

City of Burlington Fire Department Citizen Budget Partners

August 21st, 2019



WISCONSIN
CITY OF BURLINGTON

Welcome

- Emergency fire and medical response, the readiness of our public safety responders, and fiscal responsibility is of utmost importance to the City of Burlington Fire Department (CBFD).



Overview of Today's Meeting

- Community Service Needs
- City of Burlington Fire Dept.
 - Services
 - Staffing & Operations
 - Budget



City of Burlington Strategic Plan

Mission Statement

The mission of the City of Burlington is to build and enhance our community by safely, respectfully, proudly and effectively executing our daily work activities. As an organization we are committed to continuous improvement.



City of Burlington Strategic Plan

Vision Statement

The vision of the City of Burlington is to be a location of choice and a great place to call home. We achieve our vision by offering a welcoming, safe environment and a strong sense of community. Our diverse business sector and multi-generational population provides a sound foundation for our future.

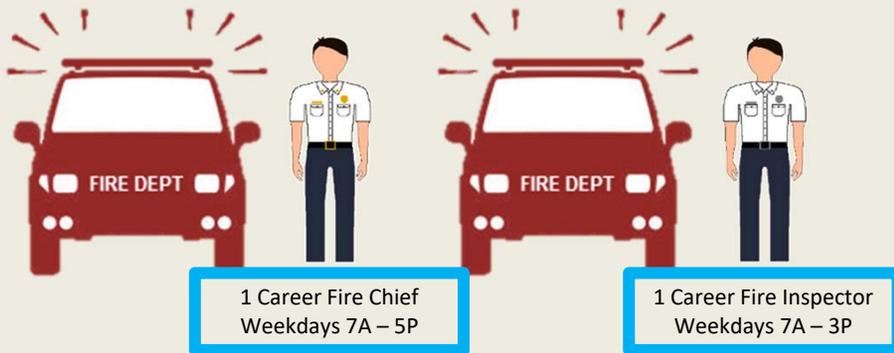
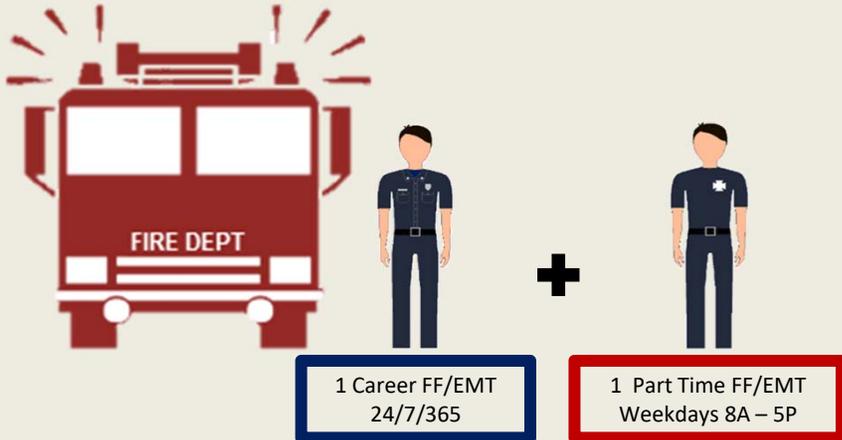


CBFD Overview

- Combination Department with 57 Members and 3 interns
- Provides Fire Suppression, EMS and Fire Prevention
- One Central Station
 - 3 Engines
 - 2 Ladder Trucks
 - 1 Command Car
 - 1 Utility Pick-Up Truck
 - 1 Special Utility Squad



Minimum Staffing 2017

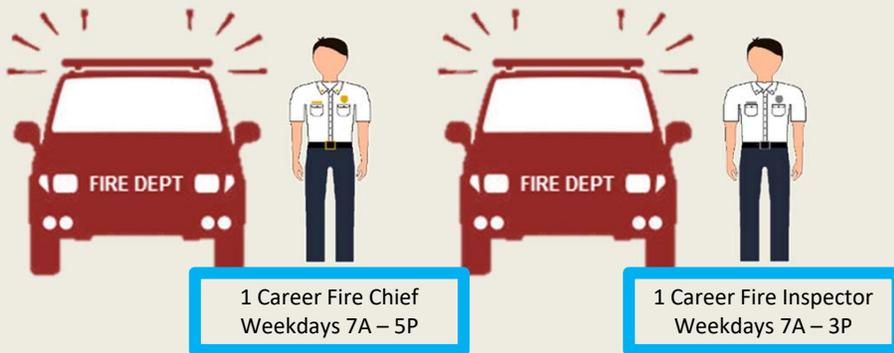
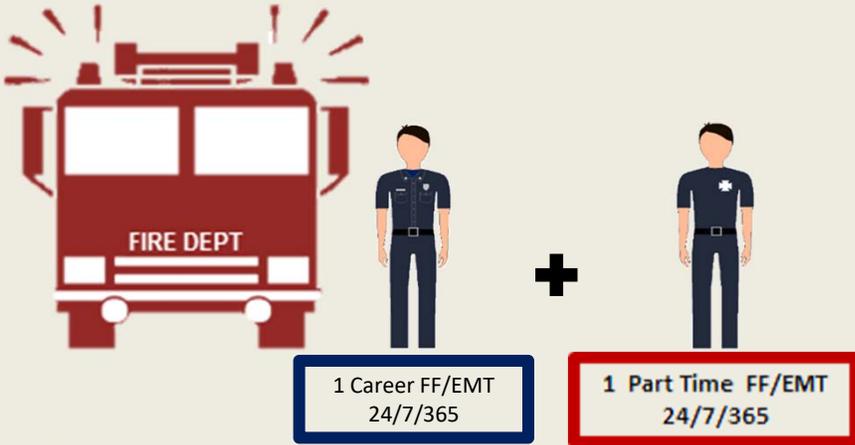


