



# HMEP

## Hazardous Materials Emergency Preparedness Grant (HMEP)

Hazardous Materials  
Response Training





# Tomorrow's Responders





# HMEP Training History

- **Since the beginning of the Federal program over 2,266,000 responders and others have been trained nationally, in part so far with HMEP grant funds**
- **The training program here in Washington has seen over 40,000 responders trained with HMEP grant funding since the inception of the program**



# Training Classes

- Hazmat training classes provided to responders are usually training associated with the work to be done or assigned to the responder.
- **Awareness 8-hours**
  - Identification, Isolation, Notification
- **Operations 40-hours**
  - Defensive, Diking, Diverting, Damming, Identification
- **Technician 40-hours**
  - Offensive, Hands-on in Hot Zone to mitigate the situation. (Not Recovery or Clean-up Work)



# Training Classes

- **HM-On Scene Incident Command 24-hours**
  - Incident Command training with a Hazmat spin
- **HM Safety Officer 16-hours**
  - Incident Safety Officer with a Hazmat spin
- **HM-Chemistry 40-hours**
  - Complete understanding of how Hazmat and Chemistry go together
- **HM-IQ Above the Line/Below the Line 8-hours**



# Training Classes

- **HM-IQ Tox-Medic**
  - HM-IQ class specifically geared towards EMS personnel
- **Hazmat Training that is hazard specific include:**
  - Ammonia
  - Chlorine
  - Crude by Rail/Flammable Liquids
  - Pipeline emergencies
  - Air Monitoring



# Training Classes

- **Awareness/Operations Train-the-Trainer**
  - Training provided to agency personnel to provide curriculum and strategies to teach Hazmat Awareness/Operations to their agency personnel
  - Usually will involve Training Officers or instructors who are tasked with providing Hazmat training for their agency personnel.
  - Provides for a state certification process for the personnel being taught.



# Types of Training Delivery

- **Direct Delivery**
  - Provides for specific hazmat courses to be taught at locations throughout Washington. Usually contract instructors providing training to state responders meeting WAC 296-824-30005, OSHA 1910.120 and NFPA 472/1072 (new)







# Types of Training Delivery

- **Train-the Trainer**

- Instructors from specific agencies who have completed the WSP/SFMO's AWR/OPS Train-the-Trainer program using provided curriculum.
- Instructors are authorized by the WSP/SFMO and their Authority Having Jurisdiction (AHJ) to teach this specific curriculum to their personnel.
- State Certificates are issued to responder agencies based on meeting the training hours and curriculum established, being used by the agency
- This includes Fire, Law Enforcement, EMS, Public Utilities, State Military units and other state responder groups.

