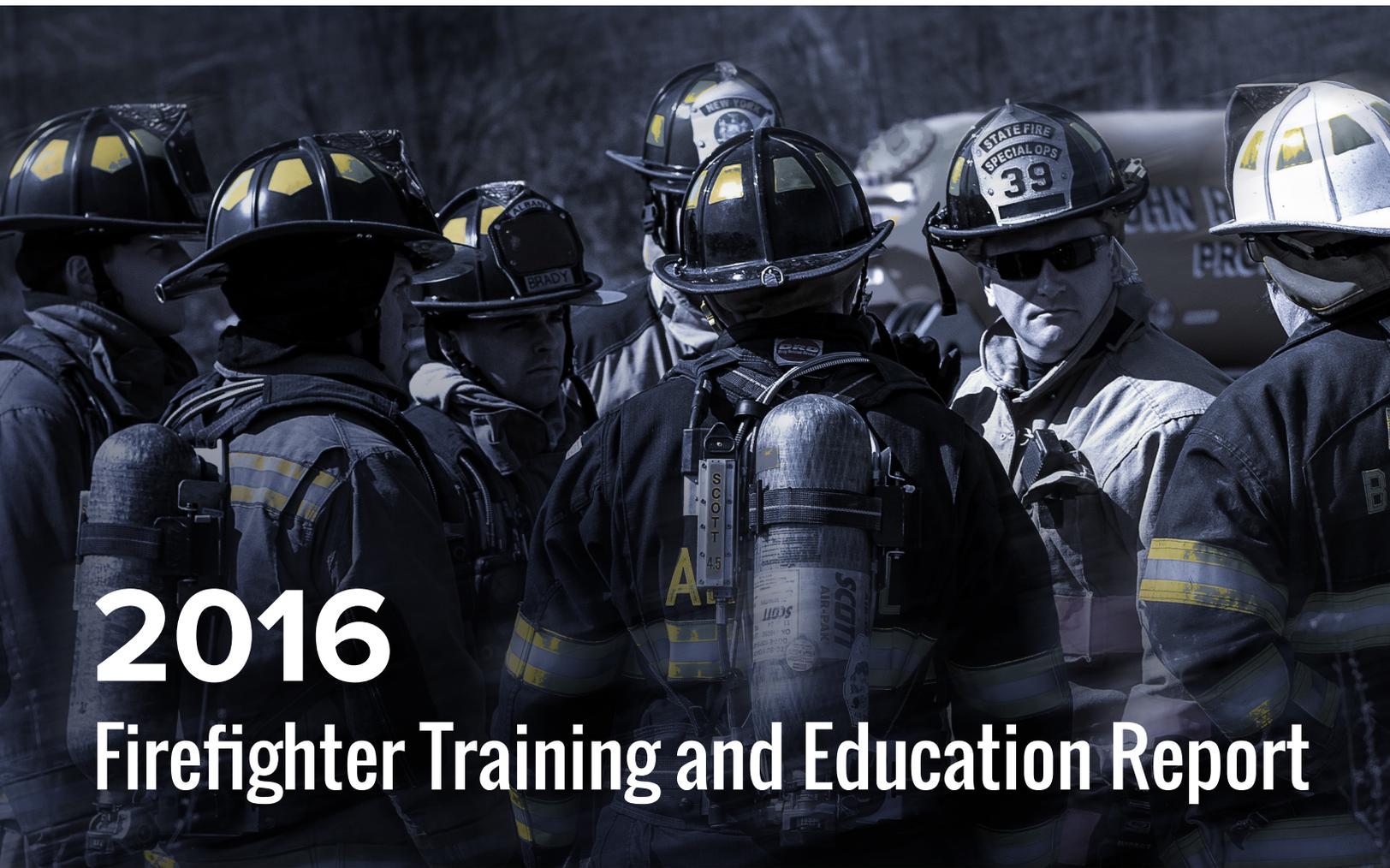




**Homeland Security  
and Emergency Services**

**Fire Prevention  
and Control**



# 2016 Firefighter Training and Education Report

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# **Division of Homeland Security and Emergency Services**

## **Office of Fire Prevention and Control**

### **2016 Firefighter Training and Education Report**

## **Executive Summary**

Each year the Office of Fire Prevention and Control provides training and education to thousands of first responders and citizens in an effort to provide them the confidence to act appropriately when they find themselves threatened by fire.

More than 3,371 courses were delivered in 2016 across the State having provided training to 46,256 students. These courses were delivered in a wide variety of settings including but not limited to classrooms, outside training grounds, at county facilities and at the State's Academy of Fire Science. OFPC's ability to deliver this training comes from a variety of instructor models including State and County Fire Instructors, Municipal Training Officers and Municipal Fire Instructors, and full-time OFPC staff all with the appropriate subject matter expertise to build a stronger fire service.

Over the years the need for training has increased exponentially as science and technology has become more sophisticated. Some of these advancements have benefited OFPC's fire prevention efforts, while others have resulted in hotter burning and faster growing fires for responders to deal with. To meet this increased training need OFPC maintains close contact and open dialogue with county officials to assure the most needed training is made available. That dialogue allows for constant assessment of needed training for individual counties.

Each county has unique challenges but nearly all counties struggle with recruitment and retention of volunteer firefighters. To make the initial training of volunteer firefighters more palatable OFPC works hard to adjust curriculum, schedules and delivery methods allowing for a more inviting entry level educational experience for the new volunteer. As an example Firefighter 1 (FF1) is under constant evaluation as a required entry level course for interior firefighters. The FF1 revision undertaken in 2014 was largely completed in 2016 with the cooperation of all of the major fire service associations. This collaboration helps the student as well as the individual fire department recruit and maintain membership by segmenting the course into more manageable lessons respecting the time commitment of the volunteer.

In addition to the traditional training provided, OFPC remains responsive to new or evolving risks, such as the increase in the transportation of crude oil by rail and water across the State. OFPC has updated existing hazardous materials training to reflect this expanded threat and developed new training where necessary. OFPC developed training to support establishment of the New York State Foam Task Force, which positioned nineteen foam trailers along the crude oil transportation corridors with local or county agencies which have agreed to participate in and respond as part of that Task Force. This training is also available to agencies outside the Task Force itself. This has represented a significant training effort during 2016.

OFPC remains committed to the delivery of timely, effective and quality training to support New York State's fire service. We hope this report demonstrates our on-going commitment to training and you find it helpful in answering any questions you may have.

# I - Introduction

This report of training and education activities conducted by the Office of Fire Prevention and Control (OFPC) in 2016 is presented to the Governor and Legislature pursuant to section 156 of the Executive Law. Also contained in this document is the report of hazardous materials emergency response training provided pursuant to section 156-a of the Executive Law and a summary of out-of-state training attended by firefighters as reported to the Office of Fire Prevention and Control, pursuant to section 72-g of the General Municipal Law.

The Division of Homeland Security and Emergency Services (DHSES) is dedicated to providing the citizens of NYS the highest level of safety and security through a wide variety of services including the training of emergency responders within DHSES is charged with, and delivers, training and education programs to firefighters, emergency responders, state and local government agencies, colleges, and the citizens of New York. These efforts represent a significant contribution to the State's ability to prevent, protect against, prepare for, respond to, and recover from terrorism and other man-made and natural disasters, and fires. Annually, OFPC provides standardized training to approximately 50,000 emergency services professionals.

The scope and complexity of training has grown commensurate with the increased responsibilities of New York State's fire service. Currently, OFPC's training programs consist of approximately 248 different courses with over 3,371 course deliveries. The primary audience of the training and education programs is concentrated on career and volunteer fire departments throughout the state, serving approximately 100,000 firefighters in 1,753 fire departments.

These training programs support fire departments ensuring safe and effective emergency responses aimed at protecting the people, property and environment in the State of New York. For many fire departments, particularly volunteer fire departments, OFPC's firefighter training courses are the only formal training available. Demand for firefighter training continues to increase annually and OFPC continually revises and updates programs to address this need.

In an ongoing effort to assure that effective training is provided, OFPC also maintains active membership and leadership roles in the following national organizations related to fire service training: the Fire and Emergency Service Higher Education Consortium (FESHE), the Training Resources and Data Exchange Organization (TRADE), and the North American Fire Training Directors Association (NAFTD).

OFPC uses a variety of delivery methods to accomplish its training mission. Each of the methods, outlined in this report, is designed to best serve the needs of career and volunteer fire departments, large and small, and represent a partnership of state, county and local governments. An illustration of fire training courses by delivery method is attached as Appendix A.

The title of each training course conducted in 2016, the number of times the courses were conducted and the number of firefighters and related personnel who completed the courses are listed in Appendix B.

The number of training courses conducted in each county in 2016 and the number of firefighters and related personnel who completed the courses are listed in Appendix C. (Note: The completion numbers reflected within this report represent approximately 87% of the actual student completions anticipated for calendar year 2016. This is due to the normal lag time required to process the course completion materials.)

## II - Outreach Training

OFPC's Outreach Training Program is the primary means of providing basic firefighting skills training for volunteer firefighters. There are 58 courses that are delivered at local fire training sites, at the convenience of the local fire department to permit maximum participation by volunteer firefighters. These courses are taught predominantly by OFPC's state fire instructors, who are part-time fee-paid employees with subject matter expertise to conduct firefighter training. OFPC employs approximately 563 state fire instructors throughout the State, of which 428 are assigned to 55 counties for outreach training course delivery at local fire departments and training centers (all but Nassau County, Suffolk County and the five counties in the City of New York)<sup>1</sup>.

Firefighter 1 is a core course for the entry level volunteer firefighter. Over the years the revision of FF1 has been a source of controversy as the hours required to deliver the needed material has increased placing additional stressors on fire departments and their recruitment activities. In 2014 OFPC convened a working group comprised of the fire associations, county fire coordinators and full and part-time fire instructors to develop a consensus on content, class schedule and delivery method. In 2015 a successful model FF1 course was agreed upon bringing the previous course of 100 +/- contact hours to 126. While the hours did increase, the effect to the students and fire departments was lessened through changes to schedules and delivery methods creating a win-win result.

An illustration of the types of outreach training courses is attached as Appendix D.

At the beginning of each state fiscal year, OFPC estimates the number of fire training courses that can be conducted statewide based on its budget appropriation, and assigns an allocation to each county. These allocations are based on previous training history, anticipated need, and available State funds. The number of instructors per course varies based on the course content, safety requirements and the number of practical skills sessions required by the course curriculum. County fire coordinators schedule fire training courses in their counties after consultation with local fire chiefs to determine needs, suitable dates, and locations. Course requests, based on projected need are then submitted to OFPC. OFPC maintains an open dialogue with counties to assure that the needed training is provided.

Training allocations for state fiscal year 2016-17 training course allocations are listed for each county, in Appendix E.

Student completions, by course for outreach training, are attached in Appendix F.

<sup>1</sup> Nassau County and Suffolk County have their own fire training programs operated by vocational education and extension boards established by these counties pursuant to Article 23 of the Education Law. State fire training courses in these counties are delivered by instructors employed by the vocational education and extension boards and are conducted and scheduled in the same manner as programs conducted by career fire departments. The Fire Department of New York (FDNY) administers its own fire training programs tailored to meet the specialized needs that exist in the City of New York. OFPC communicates with FDNY on firefighter training issues and provides curriculum support and, upon request, conducts training courses for FDNY.

## **III - Municipal Training**

### **A. Municipal Firefighter Training**

Career firefighters must meet minimum basic and annual in-service training standards, pursuant to section 58-a of the Civil Service Law, section 209-w of the General Municipal Law and 19 NYCRR Parts 426 and 427. The standards require that training curricula address operational and safety procedures specific to a career fire department, and therefore, career fire departments generally conduct their own training utilizing department staff. In-house training permits the customizing of curricula and allows training to be conducted on all shifts. In career fire departments with 5 or more firefighters a municipal training officer (MTO) is designated to oversee and conduct the fire department's training program. Additionally, one or more municipal fire instructors (MFIs) may be designated to assist the MTO.

OFPC certifies career fire department basic and annual in-service fire training programs, certifies the MTOs and MFIs, pursuant to 19 NYCRR Parts 426, 427 and 438, and authorizes MTOs and MFIs to deliver state fire training courses. OFPC provides career fire departments with fire training course curriculum materials, including course lesson plans and student materials.

In addition, OFPC conducts the Candidate Physical Ability Tests (CPAT) for entry level career firefighters. This test is a required component of the basic fire training program pursuant to Title 19 NYCRR Part 426. In 2016 OFPC conducted a total of 13 CPATs across the State allowing 236 candidates to participate.

The title of each municipal training course conducted in 2016, the number of times the courses were conducted and the number of firefighters and related personnel who completed the courses are listed in Appendix G.

