CAMBRIA CSD
FIRE
CAMBRIA • COMMUNITY • SERVICES • DISTRICT
•1976•

Safe Firefighter Staffing Level Cambria CSD Fire Department

DISCUSSION

- 4 - person vs. 3 - person engine company constant staffing model

1 Captain	1 Captain
1 Engineer	1 Engineer
2 Firefighters	1 Firefighter

STAFF RECOMMENDATION

- 4 - person engine company provides a higher, more efficient level of emergency service:
  - Firefighter and community safety
  - San Luis Obispo County Grand Jury recommendation
  - Special project work

FISCAL IMPACT

- Discussed under agenda item 7.E

DEPARTMENT STAFFING HISTORY

- Formed in 1877 Hope Fire Company
- 1st career Firefighter in November 1983
- 1st career Chief in January of 1985
- 3 career Captains in July 1999
- 3 career Engineers in January 2005
- 3 SAFER Firefighters March 2016

DEPARTMENT STAFFING HISTORY

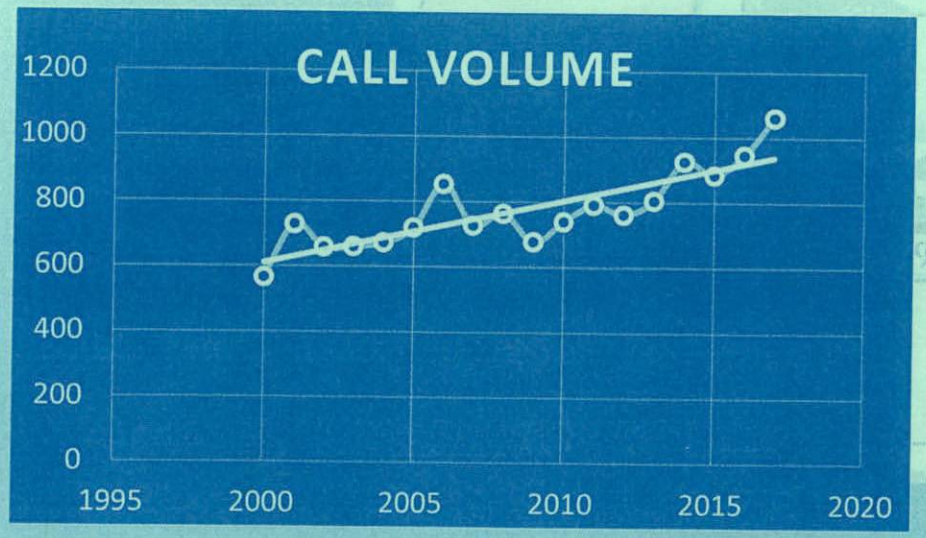
- Decline in volunteerism/paid call / reserves
  - 2000 – **17** in town reserves
  - 2017 – **2** in town reserves

