

Fire and Rescue Department

Mission To provide the highest quality services to protect the lives, property, and environment of our community.

Focus The Fire and Rescue Department (FRD) currently operates 38 fire stations. Fire stations are staffed full time by County personnel with supplemental services provided by volunteers. The department operates from an “all-hazards” platform and serves Fairfax County and its residents by suppressing fires; providing advanced life support; pre-hospital emergency medical care; rescue operations (i.e. searching for and rescuing persons who become trapped in fires, and extrication from vehicle accidents); and special operations, including the release or spill of hazardous materials, technical rescue (i.e. swift water rescue, building or trench collapse, high angle or rope rescue), marine operations (i.e. water rescue, boat fires, fuel spills) on the lower Potomac and Pohick Bay, and performing emergency planning. The Fire Marshal's Office investigates fires, bombings and hazardous material releases. The department also supports regional, national, and international emergency response operations during disaster situations through maintaining and supporting the Urban Search and Rescue (US&R) Team (Virginia Task Force 1), the National Capital Region Incident Management Team, and other response groups. The US&R Team is one of only two teams in the United States federally sponsored for international disaster response.

Additionally, FRD provides critical non-emergency services to prevent the 911 call, such as community risk reduction, educating the public on fire and personal safety issues, providing public information and prevention education, and enforcing fire prevention and life safety codes in all public buildings.

FRD also operates a number of facilities to ensure personnel are trained and prepared to perform the mission. The Fire and Rescue Academy provides firefighter, rescue, and emergency medical training and conducts citizen emergency response training. Two apparatus shops are staffed to ensure emergency response vehicles are safe and service-ready.

FRD actively engages at local, regional and national levels to meet the challenges of emergency response and prevention. Robust life safety education programs, concentrated enforcement of fire prevention codes and operational personnel dedicated to protecting lives are instrumental in the County maintaining a low fatality record. Regionally, FRD has built collaborative relationships with surrounding localities and organizations necessary for responding to emergency incidents regardless of jurisdictional boundaries and across public safety disciplines.

Despite high demands for emergency services (almost 105,000 incidents in FY 2019) and tightened financial resources, FRD has maintained its ability to meet core responsibilities while striving to remain on the cutting edge of safety and technological advancements. To fund many initiatives the department continually seeks alternative funding sources. During FY 2019, FRD was awarded in excess of \$11.6 million in grant funds. Grant funding is used to support Urban Search and Rescue personnel, purchase personal protective equipment and emergency response vehicles, as well as to support firefighter training and education.

FRD is dedicated to being the best community-focused fire and rescue department and ensuring a safe and secure environment for all residents and visitors. To successfully meet challenges posed by increasing urbanization and a more densely populated response area, FRD will continue to be progressive in efforts to achieve economies of scale through regional cooperation, seek out innovative methods for keeping pace with technology, sustain programs to maintain a healthy workforce and adjust staffing configurations to meet the needs of future growth in Fairfax County.

In August 2018, FRD became an accredited agency with the Commission on Fire Accreditation International (CFAI). The required Annual Compliance Report was completed and adopted by the Commission in September 2019. FRD also holds a Class 1 rating from the Insurance Service Office (ISO). The department is one of only three agencies worldwide that serves a population greater than one million that is accredited by CFAI and holds an ISO Class 1 rating.

Pandemic Response and Impact

Since the beginning of the COVID-19 pandemic, Fairfax County Fire and Rescue Department has been responding to COVID-19 emergency medical events at a rate of 60 to 90 calls per day. Fire and Rescue responds to these facilities 30 times a day and considers all personnel inside of these facilities to be COVID-19 Persons Under Investigation (PUI). Fire and rescue units also transport personnel from four initial COVID-19 care facilities located within the Fairfax County Health District. When providers respond to a prescreened positive event, COVID cluster facility, unconscious/unresponsive patient, cardiac arrest, or any event that requires an aerosol generating procedure they don full COVID Personal Protective Equipment (CPPE), which consists of eye protection, N95 respirator, gown, and gloves.