### **B. First Line Supervisors Training**

Career firefighters promoted to first line supervisory positions are required to attend a four-week training program for fire department supervisors at the New York City Fire Academy, pursuant to section 209-x of the General Municipal Law. This program provides uniform training for all career fire officers in the State. OFPC approves the curriculum for this training program and reimburses the New York City Fire Department for the costs of conducting the program, including the provision of lodging and meals and reimbursement of travel costs, up to the amount provided for in OFPC's budget appropriation. In 2016, 131 career fire officers received training through the First Line Supervisors Training Program.

## **IV - Supplemental Training**

Twenty-five counties have opted to supplement the number of training courses conducted by OFPC using local and county resources. These courses are conducted primarily for volunteer fire departments by county fire instructors designated by the county fire coordinator. County fire instructors are authorized by OFPC to deliver state fire training courses. Each county or fire department is responsible for the costs associated with conducting these courses. Supplemental courses are scheduled in the same manner as outreach training courses.

The title of each supplemental training course conducted in 2016, the number of times the courses were conducted and the number of firefighters and related personnel who completed the courses are listed in Appendix H.

## **V - Residential Training**

OFPC operates the Frederick L. Warder Academy of Fire Science located in Montour Falls, NY. This State-owned, fire academy provides basic, intermediate and higher level training programs in a residential setting. The Fire Academy provides an opportunity for fire and emergency services personnel to expand their knowledge, skills and abilities through instruction and interaction with other emergency services professionals. In 2016, approximately 4,819 emergency service providers from New York State, other states, and Canada received training in more than 171 classes at the Fire Academy.

The Recruit Firefighter Training program (RFFT) is one of the cornerstone programs at the Academy. Conducted twice each year, this intense 11-week program provides an effective and efficient method for career firefighters to meet the mandated basic training requirements of the Minimum Standard for Firefighter Training in New York State. When space permits, volunteer firefighters are allowed entry into the program. In 2016, 65 career firefighters from around the State received their initial training at the New York State Academy of Fire Science.

An 8-week Canine Accelerant Detection training program is offered semi-annually, training accelerant detection dogs and handlers, and a 20-hour annual recertification program for these canine teams is offered every year.

An example of some of the other annual conferences held each year at the Academy include; State Fire Instructors Conferences; Public Fire Safety Educator's Conference; Introduction to Juvenile Fire-Setters, Fire Investigation and Arson Seminar; Hazardous Materials Seminar; Emergency Medical Services Conference; Fire Marshals and Inspectors Conference; County Weekend Conferences and a Technical Rescue Conference. These all provide opportunities for advanced and in-service training for these specialized emergency services professionals.

The title of each training course conducted at the Academy of Fire Science, the number of times the courses were conducted and the number of firefighters and related personnel who completed the courses in 2016 are listed in Appendix I.

## **VI - Direct Delivery Training**

Direct delivery fire training programs are specialized knowledge and skill courses delivered exclusively by OFPC fire protection specialists who have advanced training and skill levels in numerous subject areas including, but not limited to: hazardous materials; weapons of mass destruction; fire/arson investigation and public fire safety awareness. Direct delivery training courses are conducted at local training sites at the convenience of the fire departments, typically nights and weekends, to permit maximum participation by volunteer firefighters. For career departments, courses are conducted on the department's shift schedule to permit all departments' firefighters to participate.

The title of each direct delivery training course conducted in 2016, the number of times the courses were conducted and the number of firefighters and related personnel who completed the courses are listed in Appendix J.

## **A. Hazardous Materials Emergency Response Training**

OFPC has a long history of providing hazardous materials response training to firefighters and other emergency responders. Prior to 1982, hazardous materials training focused only on awareness of the hazards posed by hazardous materials and provided information on defensive tactics that could be employed by firefighters responding to hazardous materials incidents.

OFPC's hazardous materials training program has expanded to include over fifty different courses from basic skills to advanced mitigation techniques. These courses are conducted for firefighters; police officers; emergency medical responders; industrial; and military personnel, and are routinely updated to address new or expanding hazards. One such hazard that required OFPC's attention is that of the recent increase in the rail transportation of crude oil.

Basic awareness and operational level hazardous materials training courses are conducted within the Outreach and Municipal Training Programs, but the majority of OFPC's hazardous materials emergency response training courses are conducted by full time Fire Protection Specialists certified as hazardous materials technicians.

OFPC's core hazardous materials training programs include: Hazardous Materials First Responder Operations, which prepares firefighters to recognize the presence of hazardous materials and employ defensive tactics to protect themselves and the public; Hazardous Materials Technician training provides firefighters with advanced skills necessary to utilize chemical protective clothing and employ offensive tactics to mitigate a hazardous materials incident; and Hazardous Materials Incident Command program which provides training necessary for those personnel responsible for serving in the command role at a hazardous materials incident.

OFPC continues efforts to improve its ability to effectively and efficiently provide hazardous materials training. During 2016 a major revision of the Hazardous Materials Technician training program resulted in re-formatting the course into five modules from the previous two courses (Basic and Advanced Hazardous Materials Technician). This revision is consistent with national standards and the new modular approach is intended to allow agencies and students more flexibility in scheduling of training and to tailor training to be consistent with their assigned roles and responsibilities at a hazardous materials incident.

Additional training courses address specific topics or hazards, such as decontamination, chemical suicides, ignitable liquid fires (including crude oil), and preparedness and response to incidents involving terrorist use of weapons of mass destruction (WMD), which often require the same incident response techniques used for accidental releases of hazardous materials.

In 2016 training and local support related to crude oil emergencies continued to be a major focus. In response to a potential crude oil emergency, OFPC developed the "New York State Foam Task Force Trailer In-Service Training Program" to support the distribution of 19 firefighting Class B Foam Trailers across the State as part of the establishment of the New York State Foam Task Force and continues to support agencies which have agreed to participate in the Foam Task Force with an ongoing program of annual in-service and refresher training.

The training offered by OFPC meets or exceeds federal occupational safety and health regulations pertaining to hazardous materials response, the professional qualification standards established by the National Fire Protection Association (NFPA) and the Minimum Standards for Firefighting Personnel in the State of New York.

The need and demand for hazardous materials training programs continues to significantly exceed capacity. In an effort to address the need and maximize the benefit of the training resources available, OFPC works with local and county agencies to prioritize course requests, with priority delivery given to established, operational hazardous materials response teams and localities that are creating such teams and have the means to sustain the capability.

## **B. Fire and Arson Investigation Training**

Fire and arson investigation skills direct delivery training is conducted for firefighters and law enforcement personnel throughout the state. Training programs address principles of fire investigation, introduction to arson investigation and forensic investigation of fires. These training programs are conducted at local fire training sites, basic police training academies and other criminal justice training sites.

Fire and arson investigation training courses are conducted by OFPC Fire Protection Specialists who are certified fire investigators, certified peace officers and certified fire service instructors.

The title of each fire and arson investigation course conducted in 2016, the number of times the courses were conducted and the number of firefighters and related personnel who completed the courses listed in Appendix J.

## **VII - Regional Training**

OFPC's Regional Training Program is designed to deliver advanced level training at regional sites statewide. This method reduces the time impact placed on students by reducing their travel time or requiring overnight stays. The delivery method also proves very beneficial for team related training as it allows large numbers of a specific team to train together in their local environment, enhancing team level skills and coordination.

Delivery of these training programs are often accomplished by utilizing full-time Fire Protection Specialists and part-time State Fire Instructors who possess high levels of specialty knowledge and skills in specific areas.

The title of each regional training course conducted in 2016, the number of times the courses were conducted and the number of firefighters and related personnel who completed the courses listed in Appendix L.

### **A. Technical Rescue Training Program**

OFPC's technical rescue training program provides firefighters and other emergency responders with instruction in specific areas of technical rescue including: structural collapse rescue; trench rescue; confined space rescue; rope rescue; and ice and swift water/flood rescue. OFPC held 586 technical rescue course offerings in 2016 and instructed 8,338 students. These courses are conducted at local and regional training sites by OFPC Fire Protection Specialists and designated State Fire Instructors who have subject matter expertise in technical training and experience. Course requests are honored based upon the availability of resources and a risk or hazard assessment, with priority given to locations and agencies that are positioned to utilize the training to establish or enhance operational capability to address risks and hazards within their jurisdiction.

OFPC has taken steps to increase the number of courses delivered by part-time State Fire instructors to conduct basic level technical rescue training as part of the Outreach Training program. OFPC is actively recruiting additional part-time State Fire Instructors qualified to supplement the full-time Fire Protection Specialists available to teach more advanced technical rescue courses. Federal Homeland Security grant funding has been critical in allowing OFPC to provide this training and additional federal grant funding has been requested to address technical rescue training program costs.

Water rescue training programs for both swift water and flood water represent an area where training needs have exceeded the capacity to deliver this training due, in large part, to the lack of suitable training facilities that provide the water conditions necessary to conduct operations and technician level training safely for a significant portion of the year. Currently, OFPC courses rely upon gaining access to sites with swift water conditions which are seasonally dependent or only available through arranging water releases from dams. The environmental dependency has proven to significantly hamper our ability to conduct this training and keep current the number of instructors capable of providing it. As an example, FDNY has had to send its personnel, at significant cost, to out of state training venues in order to obtain water rescue training. As 43 of 70 recent disaster declarations impacting New York State have been or have included flooding events, overcoming this challenge to provide this training is critical for the safety of the State's citizens and emergency personnel.

The title of each technical rescue training course conducted in 2016, the number of courses conducted and the number of firefighters and related personnel completing those courses are listed in Appendix L.

## **VIII - Firefighter Training Outside of New York State**

During 2016, fire chiefs reported to OFPC that firefighters attended training programs outside of the State, pursuant to section 72-g of the General Municipal Law. Firefighters attended: training programs at the National Fire Academy in Emmitsburg, MD; national conferences conducted in Baltimore, MD and Indianapolis, IN; and other professional educational programs and seminars sponsored by national fire service organizations, the U.S. Department of Homeland Security or other organizations.

### **A. National Fire Academy**

The National Fire Academy is the primary training unit of the United States Fire Administration which is part of the U. S. Department of Homeland Security. Firefighters from New York State have the opportunity to attend the National Fire Academy for training targeted primarily to middle and high level fire officers. OFPC partners with the National Fire Academy to increase the opportunities for New York State firefighters to receive National Fire Academy training. Each spring the NFA hosts a weekend dedicated to New York State firefighters. In 2016, 180 firefighters attended this unique training opportunity.

### **B. Professional Educational Programs and Seminars**

Many organizations conduct professional educational programs and seminars. A review of the programs and seminars reported to OFPC does not reveal any significant subject matter training shortfalls. Generally, OFPC's fire training programs address the subject area covered in these programs. Many of the instructors delivering these programs and seminars are from New York State and employed by OFPC as state fire instructors or subject matter experts.

A list of out of state training programs attended by firefighters is listed in Appendix M.

## **IX Public Fire Safety Education**

OFPC provides general fire and life safety education and awareness to elevate the public's understanding of the danger of fire. By employing a number of means to disseminate information, from participating in fairs, open houses and festivals to large seminars and special events, OFPC works to extol the value of fire safety awareness and training. OFPC's House of Hazards helped to educate over 50,000 people at the NYS Fair in Syracuse and over 23,000 additional people were educated through public fire safety education in 2016.

OFPC also conducts formal training programs to state agencies and others who may request them to include; evacuation training; tenant safety organizations (TSO); hands-on use of fire extinguishers; hot work safety programs; hazardous materials in business occupancies and fire safe living. In furtherance of its Campus Fire Safety Program, OFPC provides fire safety education to college and university students, faculty and staff whether by direct delivery or through "train-the-trainer" programs for campus staff.

OFPC provides staffing to, and chairs the Team NY Risk Watch Coalition, working closely with educators, school administrators, and institutions to adopt the highly acclaimed national Risk Watch curriculum. It has also developed a training program for future teachers, so they can better develop and implement meaningful fire and life safety training programs for children throughout the State.

