



THE WOODBRIDGE FIRE DEPARTMENT

BOARD OF FIRE COMMISSIONERS

- Five Person Elected Governing Body
- Provides Fire Department Budget through Taxation
- Independent from the Municipal Government
- Covering Woodbridge Proper, Sewaren, section of Fords

OVERVIEW



CRITICAL INFRASTRUCTURE

- State and County Highways
- NJ Transit Rail Line and Station
- Multiple Schools
- 4th Largest Shopping Mall in New Jersey
- Township Municipal Building
- Police Station and Communications Center
- Bulk Storage Facility
- Waterfront and Marinas



OVERVIEW



CALL VOLUME AND DEVELOPMENT

CALLS FOR SERVICE:

- 2021 - 673
- 2022 - 706
- 2023 - 774
- 2024 - 927

Call volume has increased 38% from 2021 through 2024.



STAFFING



COMBINATION OF CAREER & VOLUNTEER

- Fire Department & Fire Company
- NFPA Standard
- Strategic Plan
- Automatic Aid Agreement

Benchmarks	Response Objectives
Alarm answer	15 sec 95% of the time or 40 sec 99% of the time
Alarm processing	64 sec 95% of the time or 106 sec 99% of the time
Turnout - Fire	80 sec
Turnout - EMS	60 sec
First-due engine	240 sec (4 min) 90% of the time
Second-due engine	360 sec (6 min) 90% of the time
Initial full alarm - Low/ medium hazard	480 sec (8 min) 90% of the time
Initial full alarm - High hazard	610 sec (10 min 10 sec) 90% of the time

STAFFING



41 MEMBER CAREER DEPARTMENT

- 5 assigned to Administration
- 4 assigned to Code Enforcement
- 32 assigned to Fire Suppression



STAFFING



ADMINISTRATION

CHIEF OF DEPARTMENT

DEPUTY FIRE CHIEFS

ADMINISTRATIVE ASSISTANT

TRAINING DIVISION

DEPUTY FIRE CHIEF

RECRUIT FIREFIGHTERS

STAFFING



SUPPRESSION – 4 TOURS

- (1) BATTALION FIRE CHIEF
 - (1) CAPTAIN
 - (5) FIREFIGHTERS

FIRE PREVENTION BUREAU

- (1) BATTALION FIRE CHIEF /
FIRE OFFICIAL
 - (3) FIRE INSPECTORS

STAFFING



NEW CAREER MEMBERS

- 2019 - 6
- 2022 - 7
- 2024 - 7

RETIREMENTS

- 2019 - 1
- 2022 - 3
- 2023 - 1
- 2024 - 2

STAFFING



PLANNED HIRING

- 2025 - 8
- 2026 - 8
- 2027 - 4

ELIGIBLE RETIREMENTS

- 2025 - 2
- 2028 - 2
- 2035 - 3
- 2037 - 4
- 2040 - 7
- 2044 - 6

STAFFING



VOLUNTEER FIRE COMPANY

(22) Total members

(7) Interior Certified Firefighters

VOLUNTEER RECRUITMENT & RETENTION

- Since 2022 - 3 new members

Accepting Applications

- Requirements

- Be between the ages of 18 and 57.
- Resident of Woodbridge or Sewaren 6 months prior to election of membership.
- Maintain residence in Woodbridge or Sewaren.
- Complete background check.
- Valid New Jersey Drivers License.
- United States Citizen.
- Pass a physical examination as per New Jersey State Fireman's Association guidelines.
- Complete a minimum of Firefighter I training within 1 year of being elected to membership.

STAFFING



FIRE SUPPRESSION STAFFING FOR 2025

☐ Tour Maximum of 8 Members, Tour Minimum of 5 Members.

- (1) Battalion Fire Chief
- (1) Captains
- (6) Firefighters

☐ Apparatus Staffed

- Tour Commander = Battalion Chief
- Engine 1 = (2) Firefighters.
- Engine 2 = (2) Firefighters (Queen Road, Satellite Fire Station).
- Truck 1 / Rescue 1 (Crossed Staffed) = (1) Captain, (2) Firefighters.