On all other responses providers make initial contact with the patient, place a surgical mask on the patient, decontaminate the patient's hands, and perform a COVID-19 patient assessment. If this assessment is positive the providers don their CPPE. All eight of the local hospitals have different patient transfer policies, which frequently change. Some of these policies require providers to utilize additional sets of CPPE. Once patient care has been transferred to the hospital, providers and their units remain out of service until the transport unit is decontaminated, all reports are completed, the personnel have returned to the station, decontaminated their clothing, taken a personal shower, and donned a clean uniform. This additional unit and personal decontamination significantly increases fire and rescue out of service time and requires close monitoring to maintain service delivery.

**Organizational
Chart**



Budget and Staff Resources

| Category | FY 2019 Actual | FY 2020 Adopted | FY 2020 Revised | FY 2021 Advertised | FY 2021 Adopted |
|--|----------------------|----------------------|----------------------|-----------------------|----------------------|
| FUNDING | | | | | |
| Expenditures: | | | | | |
| Personnel Services | \$172,572,769 | \$189,293,622 | \$186,955,777 | \$197,641,701 | \$189,293,622 |
| Operating Expenses | 32,134,466 | 29,696,342 | 35,455,293 | 30,339,172 | 29,696,342 |
| Capital Equipment | 598,736 | 0 | 1,986,538 | 107,730 | 0 |
| Total Expenditures | \$205,305,971 | \$218,989,964 | \$224,397,608 | \$228,088,603 | \$218,989,964 |
| Income: | | | | | |
| Fire Prevention Code Permits | \$1,817,322 | \$1,925,505 | \$1,925,505 | \$1,925,505 | \$1,732,955 |
| Fire Marshal Fees | 5,270,241 | 5,247,840 | 5,335,745 | 5,442,460 | 4,802,171 |
| Charges for Services | 584,992 | 260,238 | 255,000 | 255,000 | 255,000 |
| EMS Transport Fee | 21,193,236 | 21,469,517 | 21,469,517 | 21,469,517 | 20,932,779 |
| Total Income | \$28,865,791 | \$28,903,100 | \$28,985,767 | \$29,092,482 | \$27,722,905 |
| NET COST TO THE COUNTY | \$176,440,180 | \$190,086,864 | \$195,411,841 | \$198,996,121 | \$191,267,059 |
| AUTHORIZED POSITIONS/FULL-TIME EQUIVALENT (FTE) | | | | | |
| Regular | 1593 / 1593 | 1594 / 1594 | 1602 / 1602 | 1627 / 1627 | 1602 / 1602 |

This department has 19/18.5 FTE Grant Positions in Fund 50000, Federal-State Grants.

FY 2021 Funding Adjustments

The following funding adjustments from the FY 2020 Adopted Budget Plan are necessary to support the FY 2021 program. Included are all adjustments recommended by the County Executive that were approved by the Board of Supervisors, as well as any additional Board of Supervisors' actions, as approved in the adoption of the Budget on May 12, 2020.

Fire and Rescue Department's Internal Review **\$0**
 As a result of an internal review of the Fire Department's organizational structure, the agency implemented a combination of the Captain I (F-25) and Captain II (F-27) ranks into a single Captain rank classification (F-26) effective July 18, 2020. The purpose of combining these two ranks is to address several organizational challenges that exist within the department. Combining the ranks will provide increased organizational efficiency, flexibility, opportunity, and growth. It is important to note that no additional funding is included in the FY 2021 Adopted Budget Plan as the reorganization is offset by savings identified in Personnel Services.

Changes to FY 2020 Adopted Budget Plan

The following funding adjustments reflect all approved changes in the FY 2020 Revised Budget Plan since passage of the FY 2020 Adopted Budget Plan. Included are all adjustments made as part of the FY 2019 Carryover Review, FY 2020 Third Quarter Review, and all other approved changes through April 30, 2020.

Carryover Adjustments **\$5,074,165**
 As part of the FY 2019 Carryover Review, the Board of Supervisors approved funding of \$5,074,165 including \$4,605,578 in encumbered carryover in Operating Expenses and \$468,587 in Capital Equipment.

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Fire Station 44 – Scotts Run **\$1,085,324**

As part of the *FY 2019 Carryover Review*, the Board of Supervisors approved funding \$1,085,324 to support the purchase of one engine and one medic unit for Fire Station 44, Scotts Run.