## **X – Appendices**

Appendix A: Courses by Delivery Method

Appendix B: Training Courses Conducted and Student Completions in 2016

Appendix C: Training Courses Conducted and Student Completions in 2016, By County

Appendix D: Outreach Training Course Chart 2016

Appendix E: Training Hours Requested, Allocated and Used, By County

Appendix F: Outreach Training Courses Conducted and Student Completions in 2016

Appendix G: Municipal Training Courses and Student Completions in 2016

Appendix H: Supplemental Training Courses and Student Completions in 2016

Appendix I: Academy of Fire Science Training Courses and Student Completions in 2016

Appendix J: Direct Delivery Training Courses and Student Completions in 2016

Appendix K: Hazardous Materials Emergency Response Training

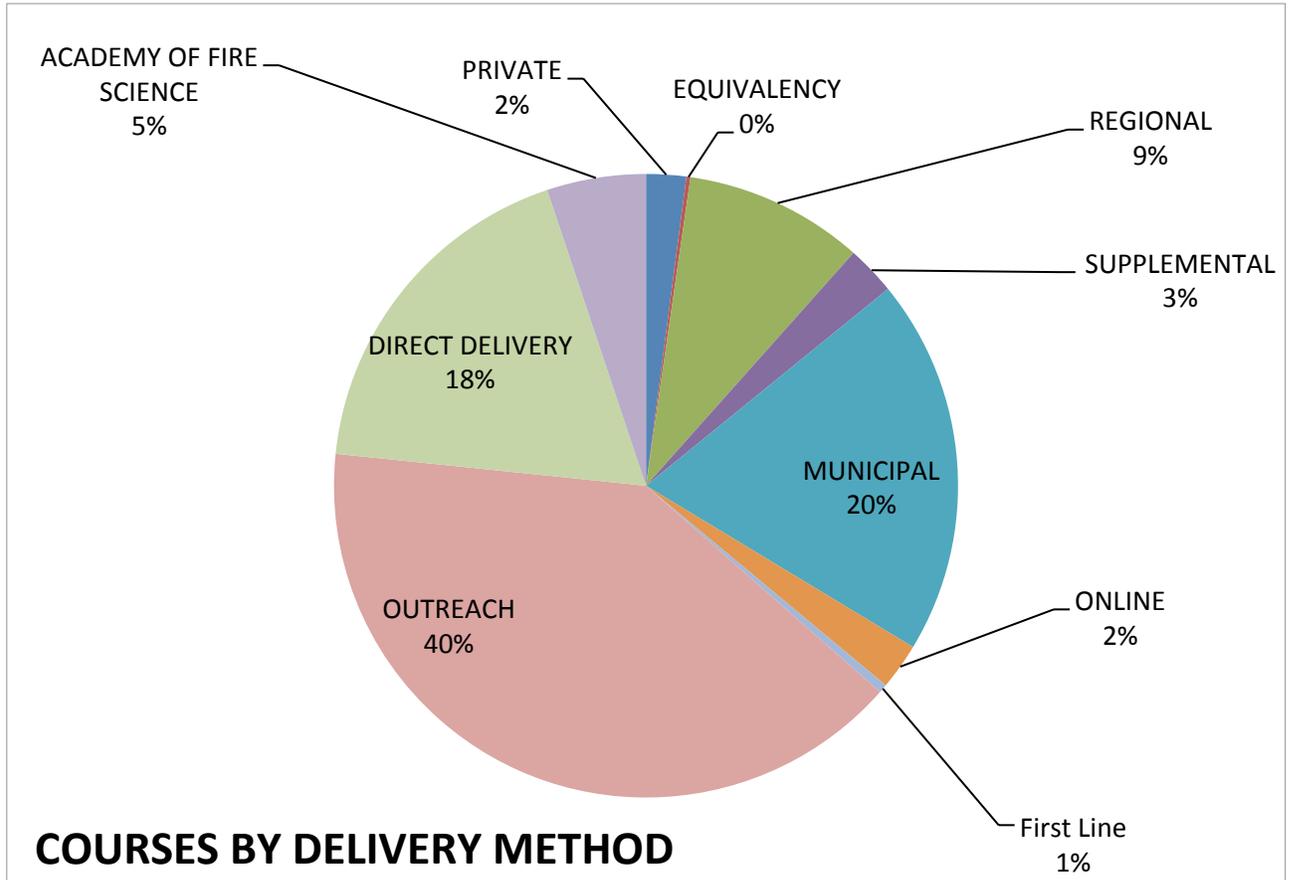
Appendix L: Regional Training Courses and Student Completions in 2016

Appendix M: Out of State Training

APPENDIX A

COURSES BY DELIVERY METHOD CHART

PRIVATE 69	EQUIVALENCY 7	REGIONAL 310	SUPPLEMENTAL 85	MUNICIPAL 651	ONLINE 80	First Line 15
		OUTREACH 1338	DIRECT DELIVERY 608	ACADEMY OF FIRE SCIENCE 171		



## APPENDIX B

## TRAINING COURSES CONDUCTED AND STUDENT COMPLETIONS IN 2016

TITLE	NUM OFFERINGS	NUM STUDENTS
24 RFFT FIRE PREVENTION TRAINING	3	95
ACCELERANT DETECTION CANINE TEAM ANNUAL IN-SERVICE TRAINING WORKSHOP	1	10
ACCIDENT VICTIM EXTRICATION TRAINING	108	1,362
ADVANCED HAZARDOUS MATERIALS TECHNICIAN	1	29
ADVANCED ICS, ICS FOR COMMAND AND GENERAL STAFF COMPLEX INCIDENTS I-40	3	7
ADVANCED ROPE RESCUE II	1	22
ADVANCED SAMPLING TECHNIQUES FOR THE HAZARDOUS MATERIALS TECHNICIAN	1	6
AIR SAMPLING AND MONITORING FOR THE OPERATIONS LEVEL RESPONDER	10	162
AIRCRAFT RESCUE AND FIREFIGHTING	7	135
ALTERNATIVE FIRE EXTINGUISHING SYSTEMS	2	21
ALTERNATIVE FUELED VEHICLES AND NEW VEHICLE TECHNOLOGY	5	89
APPARATUS OPERATOR - AERIAL DEVICE	39	248
APPARATUS OPERATOR - EMERGENCY VEHICLE OPERATIONS	114	1,494
APPARATUS OPERATOR - PUMP	126	1,322
BASIC EXTERIOR FIREFIGHTING OPERATIONS	68	513
BASIC EXTERIOR FIREFIGHTING OPERATIONS, 2016 EDITION W/HMFRO	38	589
BASIC FOAM OPERATIONS - IN-SERVICE	2	29
BASIC RESCUE BOAT OPERATOR	2	44
BASIC STRUCTURAL COLLAPSE OPERATIONS	41	700
BASIC WILDLAND FIRE SUPPRESSION	20	268
BASIC WILDLAND SEARCH SKILLS (DEC)	15	148
BATH SALTS: THE LATEST THREAT TO RESPONDERS	5	43
BIOLOGICAL TERRORISM, AN OVERVIEW OF THE THREAT	1	25
CANINE ACCELERANT DETECTION RECERTIFICATION	1	12
CARGO TRUCK-HAZARDOUS MATERIALS SPECIALIST	1	20
CFC ORIENTATION	1	18
CFC/INSTRUCTOR TRAINING/SCHEDULING MEETING	75	7
CHAUTAUQUA COUNTY WEEKEND	1	49
CHEMICAL SUICIDES: INFORMATION FOR THE RESPONDER	15	235
CLASS B FOAM TRAILER OPERATIONS	19	617
COMPANY OFFICER TRAINING WORKSHOP	3	145
CONCRETE BREACHING & BREAKING	1	21
CONFINED SPACE RESCUE - TECHNICIAN LEVEL	25	186
CONFINED SPACE: AWARENESS AND SAFETY	55	765
COUNTY FIRE COORDINATOR CONFERENCE	1	56
COURAGE TO BE SAFE; FIREFIGHTER LIFE SAFETY INITIATIVES	18	255
CPAT PROCTOR TRAINING	2	120
DECONTAMINATION	21	532
DEFENSE AGAINST WEAPONS OF MASS DESTR AWARENESS	18	102
DOMESTIC PREPRDNS RESP TO RADIATION INCIDENTS	2	41
DUTCHESS COUNTY WEEKEND	1	114
ELECTRIC VEHICLE SAFETY FOR EMERGENCY RESPONDERS	16	225
ELECTRICAL FIRE CAUSE DETERMINATION I	1	17
ELECTRICAL FIRE CAUSE DETERMINATION II	1	14
ELEVATOR EMERGENCIES	1	28
ELEVATOR EMERGENCY RESCUE PROCEDURES	1	28
EMERG RESPONSE TO CHEMICAL WMD AGENTS	1	15
EMERGENCY BOAT OPERATIONS & RESCUE	2	32
EMERGENCY ESCAPE SYSTEM TTT	1	11
EMERGENCY MEDICAL TECHNICIAN CORE CONTENT REFRESHER	2	20
EMERGENCY MEDICAL TECHNICIAN REFRESHER	3	51
EMERGENCY MEDICAL TECHNICIAN-BASIC	2	29

## APPENDIX B

## TRAINING COURSES CONDUCTED AND STUDENT COMPLETIONS IN 2016

TITLE	NUM OFFERINGS	NUM STUDENTS
ENGINE COMPANY OPERATIONS	41	233
EVALUATOR TRAINING	5	154
EVERYTHING A FIREFIGHTER WANTS TO TELL A CODE OFFICIAL	2	37
FASNY EMS CONFERENCE	1	222
FASNY EMS SEMINAR - PRECONFERENCE	1	89
FDNY FIRE MARSHAL BASIC PROGRAM	1	32
FIRE ALARM SYSTEMS WORKSHOP	3	61
FIRE AND LIFE SAFETY EDUCATOR I	1	17
FIRE BEHAVIOR AND ARSON AWARENESS	47	587
FIRE BEHAVIOR AND ARSON AWARENESS / PRINCIPLES OF FIRE INV	4	99
FIRE EXTINGUISHER MAINTENANCE	3	60
FIRE INSPECTOR I	2	21
FIRE MARSHALS AND INSPECTORS PROGRAM	1	228
FIRE MOBILIZATION AND MUTUAL AID	14	270
FIRE MUTUAL AID RESOURCE MANAGEMENT	2	44
FIRE OFFICER I (NFPA 1021-2009 ED.)	47	635
FIRE OFFICER I (NFPA 1021-2014 EDITION)	11	145
FIRE OFFICER II (NFPA 1021-2014 EDITION)	2	39
FIRE OFFICER III (NFPA 1021-2014 EDITION)	1	3
FIRE OPERATIONS CENTER - SECTIONS COURSE	1	24
FIRE POLICE	56	910
FIRE REPORTING WORKSHOP - VERSION 5.0	18	284
FIRE SAFETY AND RESPONSE FOR LAW ENFORCEMENT	1	10
FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION	3	100
FIRE SAFETY FOR DIRECT SUPPORT PROFESSIONALS (OPWDD)	171	2,153
FIRE SAFETY FOR FREE THINKING ART STUDENTS	1	70
FIRE SAFETY INSPECTIONS AT CORRECTIONAL FACILITIES	1	30
FIRE SCENE EVIDENCE COLLECTION	1	22
FIRE SERVICE INSTRUCTOR I	15	294
FIRE SERVICE INSTRUCTOR II	5	89
FIRE SERVICE WOMEN OF NEW YORK STATE TRAINING	1	25
FIRE SPRINKLER PLANS REVIEW	2	45
FIRE SPRINKLER SYSTEMS WORKSHOP	3	67
FIRE/ARSON INVESTIGATION	3	72
FIRE/ARSON INVESTIGATION SEMINAR	1	374
FIRE/ARSON INVESTIGATION SPECIALTY - INTERVIEWING TECHNIQUES FOR THE FIR	1	10
FIRE/ARSON INVESTIGATION SPECIALTY - INVEST PHOTOGRAPHY	2	33
FIREFIGHTER ASSIST AND SEARCH TEAM (FAST)	74	382
FIREFIGHTER I	149	1,851
FIREFIGHTER 2	54	428
FIREFIGHTER SURVIVAL	110	1,073
FIREGROUND STRATEGIES AND TACTICS FOR FIRST ARRIVING COMPANIES	2	76
FIREWORKS AND PYROTECHNIC TRAINING	2	10
FIRST LINE SUPERVISOR TO FIRE OFFICER I BRIDGE COURSE	1	4
FIRST LINE SUPERVISORS TRAINING PROGRAMS	5	127
FIRST RECEIVER DECONTAMINATION	2	31
FIRST RESPONDER ADMINISTRATION OF INTRANASAL NALOXONE TO REVERSE OPIO	3	24
FLAMMABLE & COMBUSTIBLE LIQUID EMERGENCIES	6	126
FLAMMABLE GAS EMERGENCY RESPONSE WORKSHOP	2	69
GROUP HOME AWARENESS FOR THE FIRE SERVICE	6	146
HANDLING ELEVATOR EMERGENCIES	3	32
HAZ MAT STAFF REFRESHER TRAINING	1	37