STAFFING



FUTURE FIRE SUPPRESSION STAFFING VISION FOR 2026

Tour Maximum of 10 Members, Tour Minimum of 7 Members.

▪ **Maintain (2) Fire Officers for each Tour by promoting (4) Captains.**

➤ (1) Battalion Fire Chief

➤ (2) Captains

➤ (7) Firefighters

Apparatus Staffed

▪ Tour Commander = Battalion Chief

▪ Engine 1 = (3) Firefighters.

▪ Engine 2 = (1) Captain, (2) Firefighters (Queen Road, Satellite Fire Station).

▪ Truck 1 / Rescue 1 (Crossed Staffed) = (1) Captain, (2) Firefighters.

STAFFING



FUTURE FIRE SUPPRESSION STAFFING VISION FOR 2027

Tour Maximum of 12 Members, Tour Minimum of 9 Members.

▪ **Maintain (2) Fire Officers for each Tour.**

➤ (1) Battalion Fire Chief

➤ (3) Captains

➤ (8) Firefighters

Apparatus Staffed

▪ Tour Commander = Battalion Chief

▪ Engine 1 = (1) Captain, (2) Firefighters.

▪ Engine 2 = (1) Captain, (3) Firefighters (Queen Road, Satellite Fire Station).

▪ Truck 1 / Rescue 1 (Crossed Staffed) = (1) Captain, (3) Firefighters.

STAFFING



FUTURE FIRE SUPPRESSION STAFFING VISION FOR 2028

❑ **Tour Maximum of 13 Members, Tour Minimum of 10 Members.**

❖ **NFPA 1710 Compliant (4) Members Per Apparatus.**

▪ **Maintain (2) Fire Officers for each Tour.**

➤ (1) Battalion Fire Chief

➤ (3) Captains

➤ (9) Firefighters

❑ **Apparatus Staffed**

▪ Tour Commander = Battalion Chief

▪ Engine 1 = (1) Captain, (3) Firefighters.

▪ Engine 2 = (1) Captain, (3) Firefighters (Queen Road, Satellite Fire Station).

▪ Truck 1 / Rescue 1 (Crossed Staffed) = (1) Captain, (3) Firefighters.

BUDGET



2025 Budget

Total Budget - \$15,490,887

■ Revenue

- Amount Raised by Taxation - \$14,491,517
- Uniform Fire Safety Act, Grants, and other Revenue - \$999,370

■ Expenses

- Personnel Expenses - \$10,566,782
- Operation Expenses - \$4,924,105

BUDGET



OPERATING EXPENSES

RATINGS



INSURANCE SERVICE OFFICE

☐ ISO Class 3

- Class 1 is the Highest Rating.
- Class 10 is Lowest Rating.



RATINGS



ISO RATINGS ARE USED TO DETERMINE PROPERTY AND CASUALTY INSURANCE RATES.

ISO BASED ON SEVERAL FACTORS

- Staffing & Equipment
- Water Supply
- Training & Procedures
- Communications & Dispatch
- Fire Prevention & Education



A BETTER RATING COULD MEAN LOWER HOME INSURANCE RATES.

APPARATUS COSTS



INITIAL FIRE APPARATUS PURCHASES

- Price increased more than 150% from 2016.
 - Engine – \$987,000
 - Truck – \$1,800,000
 - Rescue - \$950,000

- Life of these vehicles is 20 years.



APPARATUS COSTS



MAINTENANCE

Annual Preventative Maintenance

- Ensures safety for firefighters
- Extends the life of the vehicle
- Helps to avoid large and costly repairs
- \$20,000 annually

Unscheduled Maintenance

- Addresses things as they arise
- Estimated at \$100,000 annually



EQUIPMENT COSTS



MINIMUM FIRE APPARATUS EQUIPMENT NEEDS

❑ Established in NFPA 1901

- Fire Hose - \$35,000
- Self Contained Breathing Apparatus - \$70,000
- Radios - \$25,000
- Traffic Pre-Emption System - \$6,520