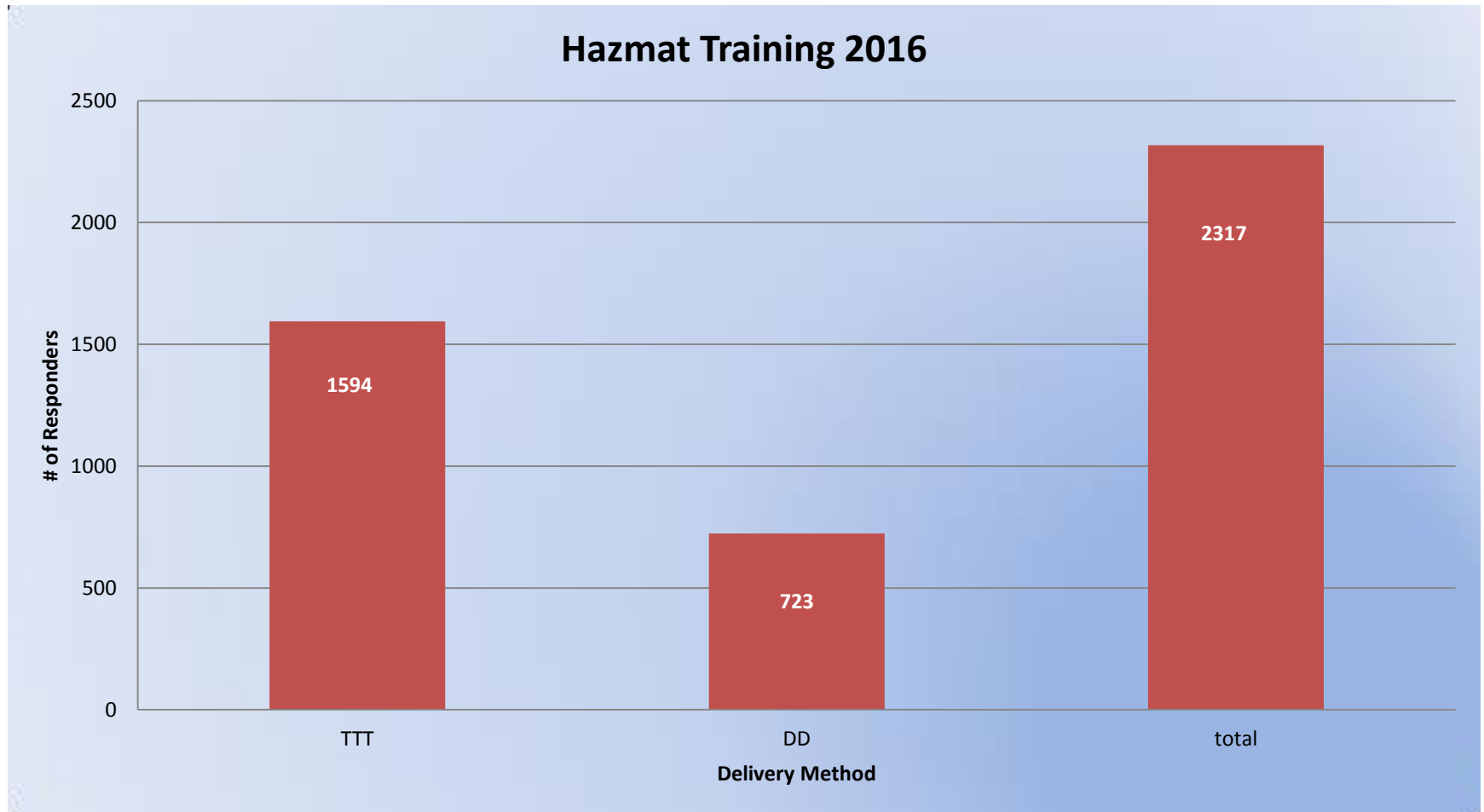


# 2016 Training Snapshot

- **Approximately 2,300 responders were trained using HMEP grant funds during 2016.**
- **This includes all of the levels mentioned prior and includes Direct Delivery and Training-the-Trainer formats.**
- **Over 24,000 training hours were conducted during 2016.**