## APPENDIX B

## TRAINING COURSES CONDUCTED AND STUDENT COMPLETIONS IN 2016

TITLE	NUM OFFERINGS	NUM STUDENTS
HAZ MAT TECH MODULE 1: PRIMARY SKILLS FOR THE HAZARDOUS MATERIALS RESP	12	112
HAZ MAT TECH MODULE 2: INTERPRETING THE HAZARDOUS ENVIRONMENT	6	83
HAZ MAT TECH MODULE 3: MANAGING THE HAZARDOUS MATERIALS INCIDENT	2	38
HAZ MAT TECH MODULE 4: ADVANCED SKILLS FOR THE HAZARDOUS MATERIALS RES	2	38
HAZ MAT TECH MODULE 5: SPECIALTY SKILLS FOR THE HAZARDOUS MATERIALS RES	2	40
HAZARD COMMUNICATION	1	64
HAZARDOUS MATERIALS FIRST RESPONDER AWARENESS	15	135
HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONS	103	1,353
HAZARDOUS MATERIALS INCIDENT COMMAND	20	304
HAZARDOUS MATERIALS INCIDENT SAFETY OFFICER	5	59
HAZARDOUS MATERIALS REFRESHER TRAINING	2	31
HAZARDOUS MATERIALS TECHNICIAN BASIC REFRESHER	14	227
HAZARDOUS MATERIALS TECHNICIAN REFRESHER	1	18
HAZARDOUS MATERIALS TECHNICIAN REFRESHER 2016	1	23
HAZARDOUS MATERIALS TRAINING PROGRAM	1	141
HIGHWAY SAFETY FOR EMERGENCY RESPONDERS	10	152
HM FIRST RESP OPS ANNUAL REFRESHER	126	2,526
ICE/COLD WATER RESCUE-TECHNICIAN LEVEL	14	180
ICS-100.B: INTRODUCTION TO ICS	52	245
ICS-200.B: ICS FOR SINGLE RESOURCES AND INITIAL ACTION INCIDENTS	29	114
INCIDENT COMMAND SYS (NFA) (NOW ICS I-200 (1H))	2	8
INCIDENT RESPONSE TO TERRORIST BOMBINGS	1	35
INCIDENT SAFETY OFFICER (NFA)	35	403
INDUSTRIAL AND AGRICULTURAL MACHINERY RESCUE	1	25
IN-SERVICE SAFETY TRAINING (OSHA REFRESHER)	2	237
IN-SERVICE TRAINING	19	513
IN-SERVICE TRAINING - AVET	1	18
IN-SERVICE TRAINING - WATER RESCUE	1	19
INSPECTION SAFETY	1	33
INSTRUCTIONAL TECH FOR COMPANY OFFICERS (NFA)	1	14
INTERMEDIATE ICS, ICS FOR EXPANDING INCIDENTS I-300	26	287
INTRODUCTION TO FIRE OFFICER	5	130
INTRODUCTION TO OFPC COLLEGE INSPECTIONS	1	71
IS-700.A:NATIONAL INCIDENT MANAGEMENT SYSTEM, AN INTRODUCTION	51	164
IS-702: NIMS PUBLIC INFORMATION	2	2
IS-703: NIMS RESOURCE MANAGEMENT	1	1
IS-706: NIMS INTRASTATE MUTUAL AID, AN INTRODUCTION	2	2
JUVENILE FIRESETTER SYMPOSIUM	1	41
LEADERSHIP ACCOUNTABILITY, CULTURE AND KNOWLEDGE	15	217
LEADERSHIP SO EVERYONE GOES HOME	2	32
LEGAL ISSUES FOR THE FIRE SERVICE INSTRUCTOR	5	62
LEGAL ISSUES FOR THE VOLUNTEER FIRE SERVICE	1	11
LIVE FIRE CLASS B FOAM OPERATIONS	13	174
LIVE FIRE POLICY TRAINING	3	53
LIVE FIRE TRAINING (NFPA 1403, 2012 EDITION)	48	669
MED STRUCTRL COLLPSE OPS: VOID SRCH & RSC	7	177
MEDIUM STRUCT COLLAPSE OPS: EXT SHORING	9	143
MEDIUM STRUCT COLLAPSE OPS: INT SHORING	9	129
MEDIUM STRUCTURAL COLLAPSE CONCEPTS	12	200
MEDIUM STRUCTURAL COLLAPSE OPERATIONS: TOOLS	21	401
MRI AWARENESS	2	60
MUNICIPAL TRAINING OFFICERS WORKSHOP	5	241

## APPENDIX B

## TRAINING COURSES CONDUCTED AND STUDENT COMPLETIONS IN 2016

TITLE	NUM OFFERINGS	NUM STUDENTS
NIMS IS 800 NAT'L RESP PLAN (NRP) AN INTRODUCTION	9	31
NYS DOH CERTIFIED INSTRUCTOR UPDATE	2	7
NYS FIRE SERVICES TRAINING CONFERENCE -LEADERSHIP SEMINAR	1	18
NYS FIRE SERVICES TRAINING WEEKEND	1	90
NYS INSTRUCTOR'S AUTHORIZATION TRAINING PROGRAM	3	350
NYS TRUSS IDENTIFICATION LAW	1	35
ON-SCENE REHABILITATION FOR EMERGENCY OPERATIONS	16	182
OSWEGO COUNTY WEEKEND	1	91
PASSENGER TRAIN EMERGENCY - AWARENESS	6	108
PASSENGER TRAIN EMERGENCY RESCUE PROCEDURES	6	92
PERSONAL PROTECTIVE EQUIPMENT FOR THE HAZ MAT OPERATIONS LEVEL RESPO	12	147
PREPARATION FOR INITIAL COMPANY OPERATIONS (PICO) (NFA)	1	14
PRINCIPLES OF BLDG CONST: COMBUSTIBLE (NFA)	44	847
PRINCIPLES OF BUILDING CONSTRUCTION: NONCOMBUSTIBLE (NFA)	31	777
PRINCIPLES OF FIRE INVESTIGATION	13	173
PRINCIPLES OF INSTRUCTION	33	426
PUBLIC FIRE PREVENTION EDUCATION PROGRAM	1	144
PUBLIC SAFETY CRITICAL INCIDENT MANAGEMENT	2	16
PUBLIC SAFETY DISPATCHER I (APCO)	2	26
PUBLIC SAFETY DISPATCHER II	1	18
PUBLIC SAFETY WELLNESS, FITNESS AND REHAB AWARENESS	6	217
PUMPER SERVICE TESTING	1	12
Q133 & H134: CALLING THE MAYDAY COURSES (NFA)	1	3
RAILROAD TANK CAR EMERGENCIES	1	19
RECOGNIZING CLANDESTINE DRUG LAB OPERATIONS	16	454
RECRUIT FIREFIGHTER TRAINING	5	65
REFRESHER TRAINING - 12 HOURS	10	131
REFRESHER TRAINING - 4 HOURS	10	138
REFRESHER TRAINING - 6 HOURS	40	638
REFRESHER TRAINING - 9 HOURS	56	355
REGIONAL FIRE ADMINISTRATORS CONFERENCE	1	63
RESCUE HEAVY RIGGING OPERATIONS	1	20
RESCUE TECH - BASIC/CONFINED SPACE -TECH LEVEL	2	23
RESCUE TECHNICIAN - BASIC	74	732
RESPONDING TO WELLSITE EMERGENCIES: INFORMATION FOR THE FIRST RESPONDI	9	124
ROPE RESCUE-OPERATIONS LEVEL	19	213
ROPE RESCUE-TECHNICIAN LEVEL I	15	185
ROPE RESCUE-TECHNICIAN LEVEL II	3	38
SAMPLING DEVICES AND TECHNIQUES	1	6
SAMPLING TECHNIQUES FOR THE HAZARDOUS MATERIALS TECHNICIAN	2	12
SCBA CONFIDENCE	35	196
SCBA/INTERIOR FIREFIGHTING OPERATIONS - FF1	15	444
SCHOOL BUS RESCUE	11	203
SCHOOL BUS RESCUE PRACTICAL SKILLS	12	203
STATE FINANCIAL SYSTEM OVERVIEW	15	66
STRATEGY AND TACTICS FOR INITIAL COMPANY OPERATIONS (NFA)	26	378
SULLIVAN COUNTY WEEKEND	1	87
SWIFT WATER RESCUE-OPERATIONS LEVEL	4	47
SWIFT-WATER RESCUE-TECHNICIAN LEVEL	1	1
SWIFTWATER/FLOOD RESCUE TECHNICIAN	10	94
TACTICAL FIREGROUND SIMULATIONS	3	74
TECH RESCUE STAFF REFRESHER TRAINING	2	47

## APPENDIX B

## TRAINING COURSES CONDUCTED AND STUDENT COMPLETIONS IN 2016

TITLE	NUM OFFERINGS	NUM STUDENTS
TECHNICAL RESCUE CONFERENCE	1	197
THE CHALLENGE OF PESTICIDES AND POISONS	1	25
THE RULES HAVE CHANGED THE FIREFIGHTERS GUIDE TO LIGHTWEIGHT WOOD CO	26	311
TRAFFIC INCIDENT MANAGEMENT SYSTEM	25	378
TRENCH RESCUE-AWARENESS LEVEL	38	637
TRENCH RESCUE-OPERATIONS LEVEL	8	268
TRENCH RESCUE-TECHNICIAN LEVEL	8	128
TRUCK COMPANY OPERATIONS	56	462
U/TSAR IN-SERVICE TRAINING - ROPE	1	18
VEHICLE ARSON AWARENESS PROGRAM (VAAP)	2	175
VEHICLE FIRE INVESTIGATION	2	27
VOLUNTEER FIRE POLICE ASSOCIATION CONFERENCE	1	185
W0376-INCIDENT COMMANY SYSTEM AND RESOURCE MANAGEMENT FOR THE FIRE	1	22
W0549-EMER RESP TO TERRSM:STRTGC AND TCTL CONSIDER FOR SUPERVISORS (N	1	23
W0760-NEW FIRE CHIEF 1: CHALLENGING ISSUES	1	22
W0761-NEW FIRE CHIEF II: ADMINISTRATIVE ISSUES	1	29
W457-MANAGING COMPANY TACTICAL OPERATIONS: DECISION MAKING (NFA)	1	21
W521 EXECUTIVE SKILLS SERIES EXERCSG LEADERSHIP TO FACILITATE ADAPTIVE C	1	19
W730 HEALTH AND SAFETY OFFICER (NFA)	9	73
W803 LEADERSHIP I - STRATEGIES FOR COMPANY SUCCESS (NFA)	1	28
WATER RESCUE-AWARENESS LEVEL	43	542
WATER RESCUE-OPERATIONS LEVEL	2	21
WATER SUPPLY OPERATIONS	22	91
WELDING AND HOT WORKS FIRE SAFETY PROGRAM	1	41
YOUTH FIRESETTING PREVENTION AND INTERVENTION - LEVEL II (NFA)	1	20
	3,370	46,228

## APPENDIX C

## NUMBER OF TRAINING COURSES CONDUCTED AND STUDENT COMPLETIONS IN 2016, BY COUNTY

COUNTY	COURSES CONDUCTED	STUDENT COMPLETIONS
ALBANY	185	2,010
ALLEGANY	19	201
BROOME	74	1,302
CATTARAUGUS	31	149
CAYUGA	46	294
CHAUTAUQUA	36	403
CHEMUNG	37	295
CHENANGO	37	323
CLINTON	28	331
COLUMBIA	40	490
CORTLAND	27	353
DELAWARE	10	90
DUTCHESS	100	1,419
ERIE	149	1,869
ESSEX	33	284
FRANKLIN	53	607
FULTON	15	177
GENESEE	41	417
GREENE	29	348
HAMILTON	5	70
HERKIMER	25	155
JEFFERSON	36	552
KINGS	5	177
LEWIS	21	180
LIVINGSTON	10	86
MADISON	21	215
MONROE	160	1,622
MONTGOMERY	23	261
NASSAU	92	1,247
NEW YORK	80	2,644
NIAGARA	51	648
ONEIDA	87	781
ONONDAGA	144	1,032
ONTARIO	34	389
ORANGE	134	1,443
ORLEANS	28	352
OSWEGO	34	544
OTSEGO	25	362
PUTNAM	16	140
QUEENS	8	2
RENSSELAER	74	756
RICHMOND	5	78
ROCKLAND	37	480
ST. LAWRENCE	47	492
SARATOGA	37	508
SCHENECTADY	44	509
SCHOHARIE	33	246
SCHUYLER	291	7,337
SENECA	22	207
STEUBEN	27	342
SUFFOLK	79	1,697
SULLIVAN	56	789
TIOGA	30	416
TOMPKINS	23	490
ULSTER	50	681

