Planned Facility Repairs & Renovations - FY20 | 8420V0100 | \$254,000.00 | \$277,706.00 | (\$23,706.00) | \$254,000.00 | \$198,880.09 | \$26,727.49 | - | \$225,607.58 | \$28,392.42 | \$52,098.42 |
| 119F | Fire Planned Facility Repairs & Renovations - FY21 | 8420V0100 | \$226,000.00 | \$226,000.00 | \$0.00 | \$226,000.00 | \$54,184.58 | \$127,410.05 | - | \$181,594.63 | \$44,405.37 | \$44,405.37 |
| Total Division 8420 Fire Facilities | | | \$8,845,406.61 | \$8,808,112.61 | \$37,294.00 | \$8,845,406.61 | \$7,787,986.09 | \$374,906.80 | - | \$8,162,892.89 | \$682,513.72 | \$645,219.72 |

Division 8430 Fire Fighting Equipment

| Unit | Unit Name | Appropriation Unit | Budgeted Revenues | Actual Revenues to Date | Revenues (Over) / Under Budget | Current Expenditure Budget | Actual Expenses to Date | Commitments | Pending Expenses | Actual Expenses to Date with Commitments and Pending | Remaining Expenditure Budget | Remaining Expenditure Authority (actual balance) |
|--|-------------------------------------|--------------------|-----------------------|-------------------------|--------------------------------|----------------------------|-------------------------|---------------------|------------------|--|------------------------------|--|
| 041F | CONTINGENCIES & GRANT MATCHES | 8400P0100 | \$131,603.00 | \$131,603.00 | \$0.00 | \$131,603.00 | \$114,508.54 | \$0.00 | - | \$114,508.54 | \$17,094.46 | \$17,094.46 |
| 066F | Fire SCBA's | 8430V0300 | \$1,900,800.57 | \$1,900,800.57 | \$0.00 | \$1,900,800.57 | \$1,856,163.36 | \$0.00 | - | \$1,856,163.36 | \$44,637.21 | \$44,637.21 |
| 073F | Pager Replacements | 8430V0300 | \$801,603.70 | \$801,603.70 | \$0.00 | \$801,603.70 | \$539,044.07 | \$0.00 | - | \$539,044.07 | \$262,559.63 | \$262,559.63 |
| 107F | Turnout Gear - FY20 | 8430V0300 | \$308,000.00 | \$308,000.00 | \$0.00 | \$308,000.00 | \$234,893.67 | \$40,442.07 | - | \$275,335.74 | \$32,664.26 | \$32,664.26 |
| 108F | Fire Defibrillators - FY20 | 8430V0300 | \$75,000.00 | \$75,000.00 | \$0.00 | \$75,000.00 | \$49,543.71 | \$0.00 | - | \$49,543.71 | \$25,456.29 | \$25,456.29 |
| 115F | Turnout Gear - FY21 | 8430V0300 | \$365,000.00 | \$365,000.00 | \$0.00 | \$365,000.00 | \$105,029.36 | \$129,721.75 | \$72.00 | \$234,823.11 | \$130,176.89 | \$130,176.89 |
| 116F | Fire Defibrillators - FY21 | 8430V0300 | \$98,000.00 | \$98,000.00 | \$0.00 | \$98,000.00 | \$23,800.00 | \$18,850.00 | - | \$42,650.00 | \$55,350.00 | \$55,350.00 |
| 117F | Fire Thermal Imaging Cameras - FY21 | 8430V0300 | \$56,000.00 | \$56,000.00 | \$0.00 | \$56,000.00 | \$44,280.96 | \$0.00 | - | \$44,280.96 | \$11,719.04 | \$11,719.04 |
| 118F | Fire Small Capital - FY21 | 8430V0300 | \$168,000.00 | \$168,000.00 | \$0.00 | \$168,000.00 | \$112,505.20 | \$49,997.00 | - | \$162,502.20 | \$5,497.80 | \$5,497.80 |
| 122F | Pagers & Infrastructure | 8430V0300 | \$424,000.00 | \$424,000.00 | \$0.00 | \$424,000.00 | \$0.00 | \$120,486.00 | - | \$120,486.00 | \$303,514.00 | \$303,514.00 |
| Total Division 8430 Fire Fighting Equipment | | | \$4,328,007.27 | \$4,328,007.27 | \$0.00 | \$4,328,007.27 | \$3,079,768.87 | \$359,496.82 | \$72.00 | \$3,439,337.69 | \$888,669.58 | \$888,669.58 |