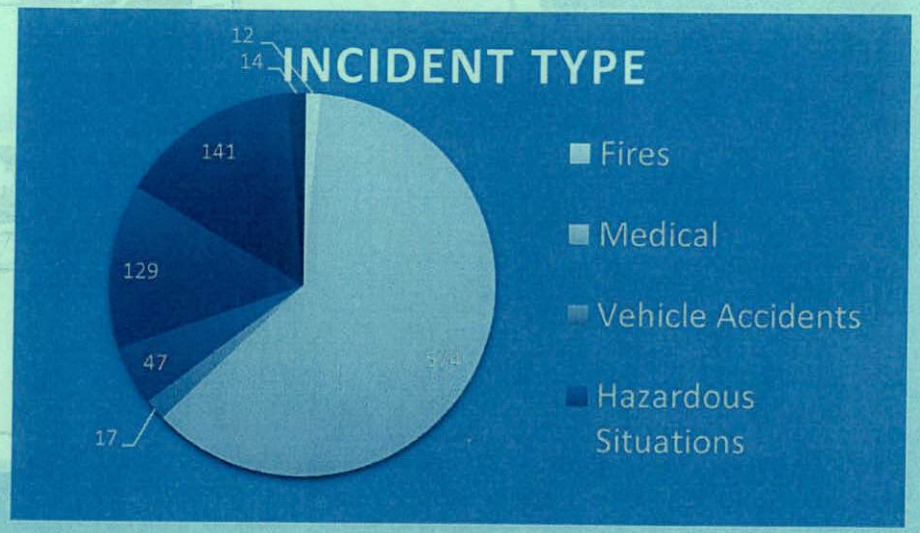
EVOLVING SAFETY & TRAINING REQUIREMENTS

- 2000
  - Volunteer Firefighter Academy/First Aid/CPR/FRA
  - Total training hours: **92** (48/24/16/4)
  - Local training possible
- 2017
  - SFM Firefighter 1/EMT/CPR/FRO
  - Total training hours: **752** (600/120/16/16)
  - Mostly formal training

DEPARTMENT CALL VOLUME

- Increase of 87% since 2000





SAFETY STANDARD - STRUCTURAL FIREFIGHTING

- "Two In / Two Out"
  - OSHA – 29 CFR 1910.134
  - NFPA 1710 – Standard for the organization and deployment of Fire Suppression Operations
  - NFPA 1500 – Standard on Fire Department Occupational Safety and Health Program
  - NFPA 1420 – Standard on Training for Emergency Scene Operations

SAFETY STANDARD STRUCTURAL FIREFIGHTING

- Typical Residential Structure Fire Response
  - Hoselines
  - Search and Rescue
  - Ventilation
  - Support Functions
  - Command
  - Minimum Total Personnel Required = **15**

FACTORS AFFECTING STAFFING NEEDS

- Decline of volunteerism
- Increased call volume
- Increased safety and training mandates
- "Two In/Two Out" mandate

FACTORS AFFECTING STAFFING NEEDS (cont.)

- Automatic and Mutual Aid response
- Inconsistency of Station 10 staffing
- Third person medical attendant
- Grand Jury recommendation

STAFFING STUDIES & ANALYSIS

- FEMA Study
- Columbus, OH FD Study
- Seattle, WA FD Study
- Dallas, TX FD Study
- U.S. Fire Academy Risk Analysis
- Clark County, NV FD Study
- Ontario, Canada Fire Marshal Study
- Metropolitan Fire Chiefs and Minimum Staffing Report
- Johns Hopkins University Study

SUPPORTING AGENCIES & AFFILIATIONS

- NFPA (National Fire Protection Association)
- NIOSH (National Institute for Occupational Safety & Health)
- FEMA (Federal Emergency Management Agency)
- IAFF (International Association of Fire Fighters)
- IAFC (International Association of Fire Chiefs)
- OSHA (Occupational Safety & Health Administration)
- ISO (Insurance Services Office)
- CAL OES (California Officer of Emergency Services)
- ICMA (International City Management Association)

RETURN TO 3 – PERSON ENGINE COMPANY

- Advantage
  - Cost savings for reducing the level of available emergency services

RETURN TO 3 – PERSON ENGINE COMPANY

- Disadvantages
  - Increase life and safety risk to firefighters and public
  - Inability to meet OSHA mandate
  - Higher levels of risk liability
  - Greater potential for injury and loss of life
  - Change in fundamental firefighting tactics
  - Loss of available reserve personnel

RETURN TO 3 – PERSON ENGINE COMPANY (cont.)

- Disadvantages
  - Potential change to ISO classification
  - Decreased ability to provide Automatic/Mutual Aid
  - Decrease ability to recover associated costs
  - Decreased ability to provide third attendant
  - Contrary to SLO Grand Jury recommendation
  - Decreased ability to continue with special projects

CONCLUSION

- Department recommends 4 – person engine company
- The CCSD Board of Directors and public have the right to determine the level of service
- Safety will not be compromised due to level of staffing
- Expectation to meet the needs for emergency response as we move forward

CAMBRIA CSD
FIRE
CAMBRIA • COMMUNITY • SERVICES • DISTRICT
...1976...