## APPENDIX C

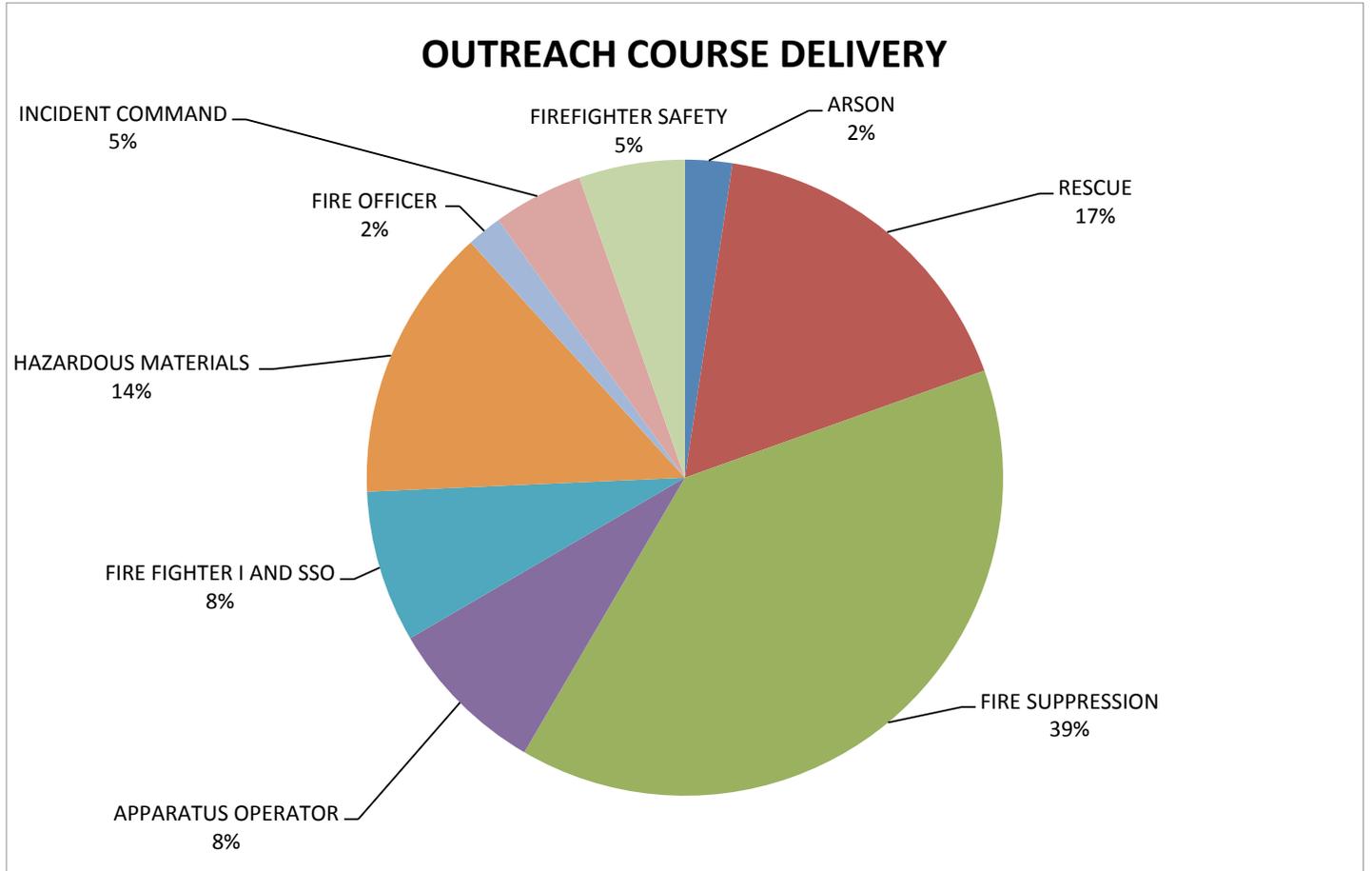
## NUMBER OF TRAINING COURSES CONDUCTED AND STUDENT COMPLETIONS IN 2016, BY COUNTY

<b>COUNTY</b>	<b>COURSES CONDUCTED</b>	<b>STUDENT COMPLETIONS</b>
WARREN	22	236
WASHINGTON	26	333
WAYNE	50	987
WESTCHESTER	213	2,849
WYOMING	24	137
YATES	24	372
OUT OF STATE	85	227
NONE	98	2,317
UNKN	1	23
	3,429	46,773

APPENDIX D

OUTREACH TRAINING COURSES CHART 2016

ARSON 82	RESCUE 586	FIRE SUPPRESSION 1330	APPARATUS OPERATOR 279	FIRE FIGHTER I AND SSO 264	HAZARDOUS MATERIALS 477	FIRE OFFICER 61	INCIDENT COMMAND 157	FIREFIGHTER SAFETY 184
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APPENDIX E  
TRAINING HOURS REQUESTED, ALLOCATED AND USED, BY COUNTY

County	INSTRUCTORS Assigned 2014	Allocation 2013/14	Actual Use 2013/14	Allocation 2014/15	Actual Use 2014/15	Allocation 2015/16	Actual Use 2015/16	Allocation 2016/17	Actual Use 2016/17
ALBANY	11	1600	1380	1600	1130	1600	2779	1600	1865
ALLEGANY	6	950	699	950	1203	950	1213	1000	288
BROOME	8	1400	1215	1400	1650	1400	2240	1610	1836
CATTARAUGUS	5	950	591	950	789	950	485	900	368
CAYUGA	7	1300	964	1300	809	1300	1978	1300	1187
CHAUTAUQUA	7	1200	845	1200	860	1200	951	1150	1448
CHEMUNG	4	970	752	970	801	970	1309	920	871
CHENANGO	6	750	526	750	813	750	1017	800	718
CLINTON	5	1000	812	1000	533	1000	1048	950	752
COLUMBIA	4	1300	721	1300	887	1300	1108	1250	931
CORTLAND	4	900	883	900	796	900	1047	900	895
DELAWARE	4	800	612	800	528	800	596	800	345
DUTCHESS	10	1700	2120	2100	1735	2100	1820	2050	1845
ERIE	24	3000	2733	3000	3480	3000	4528	3310	4416
ESSEX	4	800	569	800	870	800	977	800	1070
FRANKLIN	5	950	594	950	1097	950	1428	1000	1012
FULTON	3	770	532	770	708	770	1123	800	151
GENESEE	6	1200	860	1200	706	1200	952	1150	786
GREENE	5	1100	791	1100	882	1100	718	1050	806
HAMILTON	2	450	259	450	249	450	203	400	168
HERKIMER	4	1000	940	1000	1071	1000	825	1000	698
JEFFERSON	7	1100	1193	1100	1226	1100	1636	1250	867
LEWIS	2	650	224	650	255	650	901	600	561
LIVINGSTON	4	880	805	880	354	880	467	830	683
MADISON	6	1200	831	1200	843	1200	581	1200	938
MONROE	9	1600	1250	1600	1283	1600	1021	1550	961
MONTGOMERY	3	800	877	800	695	800	942	850	610
NIAGARA	5	1600	1108	1600	1780	1600	1576	1550	1894
ONEIDA	8	1900	1465	1900	2008	1900	2103	1900	1513
ONONDAGA	9	2100	2370	2400	2873	2400	3331	2650	1992
ONTARIO	6	1300	569	1300	719	1300	1196	1250	904
ORANGE	12	2700	2524	2700	2108	2700	3290	2700	2223
ORLEANS	6	1000	681	1000	1197	1000	451	950	481
OSWEGO	7	1200	1181	1200	852	1200	1156	1150	1296
OTSEGO	5	750	376	750	343	750	434	700	705
PUTNAM	7	1000	1034	1000	1201	1000	841	1100	794
RENSSELAER	9	2200	2321	2200	1791	2200	3051	2300	2517
ROCKLAND	8	1800	1249	1800	1001	1800	1701	1750	1258
ST. LAWRENCE	6	1350	891	1350	1255	1350	1311	1300	874
SARATOGA	8	1900	1764	1900	1815	1900	1590	1850	1091
SCHENECTADY	7	1000	896	1000	607	1000	1067	950	674

APPENDIX E  
TRAINING HOURS REQUESTED, ALLOCATED AND USED, BY COUNTY

County	INSTRUCTORS Assigned 2014	Allocation 2013/14	Actual Use 2013/14	Allocation 2014/15	Actual Use 2014/15	Allocation 2015/16	Actual Use 2015/16	Allocation 2016/17	Actual Use 2016/17
SCHOHARIE	4	800	613	800	554	800	1100	800	705
SCHUYLER	6	660	299	660	533	660	1014	610	271
SENECA	4	1100	554	1100	697	1100	669	1050	506
STEUBEN	8	800	724	800	856	800	901	800	592
SULLIVAN	8	1700	1568	1700	1160	1700	1843	1650	1195
TIOGA	5	770	532	770	797	770	730	720	483
TOMPKINS	4	770	966	770	597	770	370	720	616
ULSTER	8	1500	1551	1500	1603	1500	2089	1750	1743
WARREN	5	990	1066	990	676	990	794	940	750
WASHINGTON	5	890	530	890	735	890	943	840	682
WAYNE	4	1000	711	1000	680	1000	746	950	833
WESTCHESTER	14	2700	2260	2700	2914	2700	3444	2800	2335
WYOMING	5	800	667	800	799	800	905	800	744
YATES	5	800	449	800	978	800	935	750	414
<b>SFI HOURS TOTAL</b>	<b>353</b>	<b>67400</b>	<b>55497</b>	<b>68100</b>	<b>59382</b>	<b>68100</b>	<b>73474</b>	<b>68100</b>	<b>57161</b>

## APPENDIX F

## OUTREACH TRAINING COURSES CONDUCTED AND STUDENT COMPLETIONS IN 2016

COURSE TITLE	COURSES CONDUCTED	STUDENT COMPLETIONS
ACCIDENT VICTIM EXTRICATION TRAINING	62	867
AIRCRAFT RESCUE AND FIREFIGHTING	3	69
APPARATUS OPERATOR - AERIAL DEVICE	19	157
APPARATUS OPERATOR - EMERGENCY VEHICLE OPERATIONS	57	825
APPARATUS OPERATOR - PUMP	80	908
BASIC EXTERIOR FIREFIGHTING OPERATIONS	54	387
BASIC EXTERIOR FIREFIGHTING OPERATIONS, 2016 EDITION W/HMFRO	28	223
BASIC STRUCTURAL COLLAPSE OPERATIONS	13	262
BASIC WILDLAND SEARCH SKILLS (DEC)	1	39
CFC/INSTRUCTOR TRAINING/SCHEDULING MEETING	75	7
CONFINED SPACE RESCUE - TECHNICIAN LEVEL	1	21
CONFINED SPACE: AWARENESS AND SAFETY	21	284
COURAGE TO BE SAFE; FIREFIGHTER LIFE SAFETY INITIATIVES	8	41
DEFENSE AGAINST WEAPONS OF MASS DESTR AWARENESS	2	33
ELECTRIC VEHICLE SAFETY FOR EMERGENCY RESPONDERS	11	174
EMERGENCY ESCAPE SYSTEM TTT	1	11
ENGINE COMPANY OPERATIONS	32	204
FIRE BEHAVIOR AND ARSON AWARENESS	31	515
FIRE OFFICER I (NFPA 1021-2009 ED.)	42	587
FIRE OFFICER I (NFPA 1021-2014 EDITION)	5	37
FIRE POLICE	18	287
FIRE SAFETY FOR DIRECT SUPPORT PROFESSIONALS (OPWDD)	1	2
FIREFIGHTER ASSIST AND SEARCH TEAM (FAST)	42	420
FIREFIGHTER I	93	1,236
FIREFIGHTER II	18	171
FIREFIGHTER SURVIVAL	72	752
HAZARDOUS MATERIALS FIRST RESPONDER AWARENESS	3	33
HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONS	50	464
HIGHWAY SAFETY FOR EMERGENCY RESPONDERS	4	48
HM FIRST RESP OPS ANNUAL REFRESHER	91	1,847
ICE/COLD WATER RESCUE-TECHNICIAN LEVEL	2	21
ICS-100.B: INTRODUCTION TO ICS	10	78
ICS-200.B: ICS FOR SINGLE RESOURCES AND INITIAL ACTION INCIDENTS	5	49
INCIDENT SAFETY OFFICER (NFA)	22	255
INTERMEDIATE ICS, ICS FOR EXPANDING INCIDENTS I-300	10	104
IS-700.A:NATIONAL INCIDENT MANAGEMENT SYSTEM, AN INTRODUCTION	5	30
LEADERSHIP ACCOUNTABILITY, CULTURE AND KNOWLEDGE	3	35
LIVE FIRE TRAINING (NFPA 1403, 2012 EDITION)	24	394
MEDIUM STRUCTURAL COLLAPSE CONCEPTS	1	22
ON-SCENE REHABILITATION FOR EMERGENCY OPERATIONS	12	115
PRINCIPLES OF BLDG CONST: COMBUSTIBLE (NFA)	17	243
PRINCIPLES OF BUILDING CONSTRUCTION: NONCOMBUSTIBLE (NFA)	9	145
PRINCIPLES OF INSTRUCTION	19	243
REFRESHER TRAINING - 12 HOURS	5	55
REFRESHER TRAINING - 4 HOURS	7	82
REFRESHER TRAINING - 6 HOURS	32	339
REFRESHER TRAINING - 9 HOURS	21	243
RESCUE TECHNICIAN - BASIC	45	494
SCBA CONFIDENCE	16	91
SCBA/INTERIOR FIREFIGHTING OPERATIONS - FF1	4	27
STRATEGY AND TACTICS FOR INITIAL COMPANY OPERATIONS (NFA)	17	247
THE RULES HAVE CHANGED THE FIREFIGHTERS GUIDE TO LIGHTWEIGHT WOOD CO	20	260
TRAFFIC INCIDENT MANAGEMENT SYSTEM	6	65
TRENCH RESCUE-AWARENESS LEVEL	15	252
TRUCK COMPANY OPERATIONS	28	256
W730 HEALTH AND SAFETY OFFICER (NFA)	7	41
WATER RESCUE-AWARENESS LEVEL	20	327
WATER SUPPLY OPERATIONS	17	72
YOUTH FIRESSETTING PREVENTION AND INTERVENTION - LEVEL II (NFA)	1	20
	1,338	15,516