Position Adjustment **\$0**

As part of an internal reorganization of positions approved by the County Executive, 1/1.0 FTE position has been redeployed from Agency 71, Department of Information Technology, to Agency 92, Fire and Rescue Department, due to workload requirements.

Reclassification of Non-Merit Benefits Eligible Positions to Merit **\$0**

As part of an ongoing Board-directed review of the County's use of limited-term staffing, 7/7.0 FTE new merit positions are included due to the reclassification of non-merit benefits-eligible positions to merit status. These are part of a total of 235 positions that were identified in the *FY 2019 Carryover Review* across all County agencies as candidates for possible conversion based on the tasked performed by each position and the hours worked by incumbents. No additional funding has been included as the work hours of these positions are expected to remain largely unchanged.

Fire and Rescue Department Organizational Review **(\$751,845)**

As part of the *FY 2019 Carryover Review*, funding of \$751,845 was transferred from Agency 92, Fire and Rescue Department, to Agency 89, Employee Benefits, to account for the fringe benefit impact of proposed changes resulting from the Fire and Rescue Compensation and Organizational Study. A total of \$2,680,592 was held in reserve in FRD as part of the FY 2020 Adopted Budget Plan to fund the impact of recommendations from the study. Several changes were implemented in October 2019, with a partial-year impact of \$1,928,747 in Agency 92, Fire and Rescue Department, and \$751,845 in Agency 89, Employee Benefits.

Cost Centers

The four cost centers of the Fire and Rescue Department are the Office of the Fire Chief, the Operations Bureau, the Business Services Bureau, and the Personnel Services Bureau. The cost centers work together to fulfill the mission of the department and carry out key initiatives for the fiscal year.

Office of the Fire Chief

The Office of the Fire Chief manages and coordinates all aspects of the Fire and Rescue Department which include directing overall policy, planning and management of the department. This office also includes the department's Public Information Section, Life Safety Education Section and the Security Intelligence Liaison.

| Category | FY 2019 Actual | FY 2020 Adopted | FY 2020 Revised | FY 2021 Advertised | FY 2021 Adopted |
|--|----------------|-----------------|-----------------|--------------------|-----------------|
| EXPENDITURES | | | | | |
| Total Expenditures | \$1,265,101 | \$4,156,635 | \$1,373,923 | \$4,025,899 | \$3,901,390 |
| AUTHORIZED POSITIONS/FULL-TIME EQUIVALENT (FTE) | | | | | |
| Regular | 5 / 5 | 5 / 5 | 9 / 9 | 8 / 8 | 9 / 9 |

Operations Bureau

The Operations Bureau is composed of the EMS Operations Division, the Field Operations Division, and the Special Operations Division. The goal of the Operations Bureau is to save lives and protect property by providing emergency and non-emergency response to residents and visitors of Fairfax County. The Operations Bureau operates on three separate 24-hour rotation shifts. Each shift is led by a Deputy Fire Chief. The County is separated geographically into seven battalions, each managed by a battalion management team of a Battalion Fire Chief and EMS Captain. Fire suppression personnel and paramedics work in tandem to ensure the highest level of safety and care for residents and visitors of Fairfax County.

| Category | FY 2019 Actual | FY 2020 Adopted | FY 2020 Revised | FY 2021 Advertised | FY 2021 Adopted |
|--|----------------|-----------------|-----------------|--------------------|-----------------|
| EXPENDITURES | | | | | |
| Total Expenditures | \$162,340,393 | \$172,922,805 | \$176,779,443 | \$180,229,957 | \$172,505,970 |
| AUTHORIZED POSITIONS/FULL-TIME EQUIVALENT (FTE) | | | | | |
| Regular | 1298 / 1298 | 1299 / 1299 | 1325 / 1325 | 1351 / 1351 | 1325 / 1325 |

Business Services Bureau

The Business Services Bureau consists of the Fire Prevention Division, the Fiscal Services Division, the Information Technology Division, the Planning Section and the Support Services Division. Business Services functions are critical to ensuring the Operations Bureau has the resources needed to respond to emergency incidents.

