

**Critical Task Capabilities
West Barnstable Fire Department
September 12, 2013**

For any given emergency that the West Barnstable Fire Department responds, there are critical tasks that must be completed. These tasks can range from the immediate rescue of trapped occupants with a burning structure to providing life saving emergency medical care to patients in need. A set of critical tasks have been developed to identify what minimum staffing resources are needed for each incident type.

Critical tasking has been identified for the following incident types:

1. Structure Fire: Low/Moderate Risk
2. Emergency Medical Incident
3. Motor Vehicle Crash with injuries
4. Hazardous Materials: Minor Incident
5. Wildland Fire

**Structure Fire: Low/Moderate Risk
Non-Hydrant Zone**

**Initial Assembly: Assumes Tank Water Attack
Assembly in 14 minutes or less**

CRITICAL TASK	NEEDED PERSONNEL
Incident Command	1
Pump Operator	1
Attack Hose Line/Search Team	2
Initial RIT Team	2
Total Firefighters	6

**First Alarm: Assumes Nurse Tanker Operation
Assembly in 24 minutes or less**

CRITICAL TASK	PERSONNEL NEEDED
Command	1
Safety/Accountability	1
Pump Operators/Water Supply	2
Attack Hose Line	3
Initial RIT Team	2
Aerial Operator	1
Ventilation/Search Team	2
Total Firefighters	12

Working Fire:**Assumes Nurse Tanker Operation**

CRITICAL TASK	PERSONNEL NEEDED
Incident Command	1
Chief's Aide/Communications	1
Safety	1
Accountability	1
RIT Team	4
Attack Hose Line Team	3
Pump Operators/Water Supply	3
Ventilation Team	2
Search/Second Hose Team	3
Total Firefighters	19

Second Alarm Fire:**Assumes Water Shuttle Operations – 500 to 750 gpm
Assumes Exterior Firefighting**

CRITICAL TASK	PERSONNEL NEEDED
Incident Command	1
Chief's Aide/Communications	1
Safety	1
Accountability	1
Water Supply Manager	1
RIT Team	4
Fire Attack Hose Line Team	3
Second Fire Attack Hose Line Team	3
Third Fire Attack Hose Line Team	3
Water Dump Site Manager	1
Water Tanker Fill Sites	6
EMS/Rehab	3
Pump Operators/Aerial Operator	4
Water Tanker Crews	14
Total Firefighters	46

**Structure Fire: Low/Moderate Risk
Hydrant Zones**

**Initial Assembly: Assumes Tank Water Attack
Assembly in 14 minutes or less**

CRITICAL TASK	NEEDED PERSONNEL
Incident Command	1
Pump Operator	1
Attack Hose Line/Search Team	2
Initial RIT Team	2
Total Firefighters	6

**First Alarm: Assumes a Single Hydrant Operation
Assembly in 24 minutes or less**

CRITICAL TASK	PERSONNEL NEEDED
Command	1
Safety/Accountability	1
Pump Operators/Water Supply	2
Attack Hose Line	3
Initial RIT Team	2
Aerial Operator	1
Ventilation/Search Team	2
Total Firefighters	12

Working Fire: Assumes Two Hydrant Operation

CRITICAL TASK	PERSONNEL NEEDED
Incident Command	1
Chief's Aide/Communications	1
Safety	1
Accountability	1
RIT Team	4
Attack Hose Line Team	3
Pump Operators/Water Supply	3
Ventilation Team	2
Search/Second Hose Team	3
Total Firefighters	19

Second Alarm Fire: Assumes Three Hydrant Operation

CRITICAL TASK	PERSONNEL NEEDED
Incident Command	1
Chief's Aide/Communications	1
Safety	1
Accountability	1
Water Supply Manager	1
RIT Team	4
Fire Attack Hose Line Team	3
Second Fire Attack Hose Line Team	3
Third Fire Attack Hose Line Team	3
Ventilation Team	3
Pump Operators/Aerial Operator	5
EMS/Rehab	3
Total Firefighters	29

Emergency Medical Incident

CRITICAL TASK	PERSONNEL NEEDED
Incident Management	1
Ambulance Driver/Lifting/Support	1
Patient Care/Paramedic	1
Patient Care/EMT	1
Total Firefighters	4

Motor Vehicle Crash with Injuries:

Assumes One Patient

Assumes No Fire

Assumes No Extrication

CRITICAL TASK	PERSONNEL NEEDED
Incident Command/Safety	1
Ambulance Driver	1
Patient Care/Paramedic	1
Patient Care/EMT	1
Hazmat/Hazard Mitigation Team	2
Total Firefighters	6

**Motor Vehicle Crash with Injuries:
Assumes One Patient
Assumes Fire or Extrication**

CRITICAL TASK	PERSONNEL NEEDED
Incident Command/Safety	1
Ambulance Driver	1
Patient Care/Paramedic	1
Patient Care/EMT	1
Hazmat/Hazard Mitigation Team	2
Fire Suppression/Extrication Team	4
Total Firefighters	10

**Hazardous Material Incident: Minor Spill
Assumes No IDLH Atmosphere**

CRITICAL TASK	PERSONNEL NEEDED
Incident Command/Safety	1
Damming & Diking	3
Fire Prevention/Standby Hose	2
Total Firefighters	6

**Hazardous Materials Incident: Minor Leak
Assumes limited or no entry into IDLH Atmosphere**

CRITICAL TASK	PERSONNEL NEEDED
Incident Command/Safety	1
Metering/Monitoring	2
Hose Line (Initial RIT if Needed)	2
Pump Operator/Water Supply	1
Total Firefighters	6

**Hazardous Materials Incident
Carbon Monoxide in a Residence**

CRITICAL TASK	PERSONNEL NEEDED
Incident Command	1
Metering/Monitoring	2
Ventilation	2
Patient Assessment/Care	2
Total Firefighters	6

Wildland Fire

First Alarm

CRITICAL TASK	PERSONNEL NEEDED
Incident Command	1
Fire Attack Hose Line Team	2
Hand Tool Team	2
Pump Operator	1
Total Firefighters	6