## APPENDIX G

## MUNICIPAL TRAINING COURSES AND STUDENT COMPLETIONS IN 2016

COURSE TITLE	COURSES CONDUCTED	STUDENT COMPLETIONS
ACCIDENT VICTIM EXTRICATION TRAINING	28	127
ADVANCED ICS, ICS FOR COMMAND AND GENERAL STAFF COMPLEX INCIDENTS I-4	3	7
APPARATUS OPERATOR - AERIAL DEVICE	18	53
APPARATUS OPERATOR - EMERGENCY VEHICLE OPERATIONS	33	330
APPARATUS OPERATOR - PUMP	34	235
BASIC EXTERIOR FIREFIGHTING OPERATIONS	9	33
BASIC EXTERIOR FIREFIGHTING OPERATIONS, 2016 EDITION W/HMFRO	2	30
BASIC STRUCTURAL COLLAPSE OPERATIONS	13	114
BASIC WILDLAND FIRE SUPPRESSION	3	16
CONFINED SPACE RESCUE - TECHNICIAN LEVEL	8	63
CONFINED SPACE: AWARENESS AND SAFETY	21	149
COURAGE TO BE SAFE; FIREFIGHTER LIFE SAFETY INITIATIVES	3	25
DEFENSE AGAINST WEAPONS OF MASS DESTR AWARENESS	13	38
ELECTRIC VEHICLE SAFETY FOR EMERGENCY RESPONDERS	3	1
ENGINE COMPANY OPERATIONS	9	29
FIRE BEHAVIOR AND ARSON AWARENESS	15	72
FIRE OFFICER I (NFPA 1021-2009 ED.)	3	18
FIRE POLICE	9	133
FIRE REPORTING WORKSHOP - VERSION 5.0	2	21
FIRE SERVICE INSTRUCTOR I	3	2
FIREFIGHTER ASSIST AND SEARCH TEAM (FAST)	27	189
FIREFIGHTER I	35	353
FIREFIGHTER II	24	78
FIREFIGHTER SURVIVAL	29	168
HANDLING ELEVATOR EMERGENCIES	2	16
HAZARDOUS MATERIALS FIRST RESPONDER AWARENESS	7	7
HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONS	39	641
HM FIRST RESP OPS ANNUAL REFRESHER	14	332
ICS-100.B: INTRODUCTION TO ICS	8	36
ICS-200.B: ICS FOR SINGLE RESOURCES AND INITIAL ACTION INCIDENTS	9	21
INCIDENT SAFETY OFFICER (NFA)	5	32
IN-SERVICE TRAINING	19	513
INTERMEDIATE ICS, ICS FOR EXPANDING INCIDENTS I-300	3	57
INTRODUCTION TO FIRE OFFICER	5	130
IS-700.A:NATIONAL INCIDENT MANAGEMENT SYSTEM, AN INTRODUCTION	9	36
LEADERSHIP ACCOUNTABILITY, CULTURE AND KNOWLEDGE	1	32
LIVE FIRE TRAINING (NFPA 1403, 2012 EDITION)	6	60
MEDIUM STRUCTURAL COLLAPSE CONCEPTS	1	24
MEDIUM STRUCTURAL COLLAPSE OPERATIONS: TOOLS	5	36
MUNICIPAL TRAINING OFFICERS WORKSHOP	5	241
NIMS IS 800 NAT'L RESP PLAN (NRP) AN INTRODUCTION	1	21
ON-SCENE REHABILITATION FOR EMERGENCY OPERATIONS	2	38
PRINCIPLES OF BLDG CONST: COMBUSTIBLE (NFA)	19	47
PRINCIPLES OF BUILDING CONSTRUCTION: NONCOMBUSTIBLE (NFA)	15	46
PRINCIPLES OF INSTRUCTION	5	46
PUBLIC SAFETY CRITICAL INCIDENT MANAGEMENT	2	16
REFRESHER TRAINING - 6 HOURS	2	227
REFRESHER TRAINING - 9 HOURS	12	93
RESCUE TECHNICIAN - BASIC	24	108
ROPE RESCUE-OPERATIONS LEVEL	1	16
ROPE RESCUE-TECHNICIAN LEVEL I	6	64
SCBA CONFIDENCE	17	37
SCBA/INTERIOR FIREFIGHTING OPERATIONS - FF1	2	31
STRATEGY AND TACTICS FOR INITIAL COMPANY OPERATIONS (NFA)	3	18
THE RULES HAVE CHANGED THE FIREFIGHTERS GUIDE TO LIGHTWEIGHT WOOD C	1	13
TRENCH RESCUE-AWARENESS LEVEL	13	130
TRENCH RESCUE-OPERATIONS LEVEL	2	50
TRENCH RESCUE-TECHNICIAN LEVEL	3	52
TRUCK COMPANY OPERATIONS	18	62
WATER RESCUE-AWARENESS LEVEL	18	103
	651	5,716

## APPENDIX H

## SUPPLEMENTAL TRAINING COURSES AND STUDENT COMPLETIONS IN 2016

<b>COURSE TITLE</b>	<b>COURSES CONDUCTED</b>	<b>STUDENT COMPLETIONS</b>
ACCIDENT VICTIM EXTRICATION TRAINING	3	29
ADVANCED ROPE RESCUE II	1	22
APPARATUS OPERATOR - EMERGENCY VEHICLE OPERATIONS	10	113
APPARATUS OPERATOR - PUMP	4	37
BASIC EXTERIOR FIREFIGHTING OPERATIONS	3	48
BASIC STRUCTURAL COLLAPSE OPERATIONS	2	72
BASIC WILDLAND FIRE SUPPRESSION	1	10
CONFINED SPACE: AWARENESS AND SAFETY	2	65
FIRE POLICE	5	76
FIREFIGHTER I	3	34
FIREFIGHTER II	1	15
FIREFIGHTER SURVIVAL	1	16
HANDLING ELEVATOR EMERGENCIES	1	16
HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONS	1	7
HM FIRST RESP OPS ANNUAL REFRESHER	14	125
INCIDENT SAFETY OFFICER (NFA)	2	19
INTERMEDIATE ICS, ICS FOR EXPANDING INCIDENTS I-300	2	26
LEADERSHIP ACCOUNTABILITY, CULTURE AND KNOWLEDGE	3	72
LIVE FIRE TRAINING (NFPA 1403, 2012 EDITION)	5	34
MED STRUCTRL COLLPSE OPS: VOID SRCH & RSC	1	2
PASSENGER TRAIN EMERGENCY RESCUE PROCEDURES	1	16
PRINCIPLES OF BLDG CONST: COMBUSTIBLE (NFA)	2	8
PRINCIPLES OF BUILDING CONSTRUCTION: NONCOMBUSTIBLE (NFA)	1	7
PRINCIPLES OF INSTRUCTION	2	17
REFRESHER TRAINING - 12 HOURS	1	14
REFRESHER TRAINING - 6 HOURS	5	54
REFRESHER TRAINING - 9 HOURS	1	19
STRATEGY AND TACTICS FOR INITIAL COMPANY OPERATIONS (NFA)	2	29
TRAFFIC INCIDENT MANAGEMENT SYSTEM	2	51
TRENCH RESCUE-AWARENESS LEVEL	1	38
TRENCH RESCUE-TECHNICIAN LEVEL	1	18
W730 HEALTH AND SAFETY OFFICER (NFA)	1	5
	85	1,114

## APPENDIX I

## ACADEMY OF FIRE SCIENCE TRAINING COURSES AND STUDENT COMPLETIONS IN 2016

COURSE TITLE	COURSES CONDUCTED	STUDENT COMPLETIONS
24 RFFT FIRE PREVENTION TRAINING	2	78
ACCELERANT DETECTION CANINE TEAM ANNUAL IN-SERVICE TRAINING WORKSHOP	1	10
ACCIDENT VICTIM EXTRICATION TRAINING	4	104
ADVANCED HAZARDOUS MATERIALS TECHNICIAN	1	29
AIRCRAFT RESCUE AND FIREFIGHTING	1	28
ALTERNATIVE FIRE EXTINGUISHING SYSTEMS	2	21
ALTERNATIVE FUELED VEHICLES AND NEW VEHICLE TECHNOLOGY	2	32
APPARATUS OPERATOR - EMERGENCY VEHICLE OPERATIONS	2	69
APPARATUS OPERATOR - PUMP	2	68
BASIC FOAM OPERATIONS - IN-SERVICE	1	20
BASIC STRUCTURAL COLLAPSE OPERATIONS	2	25
CANINE ACCELERANT DETECTION RECERTIFICATION	1	12
CARGO TRUCK-HAZARDOUS MATERIALS SPECIALIST	1	20
CHAUTAUQUA COUNTY WEEKEND	1	49
CONFINED SPACE RESCUE - TECHNICIAN LEVEL	2	26
CONFINED SPACE: AWARENESS AND SAFETY	3	75
COUNTY FIRE COORDINATOR CONFERENCE	1	56
COURAGE TO BE SAFE; FIREFIGHTER LIFE SAFETY INITIATIVES	2	69
DEFENSE AGAINST WEAPONS OF MASS DESTR AWARENESS	1	7
DUTCHESS COUNTY WEEKEND	1	114
ELECTRICAL FIRE CAUSE DETERMINATION I	1	17
ELECTRICAL FIRE CAUSE DETERMINATION II	1	14
EMERGENCY MEDICAL TECHNICIAN CORE CONTENT REFRESHER	2	20
EMERGENCY MEDICAL TECHNICIAN REFRESHER	3	51
EMERGENCY MEDICAL TECHNICIAN-BASIC	2	29
FASNY EMS CONFERENCE	1	222
FASNY EMS SEMINAR - PRECONFERENCE	1	89
FIRE ALARM SYSTEMS WORKSHOP	3	61
FIRE AND LIFE SAFETY EDUCATOR I	1	17
FIRE BEHAVIOR AND ARSON AWARENESS / PRINCIPLES OF FIRE INV	4	99
FIRE EXTINGUISHER MAINTENANCE	3	60
FIRE MARSHALS AND INSPECTORS PROGRAM	1	228
FIRE OFFICER I (NFPA 1021-2014 EDITION)	3	48
FIRE OFFICER II (NFPA 1021-2014 EDITION)	2	39
FIRE OFFICER III (NFPA 1021-2014 EDITION)	1	3
FIRE REPORTING WORKSHOP - VERSION 5.0	2	69
FIRE SCENE EVIDENCE COLLECTION	1	22
FIRE SERVICE INSTRUCTOR I	5	107
FIRE SERVICE INSTRUCTOR II	2	39
FIRE SERVICE WOMEN OF NEW YORK STATE TRAINING	1	25
FIRE SPRINKLER PLANS REVIEW	1	16
FIRE SPRINKLER SYSTEMS WORKSHOP	3	67
FIRE/ARSON INVESTIGATION	3	72
FIRE/ARSON INVESTIGATION SEMINAR	1	374
FIRE/ARSON INVESTIGATION SPECIALTY - INTERVIEWING TECHNIQUES FOR THE FIRE INV.	1	10
FIRE/ARSON INVESTIGATION SPECIALTY - INVEST PHOTOGRAPHY	2	33
FIREFIGHTER I	3	87
FIREFIGHTER II	2	66
FIREFIGHTER SURVIVAL	2	68
FIREGROUND STRATEGIES AND TACTICS FOR FIRST ARRIVING COMPANIES	1	20
FLAMMABLE & COMBUSTIBLE LIQUID EMERGENCIES	1	20
FLAMMABLE GAS EMERGENCY RESPONSE WORKSHOP	2	69
HAZ MAT TECH MODULE 1: PRIMARY SKILLS FOR THE HAZARDOUS MATERIALS RESPONDER	4	60
HAZ MAT TECH MODULE 2: INTERPRETING THE HAZARDOUS ENVIRONMENT	4	60
HAZ MAT TECH MODULE 3: MANAGING THE HAZARDOUS MATERIALS INCIDENT	2	38
HAZ MAT TECH MODULE 4: ADVANCED SKILLS FOR THE HAZARDOUS MATERIALS RESPONDER	2	38
HAZ MAT TECH MODULE 5: SPECIALTY SKILLS FOR THE HAZARDOUS MATERIALS RESPONDER	2	40