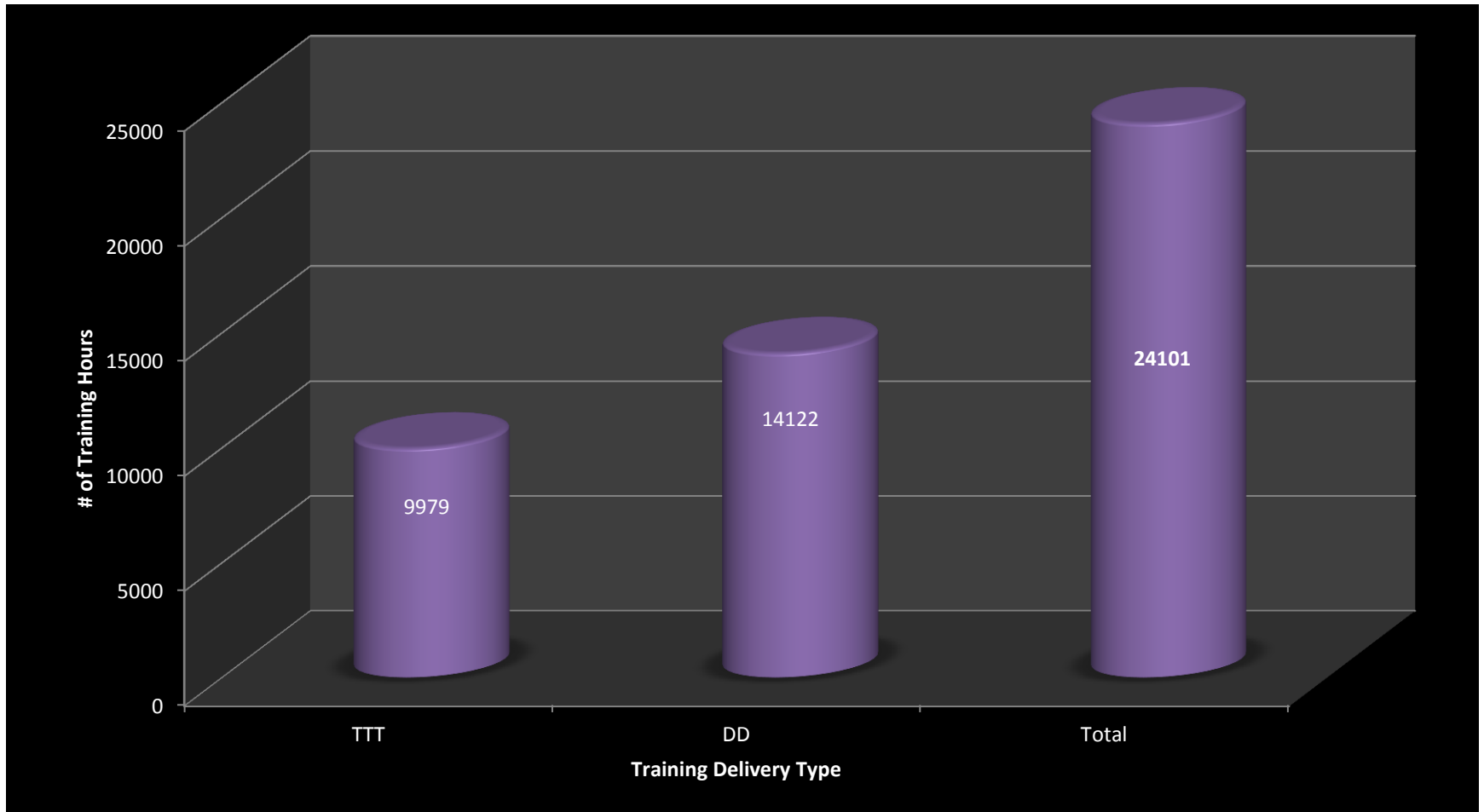


# Responders Trained





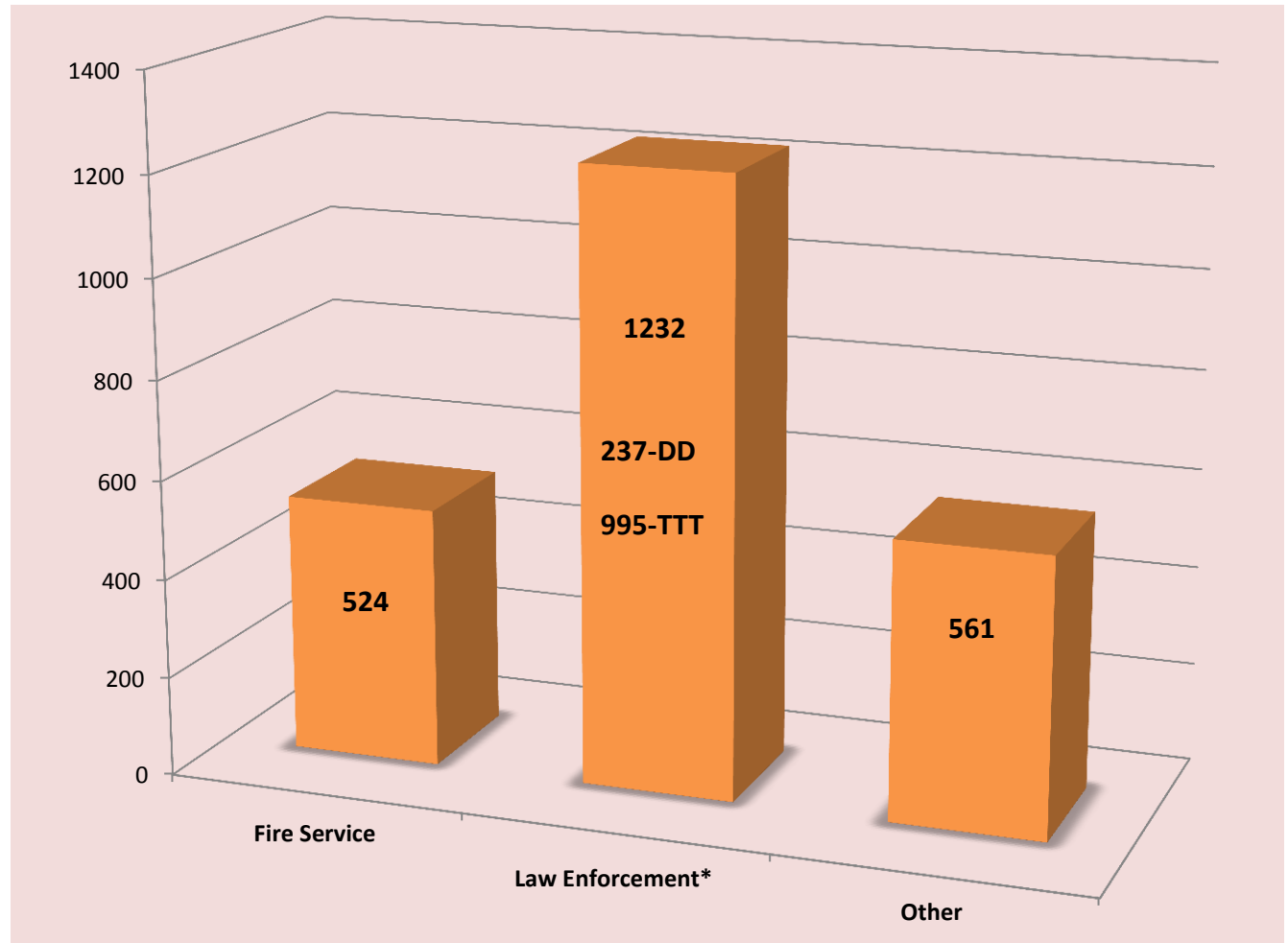
# Training Hours





# Training by Discipline

Training numbers  
FY2016





# Training Class Breakdown Direct Delivery

Training Class	Number of Classes
HM-Awareness	3
HM-Operations*	10
HM-On Scene Incident Command	7
HM-IQ Above the Line/Below the Line	6
HM-Safety Officer	4
HM-Technician	3
Chemistry	1
Emergency Response Guide Review ERG-2016	1

\*Awareness/Operations training taught has one class format



# Training Classes Available

- **Industrial Firefighting-Rail yards, fuel transfer facilities, and ports (not currently conducted)**
- **Confined Space (not currently conducted)**
- **Hazmat BLS/ALS**
- **Marine Operations-Ship board rescue, firefighting or hazmat (not currently conducted)**
- **Airport Rescue Fire Fighting (aircraft rescue and response) (not currently conducted)**
- **Explosive Ordinance Disposal/Explosives in transportation (not currently conducted)**



# Training Classes Available

- Radiological (sources in transportation, Not WMD)
- Specialty classes
  - Tank car
  - Intermodal Tank
  - Flammable Liquid Bulk Storage
  - Crude Oil
  - Ammonia, Ethanol, Chlorine
  - Decontamination, Mass, Technical
  - Haz-Cat Training







# Training Scheduling

- **Training is scheduled in several different formats.**
  - **Scheduling of Awareness, Operations and Technician classes held at the Fire Training Academy (FTA)\*. There are usually 2-3 Awareness/Operations classes and 1-2 Technician classes annually.**
  - **HM-On Scene Incident Command classes are usually scheduled at the WSP Training Academy, usually 3-4 annually**
  - **\*Not held has part of FTA Firefighting 1 training @ FTA**



# Training Scheduling

- Requests are submitted by agencies to host Hazmat training classes
- Agency “Point of Contact” (POC) will outline the need and schedule for the training based on the class required and the hours established for the training.