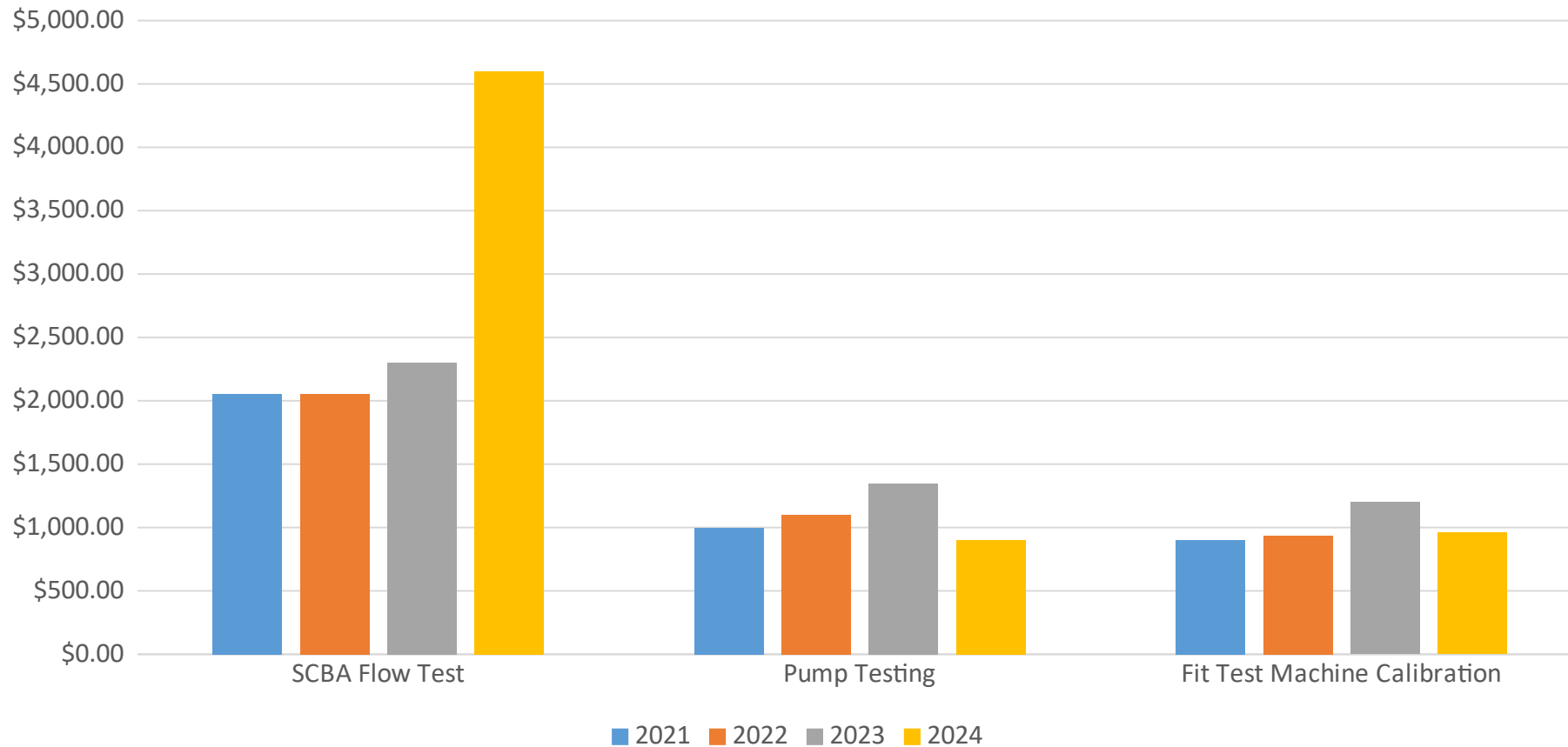
EQUIPMENT COSTS

EQUIPMENT TESTING

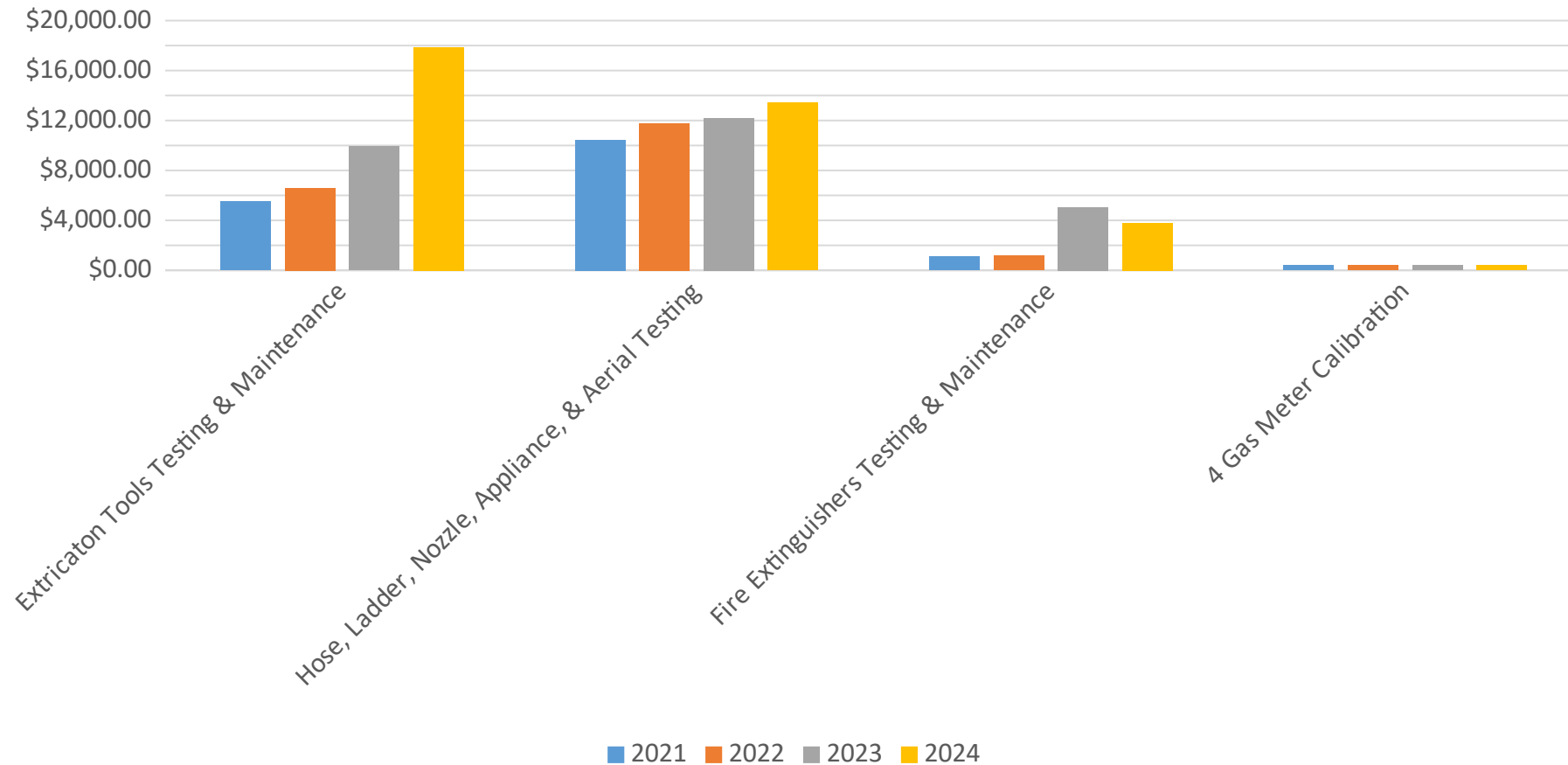
- Hose Testing
- Nozzle & Appliance Testing
- Ladder Testing
- Flow Testing of SCBA's
- Motor Vehicle Extrication Tool Testing
- Extinguisher Testing



COST COMPARISONS



COST COMPARISONS



EQUIPMENT COSTS



PERSONAL PROTECTIVE EQUIPMENT

- Structural Firefighting Gear
 - \$7,535
- Water Rescue
 - \$1,400



WATER SUPPLY



WHERE DO WE GET WATER FOR FIRE SUPPRESSION?