## APPENDIX I

## ACADEMY OF FIRE SCIENCE TRAINING COURSES AND STUDENT COMPLETIONS IN 2016

COURSE TITLE	COURSES CONDUCTED	STUDENT COMPLETIONS
HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONS	4	60
HAZARDOUS MATERIALS INCIDENT COMMAND	1	25
HAZARDOUS MATERIALS TRAINING PROGRAM	1	141
HIGHWAY SAFETY FOR EMERGENCY RESPONDERS	1	18
ICE/COLD WATER RESCUE-TECHNICIAN LEVEL	4	47
INCIDENT SAFETY OFFICER (NFA)	1	15
INSTRUCTIONAL TECH FOR COMPANY OFFICERS (NFA)	1	14
JUVENILE FIRESETTER SYMPOSIUM	1	41
LIVE FIRE CLASS B FOAM OPERATIONS	3	17
MEDIUM STRUCTURAL COLLAPSE CONCEPTS	2	30
MEDIUM STRUCTURAL COLLAPSE OPERATIONS: TOOLS	1	10
NYS DOH CERTIFIED INSTRUCTOR UPDATE	2	7
OSWEGO COUNTY WEEKEND	1	91
PERSONAL PROTECTIVE EQUIPMENT FOR THE HAZ MAT OPERATIONS LEVEL RESPONDER	2	10
PUBLIC FIRE PREVENTION EDUCATION PROGRAM	1	144
PUBLIC SAFETY DISPATCHER I (APCO)	2	26
PUBLIC SAFETY DISPATCHER II	1	18
PUMPER SERVICE TESTING	1	12
RAILROAD TANK CAR EMERGENCIES	1	19
RECRUIT FIREFIGHTER TRAINING	5	65
REGIONAL FIRE ADMINISTRATORS CONFERENCE	1	63
RESCUE HEAVY RIGGING OPERATIONS	1	20
RESCUE TECH - BASIC/CONFINED SPACE -TECH LEVEL	2	23
RESCUE TECHNICIAN - BASIC	2	68
ROPE RESCUE-OPERATIONS LEVEL	1	21
ROPE RESCUE-TECHNICIAN LEVEL I	4	48
ROPE RESCUE-TECHNICIAN LEVEL II	3	38
SCBA CONFIDENCE	2	68
SCHOOL BUS RESCUE	1	19
SCHOOL BUS RESCUE PRACTICAL SKILLS	1	19
THE RULES HAVE CHANGED THE FIREFIGHTERS GUIDE TO LIGHTWEIGHT WOOD CONSTRUCTION	1	21
TRENCH RESCUE-AWARENESS LEVEL	1	5
TRUCK COMPANY OPERATIONS	2	68
VEHICLE FIRE INVESTIGATION	2	27
VOLUNTEER FIRE POLICE ASSOCIATION CONFERENCE	1	185
WATER RESCUE-AWARENESS LEVEL	1	7
	171	4,819

## APPENDIX J

## DIRECT DELIVERY TRAINING COURSES AND STUDENT COMPLETIONS IN 2016

COURSE TITLE	COURSES CONDUCTED	STUDENT COMPLETIONS
24 RFFT FIRE PREVENTION TRAINING	1	17
ACCIDENT VICTIM EXTRICATION TRAINING	10	207
ADVANCED SAMPLING TECHNIQUES FOR THE HAZARDOUS MATERIALS TECH	1	6
AIR SAMPLING AND MONITORING FOR THE OPERATIONS LEVEL RESPONDER	10	162
ALTERNATIVE FUELED VEHICLES AND NEW VEHICLE TECHNOLOGY	3	57
APPARATUS OPERATOR - AERIAL DEVICE	2	38
APPARATUS OPERATOR - EMERGENCY VEHICLE OPERATIONS	7	69
APPARATUS OPERATOR - PUMP	3	42
BASIC EXTERIOR FIREFIGHTING OPERATIONS, 2016 EDITION W/HMFRO	1	8
BASIC FOAM OPERATIONS - IN-SERVICE	1	9
BASIC STRUCTURAL COLLAPSE OPERATIONS	3	58
BATH SALTS: THE LATEST THREAT TO RESPONDERS	5	43
BIOLOGICAL TERRORISM, AN OVERVIEW OF THE THREAT	1	25
CFC ORIENTATION	1	18
CHEMICAL SUICIDES: INFORMATION FOR THE RESPONDER	15	235
CLASS B FOAM TRAILER OPERATIONS	19	617
CONFINED SPACE RESCUE - TECHNICIAN LEVEL	1	13
CONFINED SPACE: AWARENESS AND SAFETY	1	8
COURAGE TO BE SAFE; FIREFIGHTER LIFE SAFETY INITIATIVES	3	150
CPAT PROCTOR TRAINING	2	120
DECONTAMINATION	21	532
DEFENSE AGAINST WEAPONS OF MASS DESTR AWARENESS	1	8
DOMESTIC PREPRDNS RESP TO RADIATION INCIDENTS	2	41
EMERG RESPONSE TO CHEMICAL WMD AGENTS	1	15
EMERGENCY BOAT OPERATIONS & RESCUE	1	18
EVALUATOR TRAINING	5	154
EVERYTHING A FIREFIGHTER WANTS TO TELL A CODE OFFICIAL	2	37
FDNY FIRE MARSHAL BASIC PROGRAM	1	32
FIRE INSPECTOR I	1	13
FIRE MOBILIZATION AND MUTUAL AID	14	270
FIRE MUTUAL AID RESOURCE MANAGEMENT	2	44
FIRE OFFICER I (NFPA 1021-2014 EDITION)	2	50
FIRE OPERATIONS CENTER - SECTIONS COURSE	1	24
FIRE REPORTING WORKSHOP - VERSION 5.0	14	194
FIRE SAFETY AND RESPONSE FOR LAW ENFORCEMENT	1	10
FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION	3	100
FIRE SAFETY FOR DIRECT SUPPORT PROFESSIONALS (OPWDD)	170	2,151
FIRE SAFETY FOR FREE THINKING ART STUDENTS	1	70
FIREFIGHTER 2	1	18
FIREFIGHTER ASSIST AND SEARCH TEAM (FAST)	2	23
FIREFIGHTER SURVIVAL	3	37
FIREGROUND STRATEGIES AND TACTICS FOR FIRST ARRIVING COMPANIES	1	56
FIREWORKS AND PYROTECHNIC TRAINING	2	10
FIRST RECEIVER DECONTAMINATION	2	31
FIRST RESPONDER ADMINISTRATION OF INTRANASAL NALOXONE TO REVER	2	10
FLAMMABLE & COMBUSTIBLE LIQUID EMERGENCIES	5	106
GROUP HOME AWARENESS FOR THE FIRE SERVICE	6	146
HAZ MAT STAFF REFRESHER TRAINING	1	37
HAZ MAT TECH MODULE 1: PRIMARY SKILLS FOR THE HAZARDOUS MATERIA	8	52
HAZ MAT TECH MODULE 2: INTERPRETING THE HAZARDOUS ENVIRONMENT	2	23
HAZARD COMMUNICATION	1	64
HAZARDOUS MATERIALS FIRST RESPONDER AWARENESS	4	50
HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONS	7	136

APPENDIX J

DIRECT DELIVERY TRAINING COURSES AND STUDENT COMPLETIONS IN 2016

HAZARDOUS MATERIALS INCIDENT COMMAND	19	279
HAZARDOUS MATERIALS INCIDENT SAFETY OFFICER	5	59
HAZARDOUS MATERIALS REFRESHER TRAINING	1	8
HAZARDOUS MATERIALS TECHNICIAN BASIC REFRESHER	14	227
HAZARDOUS MATERIALS TECHNICIAN REFRESHER	1	18
HAZARDOUS MATERIALS TECHNICIAN REFRESHER 2016	1	23
HIGHWAY SAFETY FOR EMERGENCY RESPONDERS	2	48
HM FIRST RESP OPS ANNUAL REFRESHER	5	178
ICE/COLD WATER RESCUE-TECHNICIAN LEVEL	4	47
ICS-100.B: INTRODUCTION TO ICS	3	21
ICS-200.B: ICS FOR SINGLE RESOURCES AND INITIAL ACTION INCIDENTS	2	12
INCIDENT RESPONSE TO TERRORIST BOMBINGS	1	35
IN-SERVICE SAFETY TRAINING (OSHA REFRESHER)	2	237
INSPECTION SAFETY	1	33
INTERMEDIATE ICS, ICS FOR EXPANDING INCIDENTS I-300	1	7
INTRODUCTION TO OFPC COLLEGE INSPECTIONS	1	71
IS-700.A:NATIONAL INCIDENT MANAGEMENT SYSTEM, AN INTRODUCTION	3	21
LEADERSHIP ACCOUNTABILITY, CULTURE AND KNOWLEDGE	2	78
LEADERSHIP SO EVERYONE GOES HOME	2	32
LEGAL ISSUES FOR THE FIRE SERVICE INSTRUCTOR	3	9
LIVE FIRE CLASS B FOAM OPERATIONS	10	157
LIVE FIRE POLICY TRAINING	1	8
LIVE FIRE TRAINING (NFPA 1403, 2012 EDITION)	9	109
MED STRUCTRL COLLPSE OPS: VOID SRCH & RSC	1	13
MEDIUM STRUCT COLLAPSE OPS: EXT SHORING	1	14
MEDIUM STRUCT COLLAPSE OPS: INT SHORING	1	19
MEDIUM STRUCTURAL COLLAPSE CONCEPTS	3	57
MEDIUM STRUCTURAL COLLAPSE OPERATIONS: TOOLS	4	73
NYS INSTRUCTOR'S AUTHORIZATION TRAINING PROGRAM	2	235
NYS TRUSS IDENTIFICATION LAW	1	35
PASSENGER TRAIN EMERGENCY RESCUE PROCEDURES	1	15
PERSONAL PROTECTIVE EQUIPMENT FOR THE HAZ MAT OPERATIONS LEVEL	10	137
PRINCIPLES OF FIRE INVESTIGATION	8	146
PRINCIPLES OF INSTRUCTION	1	14
PUBLIC SAFETY WELLNESS, FITNESS AND REHAB AWARENESS	3	134
RECOGNIZING CLANDESTINE DRUG LAB OPERATIONS	5	147
REFRESHER TRAINING - 4 HOURS	1	9
RESCUE TECHNICIAN - BASIC	1	17
RESPONDING TO WELLSITE EMERGENCIES: INFORMATION FOR THE FIRST R	9	124
ROPE RESCUE-OPERATIONS LEVEL	10	80
SAMPLING DEVICES AND TECHNIQUES	1	6
SAMPLING TECHNIQUES FOR THE HAZARDOUS MATERIALS TECHNICIAN	2	12
SCBA/INTERIOR FIREFIGHTING OPERATIONS - FF1	1	8
SCHOOL BUS RESCUE	10	184
SCHOOL BUS RESCUE PRACTICAL SKILLS	11	184
STATE FINANCIAL SYSTEM OVERVIEW	15	66
SWIFT WATER RESCUE-OPERATIONS LEVEL	2	24
SWIFT-WATER RESCUE-TECHNICIAN LEVEL	1	1
SWIFTWATER/FLOOD RESCUE TECHNICIAN	6	57
TECH RESCUE STAFF REFRESHER TRAINING	2	47
THE CHALLENGE OF PESTICIDES AND POISONS	1	25
THE RULES HAVE CHANGED THE FIREFIGHTERS GUIDE TO LIGHTWEIGHT W	2	14
TRAFFIC INCIDENT MANAGEMENT SYSTEM	10	134
TRENCH RESCUE-AWARENESS LEVEL	2	32
TRENCH RESCUE-OPERATIONS LEVEL	1	63

APPENDIX J

DIRECT DELIVERY TRAINING COURSES AND STUDENT COMPLETIONS IN 2016

TRUCK COMPANY OPERATIONS	2	27
VEHICLE ARSON AWARENESS PROGRAM (VAAP)	2	175
WATER RESCUE-AWARENESS LEVEL	2	40
WELDING AND HOT WORKS FIRE SAFETY PROGRAM	1	41
	608	10,573