| Category | FY 2019 Actual | FY 2020 Adopted | FY 2020 Revised | FY 2021 Advertised | FY 2021 Adopted |
|--|----------------|-----------------|-----------------|--------------------|-----------------|
| EXPENDITURES | | | | | |
| Total Expenditures | \$26,007,048 | \$25,050,451 | \$27,006,120 | \$26,091,556 | \$25,495,696 |
| AUTHORIZED POSITIONS/FULL-TIME EQUIVALENT (FTE) | | | | | |
| Regular | 208 / 208 | 208 / 208 | 196 / 196 | 194 / 194 | 196 / 196 |

Personnel Services Bureau

The Personnel Services Bureau includes the Health, Safety & Wellness Division, the Human Resources Division, the Professional Standards Division, the Training Division and the Volunteer Liaison's Office. This bureau strives to provide a representative work force through equal employment opportunity, active recruitment of qualified applicants and volunteers, basic training, professional certifications and continuing education. They are responsible for occupational safety, health and wellness, payroll, and human resources functions.

| Category | FY 2019 Actual | FY 2020 Adopted | FY 2020 Revised | FY 2021 Advertised | FY 2021 Adopted |
|--|----------------|-----------------|-----------------|--------------------|-----------------|
| EXPENDITURES | | | | | |
| Total Expenditures | \$15,693,429 | \$16,860,073 | \$19,238,122 | \$17,741,191 | \$17,086,908 |
| AUTHORIZED POSITIONS/FULL-TIME EQUIVALENT (FTE) | | | | | |
| Regular | 82 / 82 | 82 / 82 | 72 / 72 | 74 / 74 | 72 / 72 |

Position Detail

The FY 2021 Adopted Budget Plan includes the following positions:

| OFFICE OF THE FIRE CHIEF - 9 Positions | | | |
|--|----------------------------------|----|--|
| 1 | Fire Chief | 1 | Public Safety Information Officer IV |
| 1 | Deputy Fire Chief | 1 | Public Safety Information Officer III |
| 1 | Battalion Chief | 1 | Communications Specialist II |
| 1 | Management Analyst II | 1 | Administrative Assistant IV |
| 1 | Program & Procedures Coordinator | | |
| OPERATIONS BUREAU - 1,325 Positions | | | |
| 1 | Assistant Fire Chief | 1 | Management Analyst III |
| 5 | Deputy Fire Chiefs | 1 | Management Analyst I |
| 25 | Battalion Chiefs, 1 AP | 1 | Material Management Specialist I |
| 60 | Captains II, 1 AP | 1 | Emergency Management Specialist III |
| 83 | Captains I, 1 AP | 2 | Administrative Assistants IV |
| 176 | Lieutenants, 5 AP | 2 | Administrative Assistants III |
| 563 | Fire Technicians, 3 AP | 1 | Public Health Nurse III |
| 403 | Firefighters, 3 AP | | |
| BUSINESS SERVICES BUREAU - 196 Positions | | | |
| 1 | Assistant Fire Chief | 3 | Network/Telecom. Analysts I |
| 2 | Deputy Fire Chiefs | 1 | Programmer Analyst III |
| 5 | Battalion Chiefs | 1 | Programmer Analyst II |
| 5 | Captains II | 1 | Business Analyst III |
| 15 | Captains I | 1 | Business Analyst II |
| 12 | Lieutenants | 1 | Business Analyst I |
| 1 | Fire Apparatus Supervisor | 1 | Emergency Management Specialist III |
| 2 | Asst. Fire Apparatus Supervisors | 1 | Geographic Information Spatial Analyst IV |
| 8 | Fire Technicians | 1 | Geographic Information Spatial Analyst III |
| 8 | Fire Apparatus Mechanics | 2 | Geographic Information Spatial Analysts II |
| 3 | Management Analysts IV | 3 | Code Specialists II |
| 1 | Management Analyst III | 1 | Contract Analyst II |
| 4 | Management Analysts II | 1 | Fire Inspector IV |
| 3 | Management Analysts I | 5 | Fire Inspectors III |
| 1 | Engineer V | 38 | Fire Inspectors II |
| 1 | Engineer IV | 1 | Inventory Manager |
| 13 | Engineers III | 1 | Instrumentation Technician III |
| 3 | Engineering Technicians I | 1 | Instrumentation Technician II |
| 1 | Data Analyst II | 3 | Vehicle Maintenance Coordinators |
| 1 | Data Analyst I | 1 | Administrative Assistant V |
| 2 | Financial Specialists IV | 5 | Administrative Assistants IV |
| 5 | Financial Specialists III | 6 | Administrative Assistants III |
| 2 | Financial Specialists II | 3 | Administrative Assistants II |
| 3 | Financial Specialists I | 2 | Material Management Specialists III |
| 1 | Internet/Intranet Architect III | 2 | Material Management Specialists II |
| 1 | Internet/Intranet Architect II | 2 | Material Management Specialists I |
| 1 | Network/Telecom. Analyst III | 1 | Material Management Driver |
| 1 | Network/Telecom. Analyst II | 1 | Truck Driver |