Division 8440 Fire Apparatus

| Unit | Unit Name | Appropriation Unit | Budgeted Revenues | Actual Revenues to Date | Revenues (Over) / Under Budget | Current Expenditure Budget | Actual Expenses to Date | Commitments | Pending Expenses | Actual Expenses to Date with Commitments and Pending | Remaining Expenditure Budget | Remaining Expenditure Authority (actual balance) |
|---|------------------------------------|--------------------|-----------------------|-------------------------|--------------------------------|----------------------------|-------------------------|-----------------------|------------------|--|------------------------------|--|
| 054F | General Fire Apparatus | 8440V0100 | \$324,214.97 | \$324,214.97 | \$0.00 | \$324,214.97 | \$145,049.06 | \$24,729.38 | - | \$169,778.44 | \$154,436.53 | \$154,436.53 |
| 056F | Fire Small Vehicles | 8440V0100 | \$967,322.04 | \$967,322.04 | \$0.00 | \$967,322.04 | \$911,301.57 | \$0.00 | - | \$911,301.57 | \$56,020.47 | \$56,020.47 |
| 089F | Apparatus Emergency Repairs | 8440V0100 | \$375,000.00 | \$375,000.00 | \$0.00 | \$375,000.00 | \$283,503.04 | \$0.00 | - | \$283,503.04 | \$91,496.96 | \$91,496.96 |
| 091F | FY18 Large Apparatus - Rural | 8440V0100 | \$1,294,581.00 | \$1,294,581.00 | \$0.00 | \$1,294,581.00 | \$1,230,887.00 | \$0.00 | - | \$1,230,887.00 | \$63,694.00 | \$63,694.00 |
| 095F | Cost Share apparatus debt payments | 8440V0100 | \$317,131.74 | \$317,131.74 | \$0.00 | \$317,131.74 | \$258,531.48 | \$28,498.23 | - | \$287,029.71 | \$30,102.03 | \$30,102.03 |
| 103F | FY20 Large Apparatus - Rural | 8440V0100 | \$1,789,053.00 | \$1,789,053.00 | \$0.00 | \$1,789,053.00 | \$1,349,155.00 | \$0.00 | - | \$1,349,155.00 | \$439,898.00 | \$439,898.00 |
| 104F | FY20 Large Apparatus - Municipal | 8440V0100 | \$135,102.00 | \$135,102.00 | \$0.00 | \$135,102.00 | \$55,000.00 | \$0.00 | - | \$55,000.00 | \$80,102.00 | \$80,102.00 |
| 106F | Small Vehicles - FY20 | 8440V0100 | \$93,000.00 | \$93,000.00 | \$0.00 | \$93,000.00 | \$66,934.62 | \$0.00 | - | \$66,934.62 | \$26,065.38 | \$26,065.38 |
| 112F | FY21 Large Apparatus-Cash | 8440V0100 | \$80,000.00 | \$80,000.00 | \$0.00 | \$80,000.00 | \$0.00 | \$0.00 | - | \$0.00 | \$80,000.00 | \$80,000.00 |
| 120F | FY21 Large Apparatus-Debt | 8440V0100 | \$1,394,000.00 | \$1,394,000.00 | \$0.00 | \$1,394,000.00 | \$0.00 | \$1,368,768.00 | - | \$1,368,768.00 | \$25,232.00 | \$25,232.00 |
| 121F | Northern Wake Tanker Replacement | 8440V0100 | \$380,000.00 | \$380,975.00 | (\$975.00) | \$380,000.00 | \$0.00 | \$337,058.00 | - | \$337,058.00 | \$42,942.00 | \$43,917.00 |
| Total Division 8440 Fire Apparatus | | | \$7,149,404.75 | \$7,150,379.75 | (\$975.00) | \$7,149,404.75 | \$4,300,361.77 | \$1,759,053.61 | - | \$6,059,415.38 | \$1,089,989.37 | \$1,090,964.37 |

Division 8499 Fire Capital Uncommitted

| Unit | Unit Name | Appropriation Unit | Budgeted Revenues | Actual Revenues to Date | Revenues (Over) / Under Budget | Current Expenditure Budget | Actual Expenses to Date | Commitments | Pending Expenses | Actual Expenses to Date with Commitments and Pending | Remaining Expenditure Budget | Remaining Expenditure Authority (actual balance) |
|---|--|--------------------|-------------------|-------------------------|--------------------------------|----------------------------|-------------------------|----------------|------------------|--|------------------------------|--|
| 098F | Garner Station #4 Interlocal Agreement | 8490V0100 | \$180,500.00 | \$305,000.00 | (\$124,500.00) | \$180,500.00 | \$0.00 | \$0.00 | - | \$0.00 | \$180,500.00 | \$305,000.00 |
| 099F | Fire Capital Uncommitted | 8490V0100 | (\$0.00) | \$3,515,544.49 | (\$3,515,544.49) | \$0.00 | (\$1,472.00) | \$0.00 | - | (\$1,472.00) | \$1,472.00 | \$3,517,016.49 |
| Total Division 8499 Fire Capital Uncommitted | | | \$180,500.00 | \$3,820,544.49 | (\$3,640,044.49) | \$180,500.00 | (\$1,472.00) | \$0.00 | - | (\$1,472.00) | \$181,972.00 | \$3,822,016.49 |
| Total Department 84 Fire And Rescue CIP | | | \$20,503,318.63 | \$24,107,044.12 | (\$3,603,725.49) | \$20,503,318.63 | \$15,166,644.73 | \$2,493,457.23 | \$72.00 | \$17,660,173.96 | \$2,843,144.67 | \$6,446,870.16 |
| Total Fund: 4400 Fire CIP | | | \$20,503,318.63 | \$24,107,044.12 | (\$3,603,725.49) | \$20,503,318.63 | \$15,166,644.73 | \$2,493,457.23 | \$72.00 | \$17,660,173.96 | \$2,843,144.67 | \$6,446,870.16 |