2017 Minimum Staffing by Day and Time

Time	Sun.	Mon.	Tue.	Wed.	Thur.	Fri.	Sat.
00:00	1	1	1	1	1	1	1
01:00	1	1	1	1	1	1	1
02:00	1	1	1	1	1	1	1
03:00	1	1	1	1	1	1	1
04:00	1	1	1	1	1	1	1
05:00	1	1	1	1	1	1	1
06:00	1	1	1	1	1	1	1
07:00	1	4	4	4	4	4	1
08:00	1	4	4	4	4	4	1
09:00	1	4	4	4	4	4	1
10:00	1	4	4	4	4	4	1
11:00	1	4	4	4	4	4	1
12:00	1	4	4	4	4	4	1
13:00	1	4	4	4	4	4	1
14:00	1	4	4	4	4	4	1
15:00	1	3	3	3	3	3	1
16:00	1	3	3	3	3	3	1
17:00	1	2	2	2	2	2	1
18:00	1	1	1	1	1	1	1
19:00	1	1	1	1	1	1	1
20:00	1	1	1	1	1	1	1
21:00	1	1	1	1	1	1	1
22:00	1	1	1	1	1	1	1
23:00	1	1	1	1	1	1	1



Minimum Staffing 2019



2019 Minimum Staffing by Day and Time

Time	Sun.	Mon.	Tue.	Wed.	Thur.	Fri.	Sat.
00:00	2	2	2	2	2	2	2
01:00	2	2	2	2	2	2	2
02:00	2	2	2	2	2	2	2
03:00	2	2	2	2	2	2	2
04:00	2	2	2	2	2	2	2
05:00	2	2	2	2	2	2	2
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16:00	2	3	3	3	3	3	2
17:00	2	2	2	2	2	2	2
18:00	2	2	2	2	2	2	2
19:00	2	2	2	2	2	2	2
20:00	1	1	1	1	1	1	1
21:00	1	1	1	1	1	1	1
22:00	1	1	1	1	1	1	1
23:00	1	1	1	1	1	1	1



Increased Staffing = Faster Response Time

Response time is measured from time of dispatch to first unit on-scene.

5 Minutes

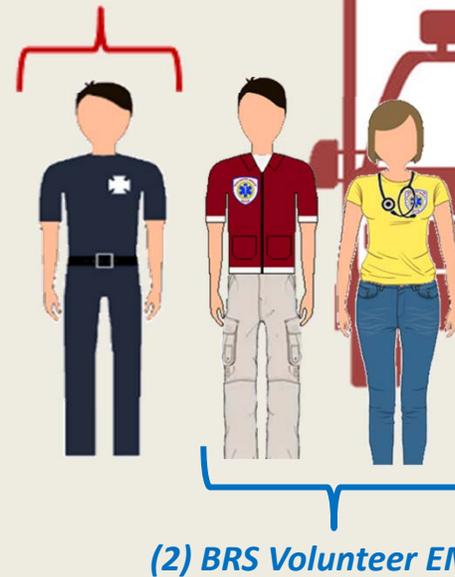
Average Fire Department Response*



12 Minutes

Average Ambulance Response**

(1) CBFDF FF/EMT
M-F 8A-5P



CBFD Staffing Obstacles

- Future Needs of the Community
- Incident Volume Increase
- Career Staffing Levels
- Volunteer Staff Availability
- Part-Time Staff Availability
- Operational Safety Concerns



Future Needs of the Community

The City of Burlington Strategic Plan

- Community Design
- Communication and Civic Involvement
- Economic Development
- Infrastructure
- Fiscal Sustainability
- Responsive and Accountable Cost-Effective Government
- Community Safety



Future Needs of the Community

Future Growth In And Around Burlington?

- The Fire Prevention Bureau has seen an increase in plan reviews and code reviews for commercial properties in the city.
- What impact will Foxconn have on the city?



Future Needs of the Community

FOXCONN Development:



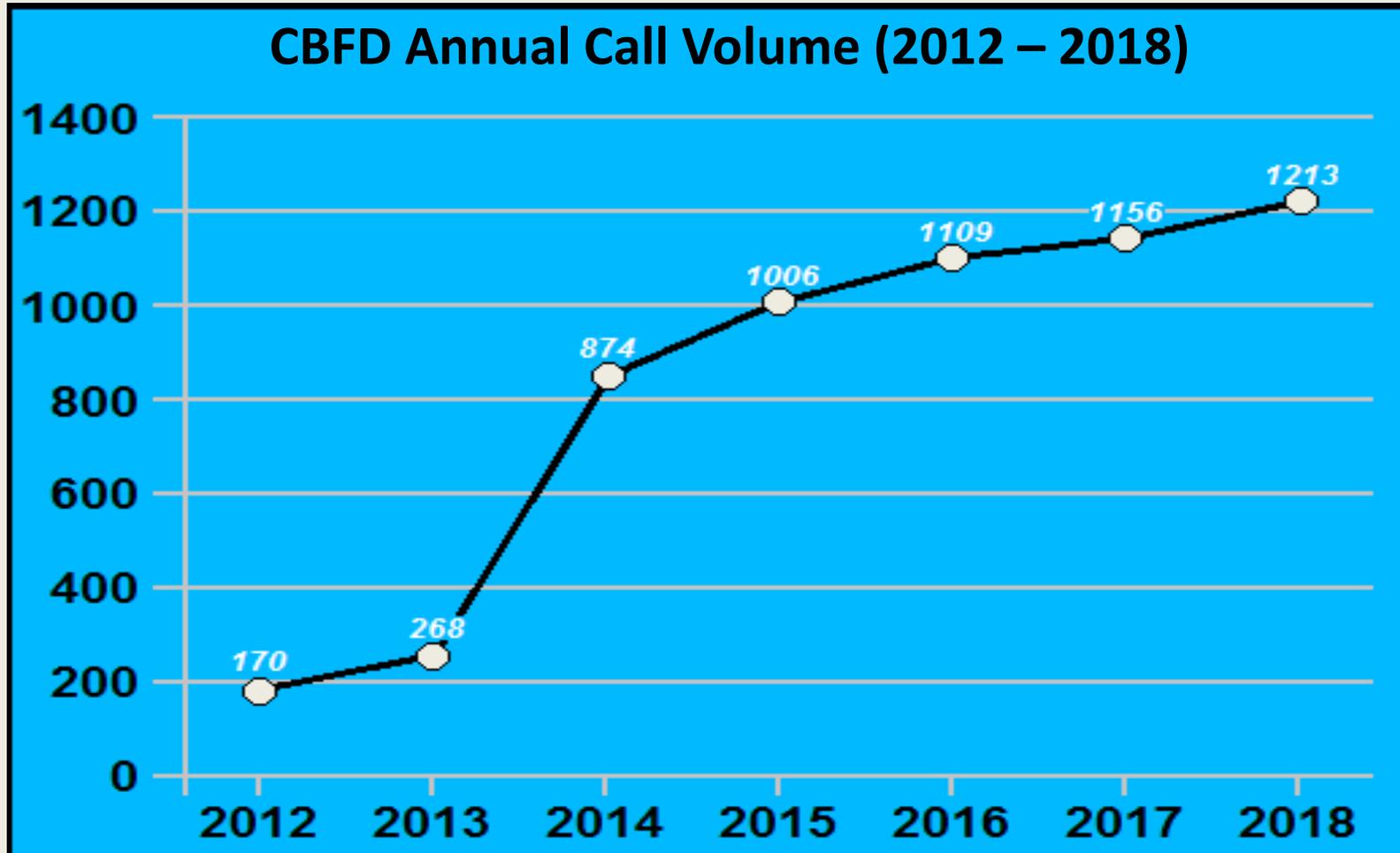
THE 'RIPPLE EFFECT'

10 = 16

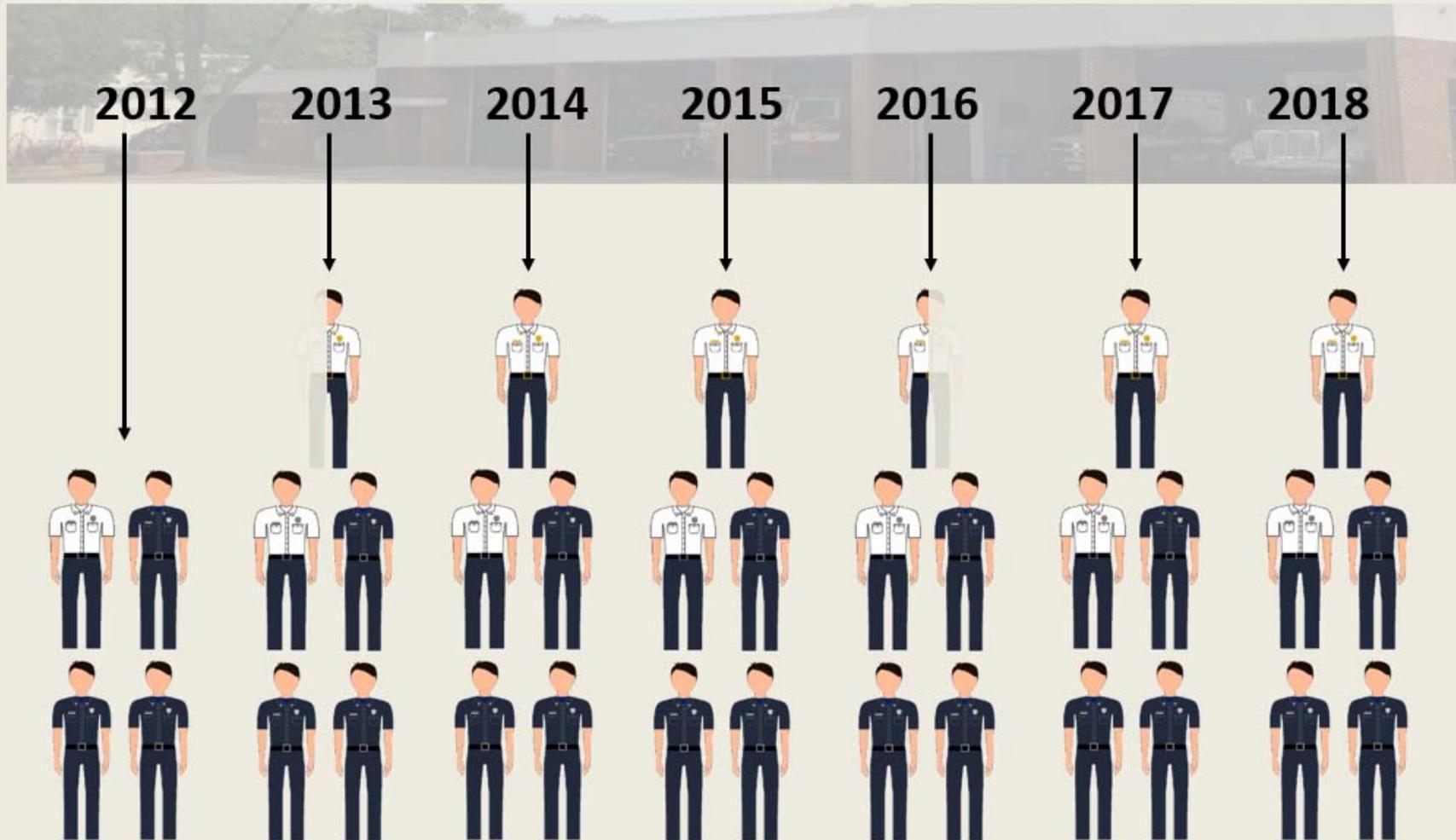
For every 10 jobs created through direct employment, 6 additional jobs will be created elsewhere in Racine County.