| PERSONNEL SERVICES BUREAU - 72 Positions | | | |
|--|---------------------------------------|---|--------------------------------------|
| 1 | Assistant Fire Chief | 1 | Management Analyst III |
| 2 | Deputy Fire Chiefs | 2 | Management Analysts II |
| 6 | Battalion Chiefs | 2 | Management Analysts I |
| 5 | Captains II | 1 | Assistant Producer |
| 9 | Captains I | 3 | Nurse Practitioners/Physician Assts. |
| 14 | Lieutenants | 1 | Business Analyst I |
| 2 | Fire Technicians | 2 | Administrative Assistants V |
| 1 | Human Resources Generalist IV | 7 | Administrative Assistants IV |
| 2 | Human Resources Generalists III | 2 | Administrative Assistants III |
| 2 | Human Resources Generalists II | 2 | Administrative Assistants II |
| 3 | Human Resources Generalists I | 1 | Facility Attendant II |
| 1 | Internal Affairs Investigator | | |
| 1,417 Uniformed Positions/185 Civilian Positions | | | |
| AP | Denotes Alternative Placement Program | | |

Performance Measurement Results

Fairfax County Fire and Rescue Department has identified a four-pronged approach to a total community fire and life safety program:

- Prevent the 911 call through community outreach, education and prevention programs including building inspections and code enforcement;
- Respond to structure fires to save lives and property;
- Respond to medical emergencies to save lives; and
- Respond to all hazards incidents to save lives, property and the environment.

The overarching priority of the Fairfax County Fire and Rescue Department is to "Prevent the 911 Call" to reduce the risk that any Fairfax County resident, business employee, or visitor will suffer a fire injury or death, and reduce the chances of fire-related property loss or damage. To achieve the goal of preventing the 911 call, FRD is committed to community risk reduction, and providing essential fire prevention and life safety education programs.

The objective of the Community Risk Reduction Section's Life Safety Education program is to educate 20,000 preschool and kindergarten students, 16,000 school-age children, and 10,000 older adults annually in an effort to eradicate fire deaths and burn injuries within these high-risk populations. In FY 2019, the number of school-age children reached remained higher than estimated as a result of additional programs offered to children in the summer and at after school day-care programs. The number of preschool/kindergarten students and senior citizens reached was significantly lower than estimated as a result of a staff vacancy in the Life Safety Education section and fewer programs delivered to these high-risk populations. The vacancy in the Life Safety Education section has been filled so the estimates to educate the County's high-risk populations on fire and life safety will stabilize in FY 2020 and FY 2021.

In FY 2019, Operations responded to 104,937 incidents and 54,854 patients were transported to local hospitals. In addition to deaths, burn injuries, and property loss from fires, the FRD initiated a new fire suppression outcome measure: total property value saved. In FY 2019, the total property

value loss was \$18.1 million, and the total property value saved from fire suppression activities was \$3.5 billion, which is 99.5 percent of the total property value.

FRD reports cardiac arrest outcomes using the Gutstein template, the international standards for cardiac arrest reporting, as it more accurately reflects the populations of patients for whom prehospital interventions are likely to have the most impact, i.e. those presenting in a shockable rhythm. The strongest predictor of survival is the return of spontaneous circulation (ROSC), a pulse prior to arrival at a hospital. FRD's FY 2019 actual performance outcome based on CY 2018 data was 22.8 percent for those patients presenting in a shockable rhythm. In CY 2018, there were a total of 608 resuscitations attempted, only 57 met the Ustein criteria and only 13 of those patients arrived at an emergency department with a pulse. As reported by the Cardiac Arrest Registry to Enhance Survival (CARES) surveillance data, 10.4 percent of adults and 10.7 percent of children who had prehospital ROSC survived their out of hospital cardiac arrest.