- Instructors are confirmed and scheduled for the training class
- Training requests are submitted to the Chain of Command for approval for the training.



# Training Scheduling

## Example:

- **HM Awareness/Operations 48-hours**
  - Conducted on 3 consecutive weekends with homework and reading in-between.
  - Monday Through Friday/Saturday 8-9 hours a day
  - Any combination established by the requestor to accomplish the required training hours



# Challenges

- **Meeting current OSHA and NFPA regulations and Standards.**
- **Time Constraints, both Career and Volunteer**
- **Changing regulations and/or standards**
  - **Competencies**
  - **Preparedness**
- **Changing need for specific hazard training**
  - **Flammable Liquids, Ethanol, Ammonia, Chlorine, Crude Oil etc.**



# Challenges

- **Need by Fire Service for expanded HM training**
  - Meeting State and Federal regulations and standards established by the AHJ
  - Need for advanced training for Leadership personnel
    - Ex. HM On Scene Incident Command and HM Safety Officer
  - HM Technician course to support IFSAC certification process-means more hours and robust written and hands-on components



# Challenges

- **Meeting the new NFPA 1072 requirements for Mission Specific tasks for Operations and Awareness personnel.**
- **Any reductions of funding will cause a possible reduction in the number of classes provided**
- **An increase of training costs to local agencies or the lack of training altogether.**



# Goals

- **Continue to conduct Hazmat training per our Statement of Work within the HMEP applications process based on available funding.**
- **Listen to the State Responders needs regarding Hazmat training to meet their goals.**
- **Continue to match up Hazmat training with response needs of the local jurisdiction and community.**



# Questions

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