- Hydrants
- Nearby Bodies of Water
- Tankers

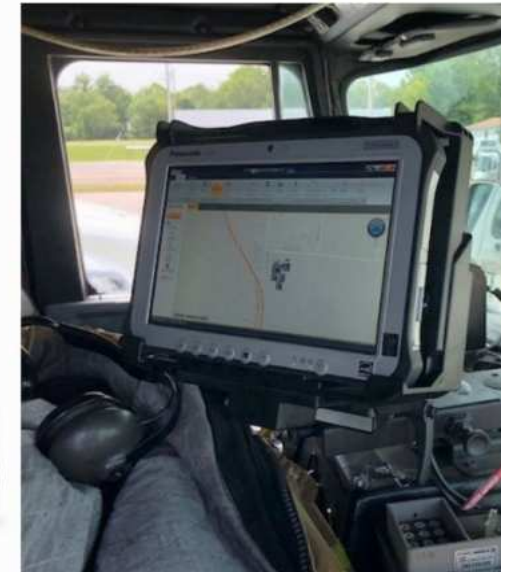


COMMUNICATIONS & DISPATCH



HOW DO WE COMMUNICATE WITH EACH OTHER AND DISPATCH?

- Telephone
- Computer
- Two-way Radios
- App Based Paging





FIRE PREVENTION & EDUCATION

COMMUNITY OUTREACH

- Firehouse Tours
- Public Talks & Presentations
- Participates in Community Events
- Juvenile Fire Setting Program
- Fire Prevention Week





FIRE PREVENTION & EDUCATION

HOME FIRE SAFETY INSPECTION PROGRAM

- ❑ Educating residents on the importance of home fire safety, showing them common fire hazards and making sure that their detection devices are in place and operating properly.
- No cost to the residents.
- Install smoke and carbon monoxide detectors where needed.
- Install a fire extinguisher.
- Teach residents how to properly use a fire extinguisher.
- Teach families how to draw up and effectively practice a fire safety plan.



JUNIOR FIRE ACADEMY



- ❑ The Junior Fire Academy Program is a one week long camp designed for students going into 6th through 8th grades that is a character building program which teaches teamwork and discipline.
- Since the programs inception in 2019, 124 students have graduated.
- Graduates of the initial Junior Fire Academy may attend the Advanced Junior Fire Academy the following year.





PRE-FIRE INCIDENT PLANNING

- Pre-Fire Incident Planning consists of firefighters creating a document for a specific address by gathering general and detailed information that is used by responding personnel in effectively managing emergencies for the protection of occupants, responding personnel, property, and the environment.
- Firefighters obtain information pertaining to building construction, building layout, including entrances, exits, stairs, roof access, fire hydrant locations, fire protection systems (sprinklers, standpipes), utility shut-offs, hazardous materials storage, occupant details (number, special needs), construction type, and any potential hazards.



TRAINING



ISO AND TRAINING

Initial Firefighter Training

- Firefighter I and Firefighter II
- Specialized Training

Annual Training for Officers, Operators, and Firefighters

- All personnel - 192 hours Company Training and 6 hours HAZMAT
 - Officers – 12 hours Officer Training
 - Operators – 12 hours Driver Training

TRAINING



NEW JERSEY FIREFIGHTER 1

- ❑ **Introductory certification program that teaches basic firefighting skills and techniques. The program is designed to prepare students to work as firefighters under direct supervision.**
 - 198 hours of classroom and fireground instruction.
- ❑ All fire service personnel shall satisfactorily complete the following training programs:
 - I-100 Introduction to Incident Command System.
 - I-700 National Incident Management System (NIMS).
 - I-800 National Response Framework, An introduction.
 - Hazardous Materials Level 1 Awareness.
 - Hazardous Materials Level 1 Operations.
 - Hazardous Materials Personal Protective Equipment.
 - Hazardous Materials Product Control.