The National Fire Protection Association (NFPA), a standard-setting organization for fire departments, adopts standards regarding response time objectives and staffing levels. The Service Quality indicators reported by FRD track the percent of time the department meets NFPA standards. NFPA response time standards for structure fires require the first engine company to arrive on the scene of a structure fire within five minutes and 20 seconds, and 15 firefighters to arrive on scene within nine minutes and 20 seconds, 90 percent of the time. In FY 2019, the department met these standards, 50.9 percent and 76.4 percent of the time respectively. NFPA response time standards for medical emergencies require an advanced life support (ALS) transport unit on scene within nine minutes and an AED on scene within five minutes, 90 percent of the time. In FY 2019, these response goals were met 87.5 percent and 52.7 percent of the time respectively. The department's goal is to improve response times to both fire and medical incidents through increased staffing and emergency vehicle pre-emption on traffic signals.

Fire Prevention Services activities are designed to minimize property loss in commercial (non-residential) fires through effective and comprehensive inspections that enforce all applicable codes. In FY 2019, the revenue generated per inspection/systems testing activity and the fire prevention cost recovery rate was lower than estimated due to industry paying for fewer inspections using overtime rates. The FY 2019 commercial fire loss was \$760,405, which was significantly less than estimated. The FY 2020 and FY 2021 estimates for commercial fire losses remain at \$2.0 million.

The total number of inspections was higher in FY 2018; however, the total number of system test activities was lower than estimated. Customer demand for fire protection systems acceptance testing has shifted from predominantly tenant build-out and retrofit work that requires one inspector for an hour or less per system test, to a team of two inspectors for multiple full workdays. This means a commensurate number of hours/revenue dollars are billed but fewer actual system tests are accomplished. Shell building new construction is more complex to test and witness due to floors of multiple fire alarm and sprinkler devices versus inspections of tenant buildouts or retrofits that move only a limited number of devices. It is anticipated this trend will continue and workload estimates have been revised to reflect this shift into new construction, especially in the Tysons and Reston areas.

Maintaining a well-trained fully staffed workforce is key to the department's ability to function. The Training Division graduated 37 career firefighters from two recruit schools during FY 2019. This number was significantly lower than estimated because the total number of recruits enrolled was lower than previous years and several recruits dropped out of recruit school for personal reasons. In FY 2020 and FY 2021, the FRD will hold larger recruit schools to meet projected staffing needs

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based on retirements, turnover, and growth of additional positions as a result of a new fire station in Tysons planned for occupancy in early 2021.

As a result of the Volunteer SAFER Recruitment and Retention grant awarded in 2011, volunteer departments have continued to experience growth in total membership. The average number of years that volunteers remain active is about five years. In FY 2019, the number of operational volunteers remained constant which resulted in a slight decrease in the total number of volunteer operational hours, as well as the number of times volunteer units were placed in service in FY 2019. The Volunteer Departments are in the process of pursuing another SAFER Recruitment and Retention grant to increase volunteer membership.