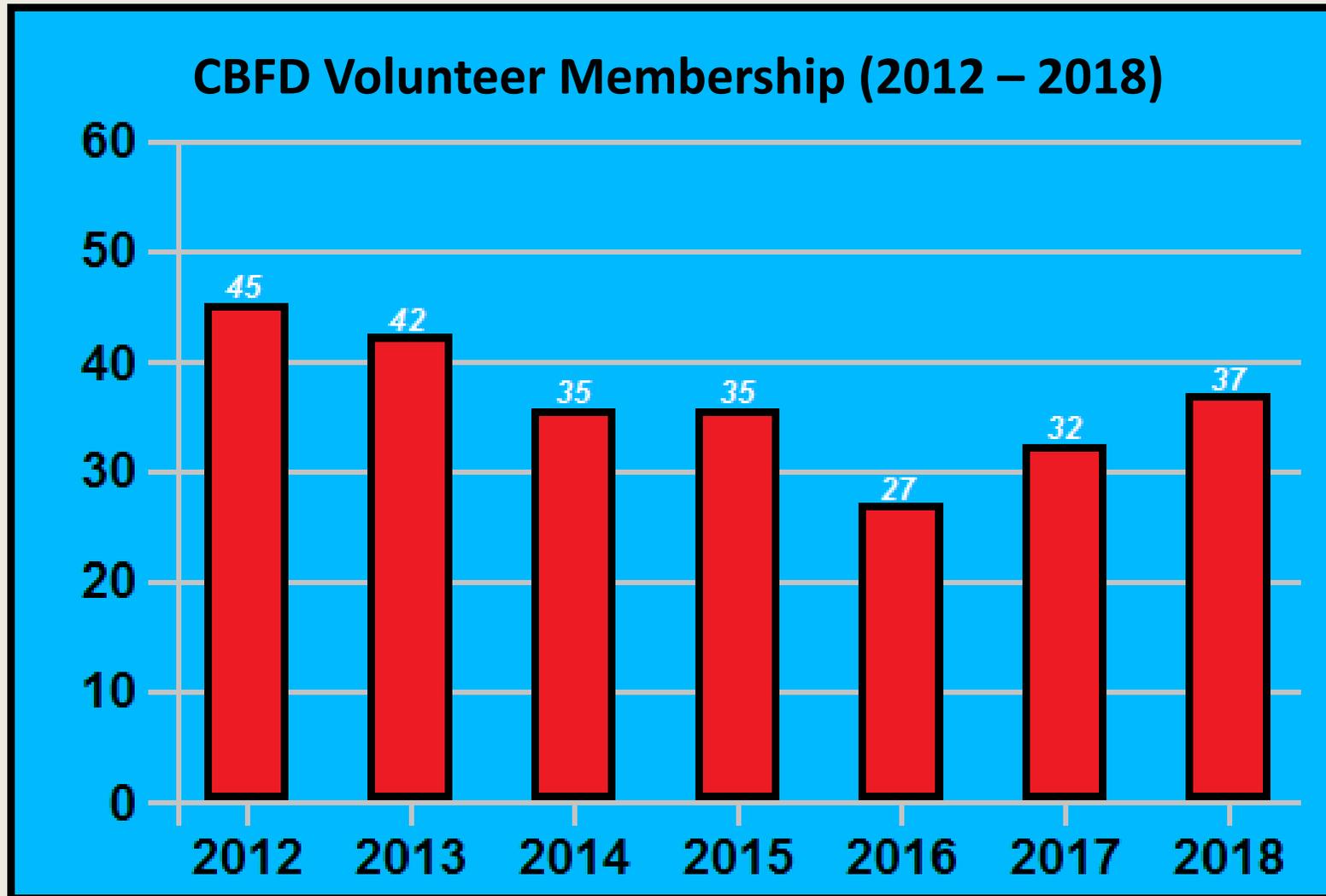
Incident Volume Increase



CBFD Career Staffing Levels



CBFD Volunteer Staffing Levels

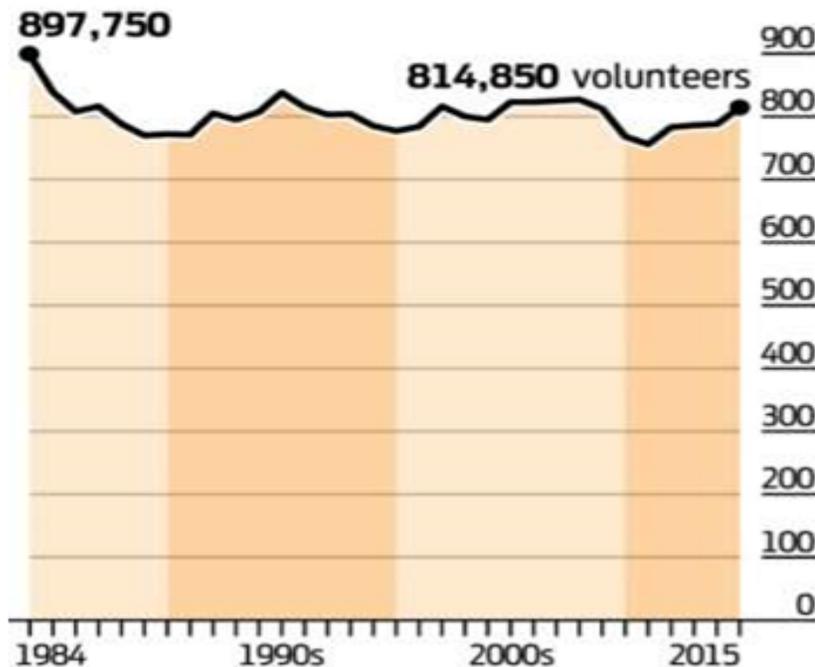


CBFD Volunteer Staff Availability

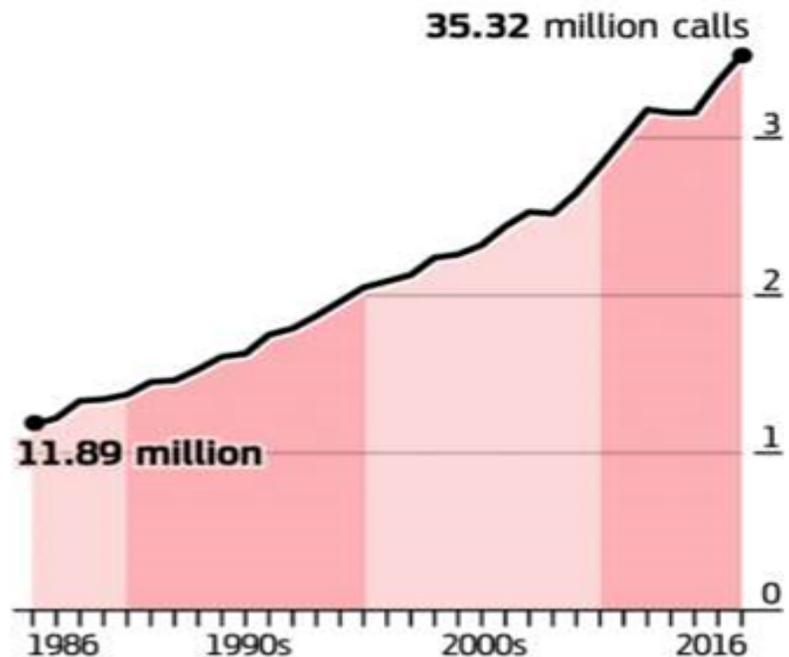
Growing burden

Nationwide, the number of volunteer firefighters has fallen by 10 percent over the past three decades, while the number of emergency calls for them has tripled.

Volunteer firefighters



Calls to fire departments



Source: National Volunteer Fire Council



Volunteer Retention and Recruitment Challenges

Challenges & Root Causes

- **Time Demands**
 - Two-income family and working multiple jobs
 - Increased training time demands
 - Higher emergency call volume
 - Additional demands within department (fundraising, administrative)
- **Training Requirements**
 - Higher training standards and requirements
 - Additional training demands to provide broader range of services
 - Recertification demands