TRAINING



NEW JERSEY FIREFIGHTER 2

- Advanced certification program that provides additional training in structural firefighting, flammable liquids and gas fires, low angle rope rescue, motor vehicle extrication and firefighter survival.**
 - 90 hours of classroom and fire ground instruction.
- All fire service personnel shall satisfactorily complete the following training programs:
 - I-200 Incident Management Systems.
 - Confined Space Awareness.

TRAINING



FIREFIGHTER ESCAPE SYSTEM TRAINING

- ❑ **Bailout is a procedure that allows firefighters to escape a burning building using a personal escape system.**
- Initial training consists of a classroom session, practical skills station ending with nine successful practical evolutions at various levels of difficulties including obscured vision from a second story window.
- Firefighters must perform annual competency training.



TRAINING



INCIDENT MANAGEMENT SYSTEM

☐ A standardized system that helps organize and manage responses to emergencies. It provides a framework for coordinating resources, personnel, and communications.

■ INCIDENT MANAGEMENT LEVEL 1

- Incident Management System I-100
 - 3 hour class.
- Incident Management System I-200
 - 12 hour class.

■ INCIDENT MANAGEMENT LEVEL 2

- Incident Management System I-300
 - 27 hour class.

■ INCIDENT MANAGEMENT LEVEL 3

- Incident Management System I-400
 - 16 hour class.

■ INCIDENT SAFETY OFFICER

- 16 hour class.

■ HAZARDOUS MATERIALS ON SCENE INCIDENT COMMANDER

- 24 hour class.

■ TRAFFIC INCIDENT MANAGEMENT SYSTEM

- 6 hour class.



TRAINING



FIRE OFFICER TRAINING

■ FIRE OFFICER I

- New Jersey Division of Fire Safety 50 hour class with a written state exam.
- Certified by the New Jersey Division of Fire Safety as Firefighter I (198 hours) and Firefighter II (90 hours).
- Certified by the New Jersey Division of Fire Safety as Hazardous Material Awareness (6 hours) and Hazardous Materials Operations (9 hours).
- Certified by the New Jersey Division of Fire Safety as Incident Management Level I (15 hours).
- Certified by the New Jersey Division of Fire Safety as Fire Instructor I (45 hours).
- Complete Incident Safety course (16 hours).
- Complete Principles of Building Construction Series of instructional courses (12 hours).
- Complete Fire Tactics Series of instructional courses (24 hours).

TRAINING



RAPID INTERVENTION CREW

- ❑ Rapid Intervention Crew training is advanced training that teaches firefighters how to locate and rescue trapped or missing firefighters.
- Rapid Intervention Crew Operations:
 - 24 hours of classroom and hands on training.
 - 16 hours of annual refresher training.



TRAINING



MOTOR VEHICLE EXTRICATION

□ Performing extrication and disentanglement operations involving packaging, treating and removing victims injured or trapped in or under a vehicle.

■ Motor Vehicle Extrication Operations

- 18 hour basic course that provides the student with the knowledge and practical skills for safe extrication operations at a motor vehicle accident involving a common passenger vehicle.

■ Motor Vehicle Extrication Technician

- 24 hour advanced course that provides the student with the knowledge and practical skills for safe extrication operations at a motor vehicle accident involving large commercial or industrial vehicles or any vehicles that present unique, complex, exotic, or unfamiliar hazards or extrication challenges.



TRAINING



FIRE APPARATUS OPERATOR

- The fire apparatus operator plays a vital role in the safe, effective, and efficient operation of the apparatus including the aerial and the fire pump.
- The pump operator course is a 24 hour course designed to teach firefighters how a fire pump works, friction loss, pump calculations, drafting and foam operations.