## APPENDIX K

## HAZARDOUS MATERIALS EMERGENCY RESPONSE TRAINING COURSES AND STUDENT COMPLETIONS IN 2016

<b>COURSE TITLE</b>	<b>COURSES CONDUCTED</b>	<b>STUDENT COMPLETIONS</b>
ADVANCED HAZARDOUS MATERIALS TECHNICIAN	1	29
ADVANCED SAMPLING TECHNIQUES FOR THE HAZARDOUS MATERIALS TECHNICIAN	1	6
AIR SAMPLING AND MONITORING FOR THE OPERATIONS LEVEL RESPONDER	10	162
BASIC FOAM OPERATIONS - IN-SERVICE	1	9
BASIC FOAM OPERATIONS - IN-SERVICE	1	20
BATH SALTS: THE LATEST THREAT TO RESPONDERS	5	43
BIOLOGICAL TERRORISM, AN OVERVIEW OF THE THREAT	1	25
CARGO TRUCK-HAZARDOUS MATERIALS SPECIALIST	1	20
CHEMICAL SUICIDES: INFORMATION FOR THE RESPONDER	15	235
CLASS B FOAM TRAILER OPERATIONS	19	617
DECONTAMINATION	21	532
DEFENSE AGAINST WEAPONS OF MASS DESTR AWARENESS	18	109
DOMESTIC PREPRDNS RESP TO RADIATION INCIDENTS	2	41
EMERG RESPONSE TO CHEMICAL WMD AGENTS	1	15
FIRST RECEIVER DECONTAMINATION	2	31
FLAMMABLE & COMBUSTIBLE LIQUID EMERGENCIES	5	106
FLAMMABLE & COMBUSTIBLE LIQUID EMERGENCIES	1	20
FLAMMABLE GAS EMERGENCY RESPONSE WORKSHOP	2	69
HAZ MAT STAFF REFRESHER TRAINING	1	37
HAZ MAT TECH MODULE 1: PRIMARY SKILLS FOR THE HAZARDOUS MATERIALS RES	12	112
HAZ MAT TECH MODULE 2: INTERPRETING THE HAZARDOUS ENVIRONMENT	6	83
HAZ MAT TECH MODULE 3: MANAGING THE HAZARDOUS MATERIALS INCIDENT	2	38
HAZ MAT TECH MODULE 4: ADVANCED SKILLS FOR THE HAZARDOUS MATERIALS RI	2	38
HAZ MAT TECH MODULE 5: SPECIALTY SKILLS FOR THE HAZARDOUS MATERIALS RE	2	40
HAZARDOUS MATERIALS FIRST RESPONDER AWARENESS	16	135
HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONS	103	1,353
HAZARDOUS MATERIALS INCIDENT COMMAND	20	304
HAZARDOUS MATERIALS INCIDENT SAFETY OFFICER	5	59
HAZARDOUS MATERIALS REFRESHER TRAINING	2	31
HAZARDOUS MATERIALS TECHNICIAN BASIC REFRESHER	14	227
HAZARDOUS MATERIALS TECHNICIAN REFRESHER	1	18
HAZARDOUS MATERIALS TECHNICIAN REFRESHER 2016	1	23
HAZARDOUS MATERIALS TRAINING PROGRAM	1	141
HM FIRST RESP OPS ANNUAL REFRESHER	126	2,526
INCIDENT RESPONSE TO TERRORIST BOMBINGS	1	35
LIVE FIRE CLASS B FOAM OPERATIONS	13	174
PERSONAL PROTECTIVE EQUIPMENT FOR THE HAZ MAT OPERATIONS LEVEL RESP	12	147
RAILROAD TANK CAR EMERGENCIES	1	19
RECOGNIZING CLANDESTINE DRUG LAB OPERATIONS	16	454
RESPONDING TO WELLSITE EMERGENCIES: INFORMATION FOR THE FIRST RESPON	9	124
SAMPLING DEVICES AND TECHNIQUES	1	6
SAMPLING TECHNIQUES FOR THE HAZARDOUS MATERIALS TECHNICIAN	2	12
THE CHALLENGE OF PESTICIDES AND POISONS	1	25
	476	8,221

## APPENDIX L

## REGIONAL TRAINING COURSES AND STUDENT COMPLETIONS IN 2016

COURSE TITLE	COURSES CONDUCTED	STUDENT COMPLETIONS
ACCIDENT VICTIM EXTRICATION TRAINING	1	28
AIRCRAFT RESCUE AND FIREFIGHTING	3	38
APPARATUS OPERATOR - EMERGENCY VEHICLE OPERATIONS	5	88
APPARATUS OPERATOR - PUMP	3	32
BASIC EXTERIOR FIREFIGHTING OPERATIONS	2	45
BASIC EXTERIOR FIREFIGHTING OPERATIONS, 2016 EDITION W/HMFRO	7	328
BASIC RESCUE BOAT OPERATOR	2	44
BASIC STRUCTURAL COLLAPSE OPERATIONS	8	169
BASIC WILDLAND FIRE SUPPRESSION	1	7
COMPANY OFFICER TRAINING WORKSHOP	3	145
CONCRETE BREACHING & BREAKING	1	21
CONFINED SPACE RESCUE - TECHNICIAN LEVEL	13	63
CONFINED SPACE: AWARENESS AND SAFETY	7	184
COURAGE TO BE SAFE; FIREFIGHTER LIFE SAFETY INITIATIVES	2	39
DEFENSE AGAINST WEAPONS OF MASS DESTR AWARENESS	1	23
ELECTRIC VEHICLE SAFETY FOR EMERGENCY RESPONDERS	2	50
ELEVATOR EMERGENCIES	1	28
ELEVATOR EMERGENCY RESCUE PROCEDURES	1	28
EMERGENCY BOAT OPERATIONS & RESCUE	1	14
FIRE INSPECTOR I	1	8
FIRE OFFICER I (NFPA 1021-2009 ED.)	2	30
FIRE OFFICER I (NFPA 1021-2014 EDITION)	1	10
FIRE POLICE	2	49
FIRE SAFETY INSPECTIONS AT CORRECTIONAL FACILITIES	1	30
FIRE SERVICE INSTRUCTOR I	2	58
FIRE SERVICE INSTRUCTOR II	3	50
FIRE SPRINKLER PLANS REVIEW	1	29
FIREFIGHTER 2	6	118
FIREFIGHTER ASSIST AND SEARCH TEAM (FAST)	2	28
FIREFIGHTER I	3	50
FIREFIGHTER II	2	46
FIREFIGHTER SURVIVAL	1	28
FIREFIGHTER SURVIVAL	2	4
FIRST LINE SUPERVISOR TO FIRE OFFICER I BRIDGE COURSE	1	4
FIRST RESPONDER ADMINISTRATION OF INTRANASAL NALOXONE TO REVERSE OPIOID OV	1	14
HAZARDOUS MATERIALS FIRST RESPONDER AWARENESS	2	45
HAZARDOUS MATERIALS FIRST RESPONDER OPERATIONS	2	45
HAZARDOUS MATERIALS REFRESHER TRAINING	1	23
HIGHWAY SAFETY FOR EMERGENCY RESPONDERS	3	38
HM FIRST RESP OPS ANNUAL REFRESHER	2	44
ICE/COLD WATER RESCUE-TECHNICIAN LEVEL	4	65
ICS-100.B: INTRODUCTION TO ICS	4	66
ICS-200.B: ICS FOR SINGLE RESOURCES AND INITIAL ACTION INCIDENTS	2	16
INCIDENT COMMAND SYS (NFA) (NOW ICS I-200 (1H))	2	8
INCIDENT SAFETY OFFICER (NFA)	5	82
INDUSTRIAL AND AGRICULTURAL MACHINERY RESCUE	1	25
IN-SERVICE TRAINING - AVET	1	18
IN-SERVICE TRAINING - WATER RESCUE	1	19
INTERMEDIATE ICS, ICS FOR EXPANDING INCIDENTS I-300	10	93
IS-700.A:NATIONAL INCIDENT MANAGEMENT SYSTEM, AN INTRODUCTION	5	73
LEGAL ISSUES FOR THE FIRE SERVICE INSTRUCTOR	2	53
LEGAL ISSUES FOR THE VOLUNTEER FIRE SERVICE	1	11
LIVE FIRE POLICY TRAINING	2	45
LIVE FIRE TRAINING (NFPA 1403, 2012 EDITION)	4	72
MED STRUCTRL COLLAPSE OPS: VOID SRCH & RSC	5	62
MEDIUM STRUCT COLLAPSE OPS: EXT SHORING	8	129
MEDIUM STRUCT COLLAPSE OPS: INT SHORING	8	110
MEDIUM STRUCTURAL COLLAPSE CONCEPTS	5	67

## APPENDIX L

## REGIONAL TRAINING COURSES AND STUDENT COMPLETIONS IN 2016

COURSE TITLE	COURSES CONDUCTED	STUDENT COMPLETIONS
MEDIUM STRUCTURAL COLLAPSE OPERATIONS: TOOLS	11	282
MRI AWARENESS	2	60
NYS FIRE SERVICES TRAINING CONFERENCE -LEADERSHIP SEMINAR	1	18
NYS FIRE SERVICES TRAINING WEEKEND	1	90
NYS INSTRUCTOR'S AUTHORIZATION TRAINING PROGRAM	1	115
ON-SCENE REHABILITATION FOR EMERGENCY OPERATIONS	2	29
PASSENGER TRAIN EMERGENCY - AWARENESS	4	55
PASSENGER TRAIN EMERGENCY RESCUE PROCEDURES	4	61
PREPARATION FOR INITIAL COMPANY OPERATIONS (PICO) (NFA)	1	14
PRINCIPLES OF BLDG CONST: COMBUSTIBLE (NFA)	6	549
PRINCIPLES OF BUILDING CONSTRUCTION: NONCOMBUSTIBLE (NFA)	6	579
PRINCIPLES OF INSTRUCTION	6	106
PUBLIC SAFETY WELLNESS, FITNESS AND REHAB AWARENESS	3	83
Q133 & H134: CALLING THE MAYDAY COURSES (NFA)	1	3
REFRESHER TRAINING - 12 HOURS	4	62
REFRESHER TRAINING - 6 HOURS	1	18
RESCUE HEAVY RIGGING OPERATIONS	1	28
RESCUE TECHNICIAN - BASIC	2	45
ROPE RESCUE-OPERATIONS LEVEL	7	88
ROPE RESCUE-TECHNICIAN LEVEL I	5	73
SCBA/INTERIOR FIREFIGHTING OPERATIONS - FF1	7	327
STRATEGY AND TACTICS FOR INITIAL COMPANY OPERATIONS (NFA)	4	84
SULLIVAN COUNTY WEEKEND	1	87
SWIFT WATER RESCUE-OPERATIONS LEVEL	2	23
SWIFTWATER/FLOOD RESCUE TECHNICIAN	4	37
TACTICAL FIREGROUND SIMULATIONS	3	74
TECHNICAL RESCUE CONFERENCE	1	197
THE RULES HAVE CHANGED THE FIREFIGHTERS GUIDE TO LIGHTWEIGHT WOOD CONSTRU	3	24
TRAFFIC INCIDENT MANAGEMENT SYSTEM	4	70
TRENCH RESCUE-AWARENESS LEVEL	6	180
TRENCH RESCUE-OPERATIONS LEVEL	5	155
TRENCH RESCUE-TECHNICIAN LEVEL	2	58
TRUCK COMPANY OPERATIONS	6	49
U/TSAR IN-SERVICE TRAINING - ROPE	1	18
W0376-INCIDENT COMMANY SYSTEM AND RESOURCE MANAGEMENT FOR THE FIRE SERVI	1	22
W0549-EMER RESP TO TERRSM:STRTGC AND TCTL CONSIDER FOR SUPERVISORS (NFA)	1	23
W0760-NEW FIRE CHIEF 1: CHALLENGING ISSUES	1	22
W0761-NEW FIRE CHIEF II: ADMINISTRATIVE ISSUES	1	29
W457-MANAGING COMPANY TACTICAL OPERATIONS: DECISION MAKING (NFA)	1	21
W521 EXECUTIVE SKILLS SERIES EXERCSG LEADERSHIP TO FACILITATE ADAPTIVE CHANG	1	19
W730 HEALTH AND SAFETY OFFICER (NFA)	1	27
W803 LEADERSHIP I - STRATEGIES FOR COMPANY SUCCESS (NFA)	1	28
WATER RESCUE-AWARENESS LEVEL	2	65

APPENDIX M

OUT OF STATE TRAINING

Program Name	Program Description	Location	Number of Attendees
Firehouse Expo	Professional Conference	Baltimore, MD	31
EMS Today			
Various Classes			
Various Classes	International Haz Mat Respon	Baltimore, MD	4
NYS Weekend	NYS Weekend	Emittsburgh, MD	180
FDIC	Professional Conference	Indianapolis, IN	84
Incident Response to Terrorist Bombings	Professional Conference	New Mexico	1
	Institution of Higher education	Anniston, AL	1
Symposium in the Sun	Professional Conference	Clearwater FL	4
Various	Professional Conference	Various	13
EMS Expo	Professional Conference	Nashville, TN	91
Recue Diver	Professional Conference	Bethlehem, PA	5
		Total	424