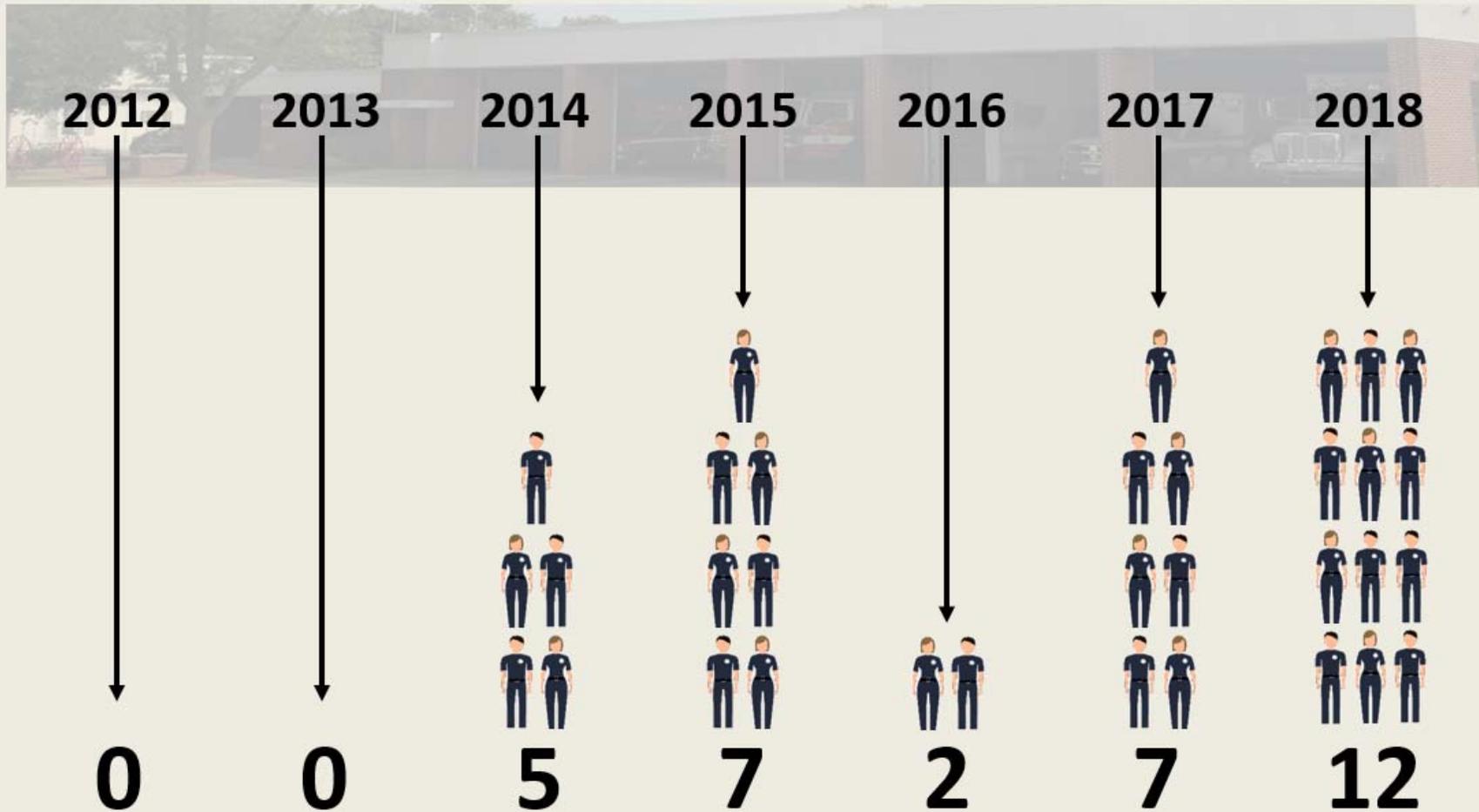
Volunteer Retention and Recruitment Challenges

Challenges & Root Causes

- **Increasing Call Volume**
 - Wider FD service roles (EMS, Hazmat, technical rescue)
 - Increasing emergency medical call volume
 - Increase in number of automatic fire alarms
- **Changes In Sociological Conditions**
 - Less of an interest or time for volunteering
 - Two-income family and time demands
 - Employers less willing to let employees off to run calls



CBFD Part-Time Staffing Levels



CBFD Part-Time Staffing Benefits & Challenges

Benefits

- Quicker Response
- Additional Manpower
- Workload Distribution
 - Fire Inspections
 - Public Education
 - PR Events
 - Mission Readiness
 - Station Maintenance

Challenges

- Small Pool of Part-Time Employees
- Retention problems (career stepping stone)
- Scheduling conflicts
- Dependability low



Operational Safety Concerns

Cost of Adequate Training & Gear



COST TO OUTFIT A FIREFIGHTER



Operating Budget Items

A. Helmet	\$300.00
B. Helmet Front	\$50.00
C. Flashlight	\$100.00
D. Hood (x2)	\$190.00
E. Mask	\$100.00
F. Turnout Coat	\$1,125.00
G. Gloves	\$80.00
H. Extrication Gloves	\$35.00
I. Turnout Pants	\$875.00
J. Boots	\$435.00
K. Pager	\$550.00
TOTAL:	\$3,840.00

Capital Budget Items

L. Radio	\$3,000.00
M. Air Pack	\$6,500.00
N. Escape System	\$350.00
TOTAL:	\$9,850.00

8mm Escape Rope (50')

"Gut Belt" Xtreme Escape Belt

Sterling F4 Descent Control Device (DRD)

CMC Flashlite Escape Hook

Motorola APX Portable Radio

MSA Air Pack

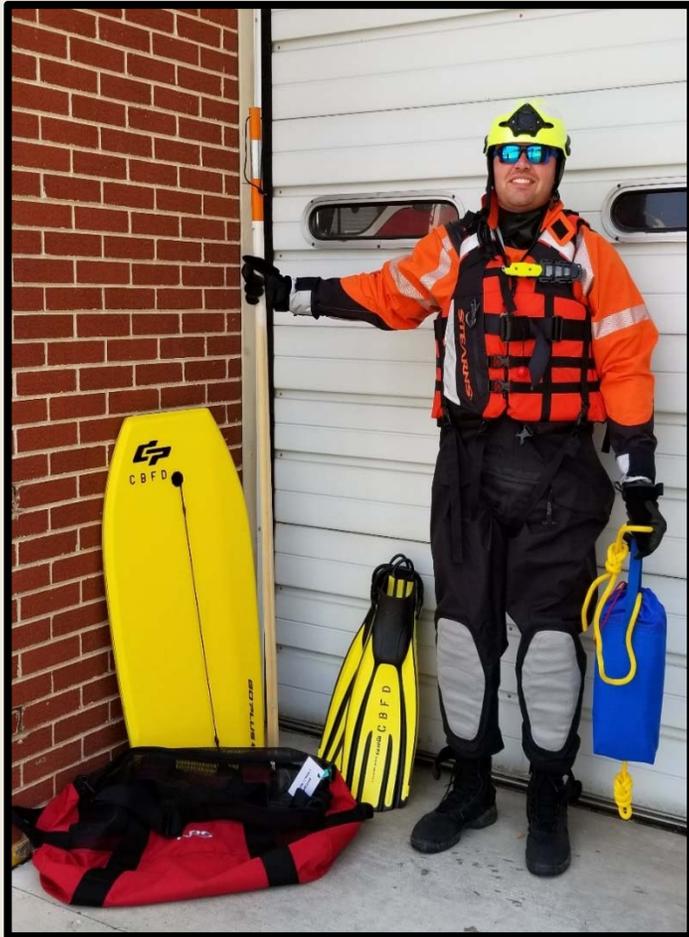
TOTAL COST:

\$13,690.00



Operational Safety Concerns

Cost of Adequate Training & Gear



Swift Water Rescue

Rapid Rescue Dry Suit- \$635.00

Water Boots- \$80.00

Water Rescue Helmet- \$64.00

Tactical Gloves- \$50.00

Throw Bag- \$72.00

Fins- \$137.00

Rescue Body Board- \$37.00

Rescue Probe- \$6.50

Knife- \$30.00

Whistle- \$7.25

Gear Bag- \$50.00

Swift Water Personal Flotation Device- \$190.00

Total= \$1359.75



Operational Safety Concerns

Cost of Adequate Training & Gear



**“When Lives Depend
on Highly Trained
Professionals”**



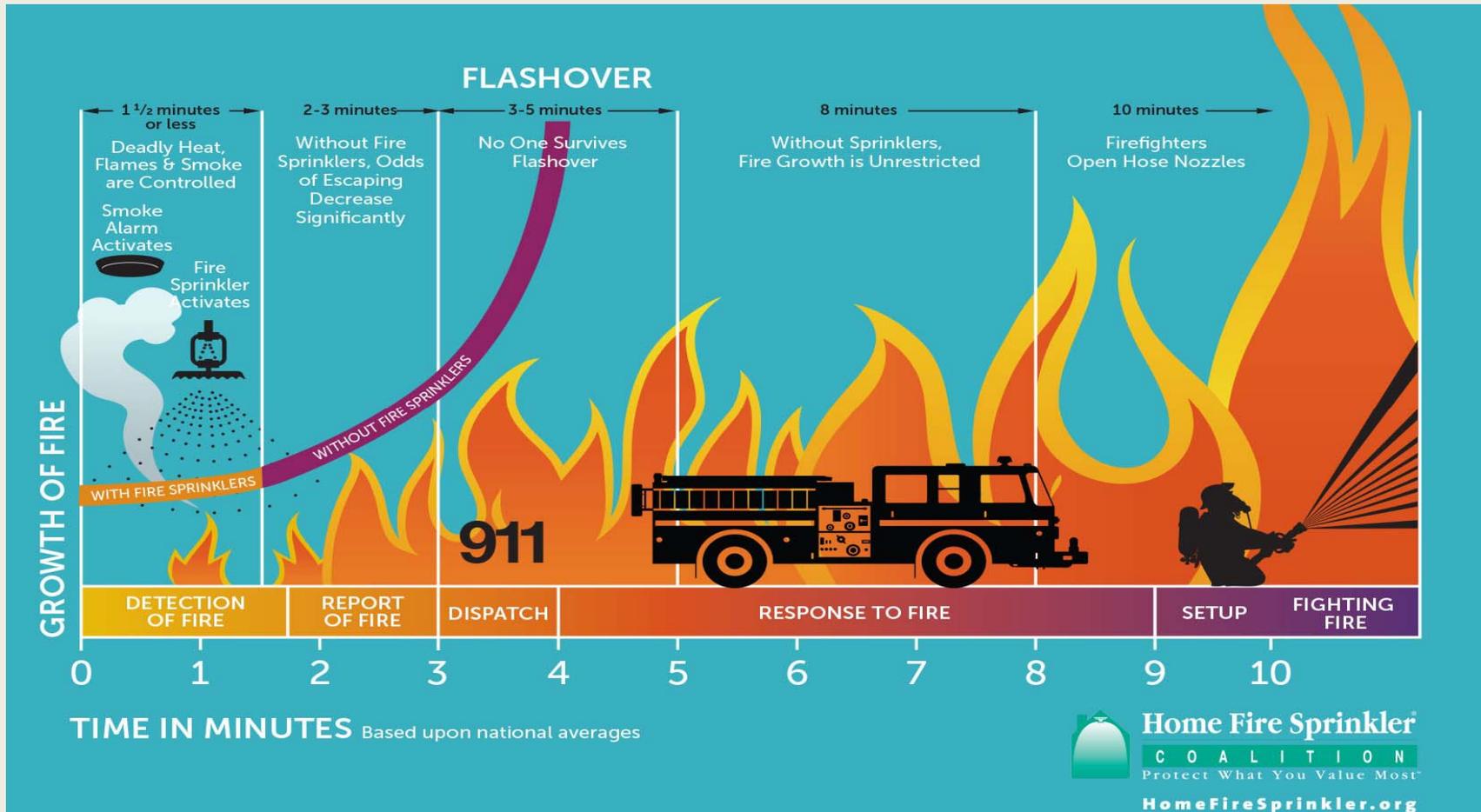
Operational Safety Concerns

Structure Fires Have Drastically Changed



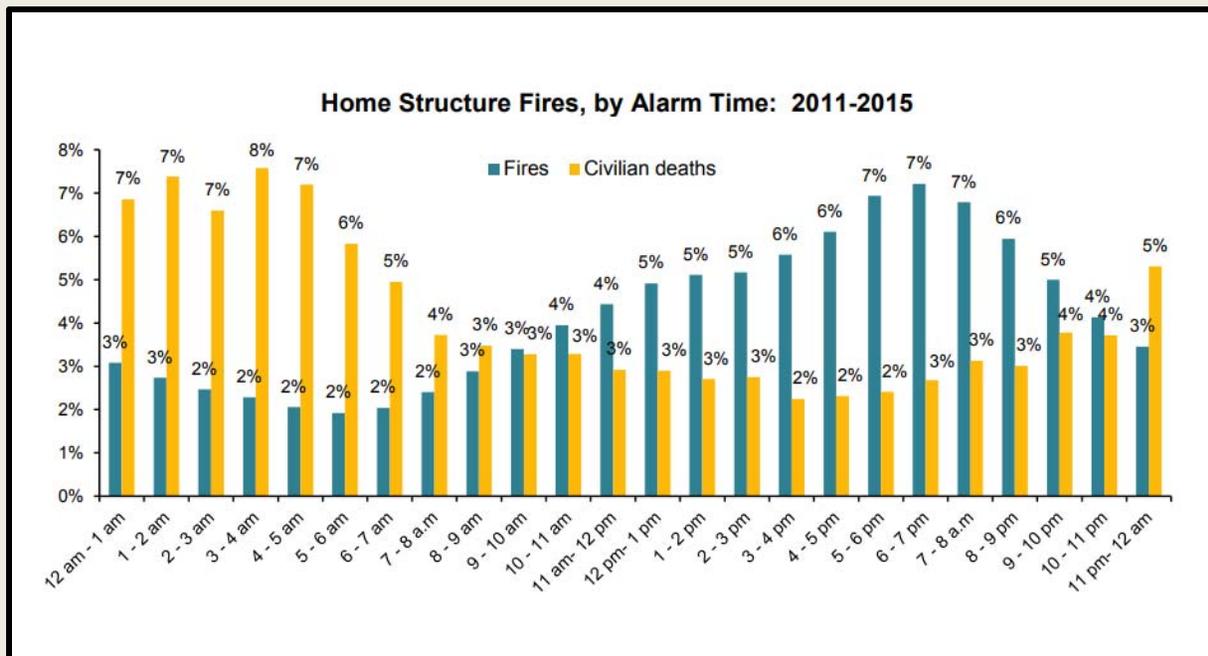
Operational Safety Concerns

Structure Fire Timeline



Operational Safety Concerns

Residential Fires and Civilian Deaths by Time of Day



**52% of Fire
Related Deaths
in the Home
Occur Between
the Hours of
11PM & 7AM**

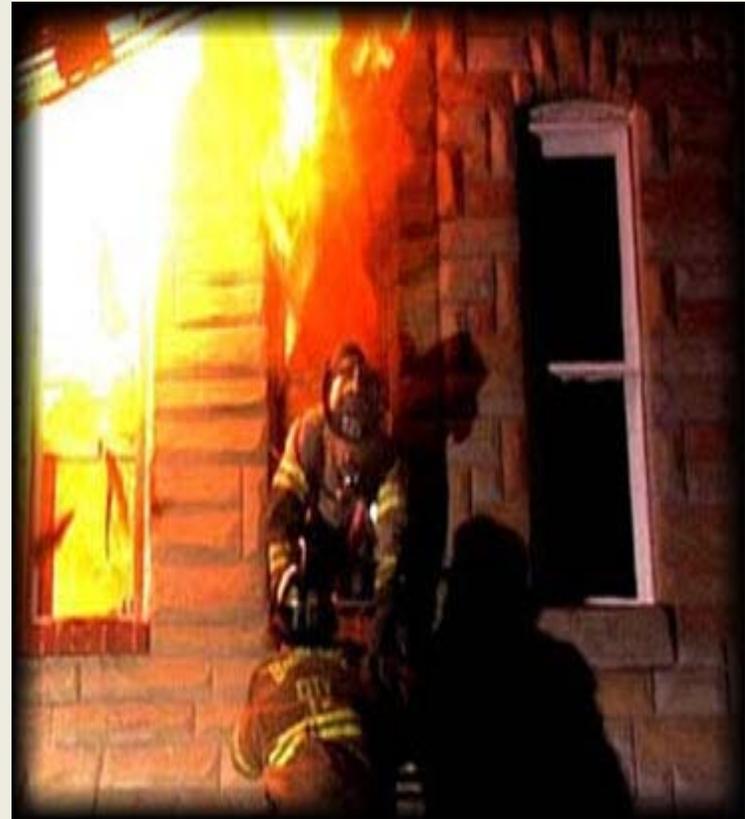
(NFPA) National Fire Protection Agency. (2017).



Operational Safety Concerns

Firefighter Emergencies & Mayday's

- 50% of all maydays occurred between Midnight and 0600 hours
- 54% of maydays occur to a member of the crew from the first arriving unit



Operational Safety Concerns

Wisconsin State Statute SPS 330.14 (3) (a)

OSHA Two-In / Two-Out Rule:

Under the “2 In/2 Out” Regulation, OSHA establishes that in an Immediately Dangerous to Life and Health (IDLH) atmosphere, the employer should ensure that 4 firefighters arrive at the fire before entering the building.

1. **At least two (2) firefighters enter** the building and remain in visual and voice contact at all times.
2. **At least two (2) firefighters remain outside** of the building.



Operational Safety Concerns

**Tuesday June 6th, 2017 - 1507 hours
City of Burlington, WI.**



Operational Safety Concerns

Current CBFD Staffing Voids

In These Time Frames:

Monday	}	Before 7 AM After 6 PM
Tuesday		
Wednesday		
Thursday		
Friday		
Saturday		All Day
Saturday		All Day

The Only Guarantee →



Thank you

Questions & Comments