TRAINING



EMERGENCY MEDICAL TRAINING

- New Jersey Emergency Medical Technician certification is a 218 hour course designed to provide pre-hospital emergency medical care. The course covers Patient Assessment, Lifting and Moving, Airway Management, Medical and Traumatic Emergencies, Shock and Resuscitation, Pharmacology and Obstetrical Emergencies. Our department has 14 certified Emergency Medical Technicians.
- New Jersey Emergency Medical Responder certification is a 48 hour course designed to provide pre-hospital emergency medical care. The course covers Patient Assessment, Lifting and Moving, Airway Management, Medical and Traumatic Emergencies and Obstetrical Emergencies. Our department has 14 members enrolled for this training in March 2025.



TRAINING



WATER RESCUE TRAINING

☐ **Swift water rescue training is technical rescue training for rescuing person(s) from fast-moving water, such as rivers or flooded roads. Water flowing faster than 1 knot is defined as swift water.**

▪ **Swift Water Awareness**

➤ A 4 hour class that introduces firefighters to water emergency incidents including scene assessment, activation of the Emergency Response System, evaluation of potential and existing water hazards, scene management, rescue vs. recovery, and personal safety measures.

▪ **Swift Water Operations**

➤ A 16 hour comprehensive class that teaches shore-based rescue operations. Introduces firefighters to in-water activities, including demonstrating swimming proficiency in a controlled water environment (swimming pool). In addition, the training covers planning for water emergencies, moving water dynamics, medical conditions, self-rescue/personal safety and fundamental rescue techniques.

▪ **Swift Water Technician**

➤ A 16 hour comprehensive class that teaches in-water rescue actions, when all other measures including shore-based rescue operations have been exhausted. It is designed to train rescue personnel with in-water rescue systems that are complex.



TRAINING



CODE ENFORCEMENT

The Fire Prevention Bureau educates the public on all aspects of fire safety and the prevention of fire to prevent the loss of life and property. The Fire Prevention Bureau is responsible for the enforcement of the New Jersey State Fire Safety Code and for working with businesses and property owners to ensure their occupancies are safe for both the public and first responders. The Fire Prevention Bureau is tasked with conducting fire safety and code compliance inspections of commercial properties, schools, public buildings, and certain residential rental properties in accordance with the New Jersey Uniform Fire Code.

▪ **Fire Prevention Inspector**

➤ In accordance with New Jersey regulations, the Fire Inspector course reflects instruction of the New Jersey Uniform Fire Code and the Uniform Construction Code. The course encompasses plan review and inspection for all commercial structures in accordance with the New Jersey Department of Community Affairs, Division of Fire Safety, specifically the New Jersey Uniform Fire Code.

▪ **Fire Official**

➤ In accordance with New Jersey regulations, the Fire Official course reflects instruction in administration, legal methods of code enforcement, and how to interpret and implement the administrative requirements of the New Jersey Uniform Fire Code. This course encompasses Duties of the Fire Official, Records Management, Enforcement and Legal Responsibilities, Budgeting, Appeals, and Case Preparation.

TRAINING



FIRE INVESTIGATION

- ❑ **A Fire Investigator learns the foundational knowledge and skills necessary to properly determine the origin and cause of a fire, including understanding fire dynamics, identifying burn patterns, preserving evidence, documenting findings through photographs and scene diagrams while applying scientific principles to conduct a thorough investigation and scene examination aligning with NFPA 921 and 1033 standards.**
- Fire Investigation course consists tested instruction in determining origin and cause of a fire.
- Motor Vehicle Fire Investigation course consists of tested instruction in determining origin and cause of motor vehicle fires.

TRAINING



ANNUAL REFRESHER TRAINING

- Cardiopulmonary Resuscitation (CPR) / Automated External Defibrillator (AED) refresher training is required every two years through the American Heart Association.
- Blood-borne Pathogens refresher training is required annually for employees who are exposed to blood or other potentially infectious materials (OPIM).
- Hazardous Materials Operations refresher training is required annually. Training that provides firefighters with a refresher on the knowledge, skills, and abilities necessary to analyze, plan, and implement performance-defensive response actions for hazardous materials (HAZ-MAT) incidents.
- Confined Space Awareness refresher training is required annually. Enables firefighters to recognize a confined space, accurately assess the inherent hazards in these spaces. Examples of a confined space includes but is not limited to sewer manholes, utility vaults, boilers, large pipes and storage tanks.