| Indicator | FY 2017 Actual | FY 2018 Actual | FY 2019 Estimate/Actual | FY 2020 Estimate | FY 2021 Estimate |
|---|----------------|----------------|-------------------------|------------------|------------------|
| Operations Bureau | | | | | |
| Percent ALS transport units on scene within 9 minutes | 89.42% | 88.20% | 90.00%/87.45% | 90.00% | 90.00% |
| AED response rate within 5 minutes | 56.06% | 55.81% | 60.00%/52.71% | 60.00% | 60.00% |
| Total incidents responded to | 101,326 | 103,926 | 103,000/104,937 | 105,000 | 105,000 |
| Fire suppression response rate for the arrival of an engine company on a structure fire within 5 minutes and 20 seconds | 50.88% | 48.82% | 52.00%/50.98% | 52.00% | 52.00% |
| Fire suppression response rate for 15 personnel within 9 minutes and 20 seconds | 82.18% | 79.02% | 85.00%/76.36% | 85.00% | 85.00% |
| Percent of cardiac arrest patients arriving at the Emergency Department with a pulse ¹ | 38.7% | 9.5% | 40.0%/22.8% | 30.0% | 30.0% |
| Number of smoke alarms distributed and installed | 1,870 | 391 | 0/1,067 | 7,000 | 3,000 |
| Number of File of Life used as resource in patient encounters | 1,335 | 1,854 | 0/460 | 400 | 400 |
| Fire loss (millions) | \$14.7 | \$27.2 | \$16.0/\$18.1 | \$16.0 | \$16.0 |
| Fire loss as percent of total property valuation | 0.01% | 0.60% | 0.01%/0.01% | 0.01% | 0.01% |
| Total civilian fire deaths | 2 | 6 | 2/3 | 2 | 2 |
| Civilian fire deaths per 100,000 population | 0.18 | 0.52 | 0.18/0.26 | 0.17 | 0.17 |
| Civilian fire-related burn injuries | 6 | 20 | 15/27 | 15 | 15 |
| Civilian fire-related burn injuries per 100,000 population | 0.5 | 1.8 | 1.3/1.8 | 1.3 | 1.3 |
| Business Services Bureau | | | | | |
| Preschool and kindergarten students served | 25,024 | 10,572 | 20,000/10,577 | 20,000 | 20,000 |
| Senior citizens served | 11,763 | 7,506 | 10,000/8,507 | 10,000 | 10,000 |
| Children (5 years and under) deaths due to fire | 1 | 0 | 0/0 | 0 | 0 |
| Children (5 years and under) burn injuries | 3 | 0 | 1/0 | 0 | 0 |
| Senior citizen (over age 60) deaths due to fire | 1 | 5 | 1/2 | 1 | 1 |
| Senior citizen (over age 60) burn injuries | 3 | 3 | 2/6 | 2 | 2 |
| Fire investigations conducted (including arson cases) | 335 | 296 | 300/287 | 300 | 300 |
| Hazardous materials cases investigated | 103 | 155 | 170/223 | 170 | 170 |
| Fire inspection activities conducted | 19,981 | 16,659 | 19,000/20,206 | 19,000 | 19,000 |
| Systems testing activities conducted | 9,905 | 10,289 | 11,000/10,423 | 11,000 | 11,000 |

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| Indicator | FY 2017 Actual | FY 2018 Actual | FY 2019 Estimate/Actual | FY 2020 Estimate | FY 2021 Estimate |
|--|----------------|----------------|-------------------------|------------------|------------------|
| Business Services Bureau | | | | | |
| Revenue generated for all inspection activities | \$5,042,863 | \$7,378,543 | \$6,846,300/\$5,911,337 | \$5,757,832 | \$5,757,832 |
| Percent of fire prevention services cost recovered | 94.4% | 123.3% | 98.0%/96.6% | 88.8% | 88.5% |
| Percent total fire investigation cases closed (fires, bombings, threats and arson) | 85.0% | 91.1% | 90.0%/89.0% | 90.0% | 90.0% |
| Percent arson cases closed | 61.0% | 41.0% | 40.0%/41.0% | 40.0% | 40.0% |
| Percent hazardous materials cases closed | 94.0% | 98.7% | 95.0%/96.0% | 90.0% | 90.0% |
| Total fire loss for commercial structures | \$2,639,547 | \$3,800,000 | \$2,000,000/\$760,405 | \$2,000,000 | \$2,000,000 |
| Transport billing (in millions) | \$21.2 | \$21.3 | \$20.8/\$21.2 | \$21.3 | \$21.3 |
| Personnel Services Bureau | | | | | |
| Volunteer operational hours | 84,695 | 81,598 | 82,000/81,364 | 82,000 | 82,000 |
| Times volunteer-staffed emergency vehicles are placed in service annually | 1,719 | 1,648 | 1,700/1,358 | 1,600 | 1,600 |
| Trained career firefighters added to workforce | 76 | 66 | 50/37 | 74 | 99 |

¹The Fairfax County Fire and Rescue Department aims to meet or exceed the national average for out of hospital cardiac arrest, which ranges from 10 to 15 percent between the years of 2006 through 2016. As a result, the department expects at least 30 percent of cardiac arrest patients to arrive at Emergency Departments with a pulse in FY 2021.

A complete list of performance measures can be viewed at <https://www.fairfaxcounty.gov/budget/fy-2021-adopted-performance-measures-pm>