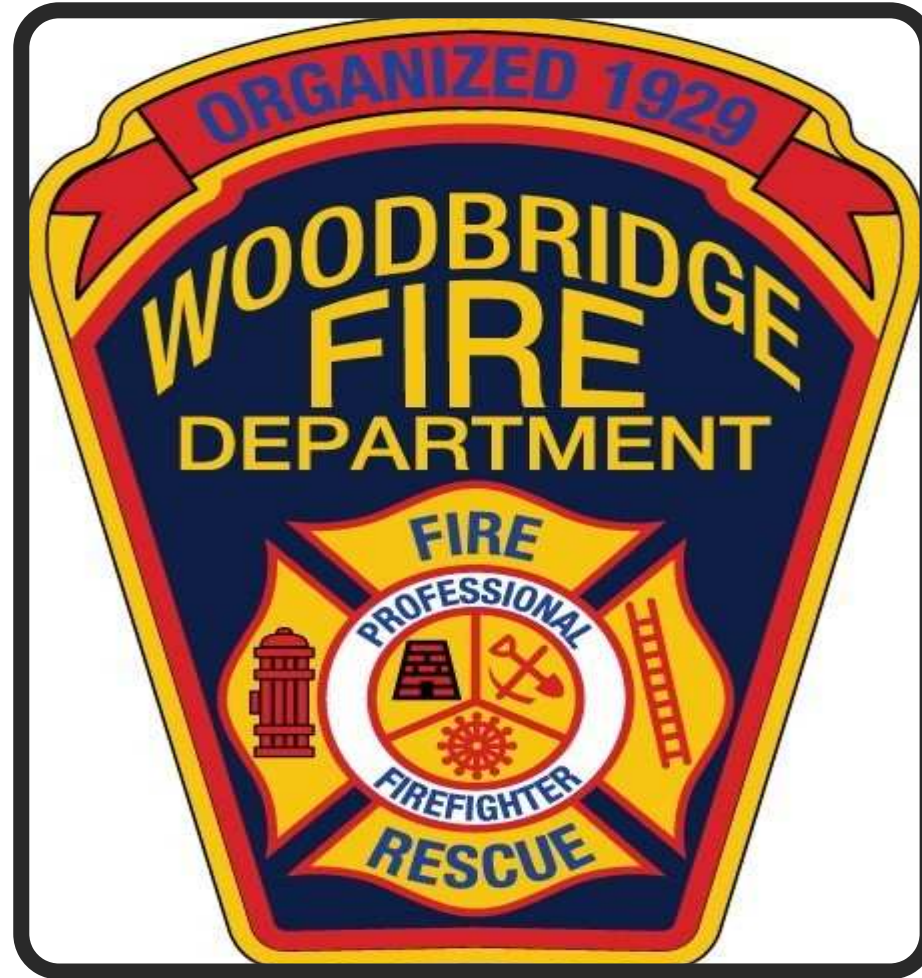
TRAINING



ANNUAL REFRESHER TRAINING CONTINUED

- Right-To-Know refresher training is required every two years. Educates firefighters on ways to identify the identity, characteristics and quantity of hazardous substances used and stored in their communities in order to adequately plan for and respond to emergencies.
- FIT Testing, Occupational Safety and Health Administration (OSHA) requires that employees who wear respirators pass a fit test at least once a year. This is in accordance with OSHA's Respiratory Protection Standard.
- Self Contained Breathing Apparatus (SCBA) refresher training is required annually. The training covers the proper use of the SCBA, including donning and doffing techniques, and emergency procedures.
- Our firefighters train at least once a year at the Middlesex County Fire Academy involving real fire. This allows them to practice firefighting techniques in a controlled environment that simulates actual fire scenarios.

WOODBIDGE FIRE DEPARTMENT



WOODBIDGE FIRE DEPARTMENT

**YEAR 2025
BUDGET PRESENTATION
&
DEPARTMENT OVERVIEW**

