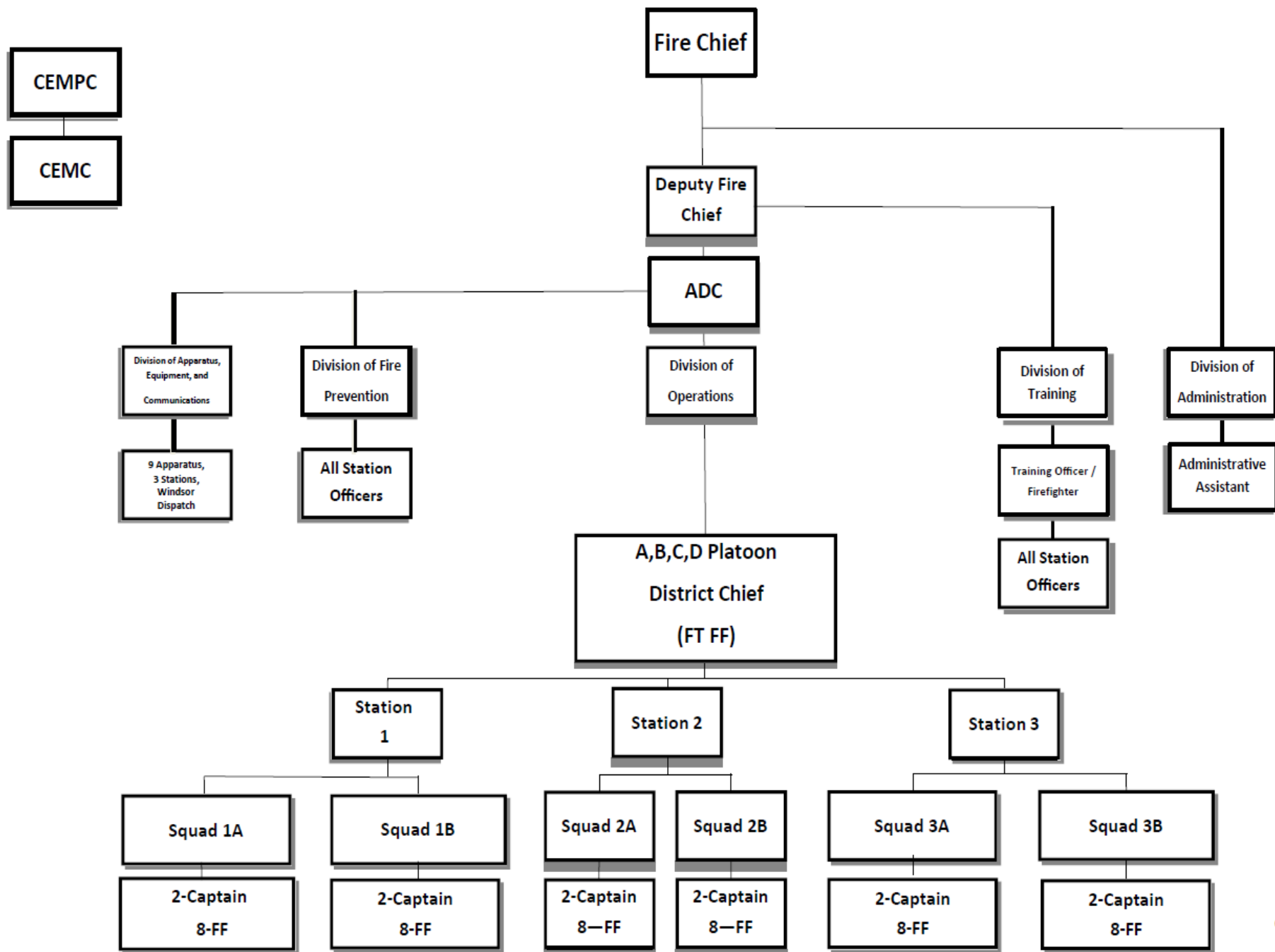




Fire Station Renewal

AMHERSTBURG FIRE DEPARTMENT

- 3 former fire services
- Anderdon
- Malden
- Amherstburg
- Amherstburg FD Was Established in 1841
- Malden FD was Established in 1947
- Anderdon FD was Established 1948
- Amalgamation Jan 1, 1998
- Fire services protection area of 185.61 sq. km.
- 23,524 population
- 5 career staff – 60 Volunteer ff., 5 unpaid auxiliary FFs, 3 Chief Officers, 1 Admin
- Moderate growth projected
- Average 400 calls for service/year.

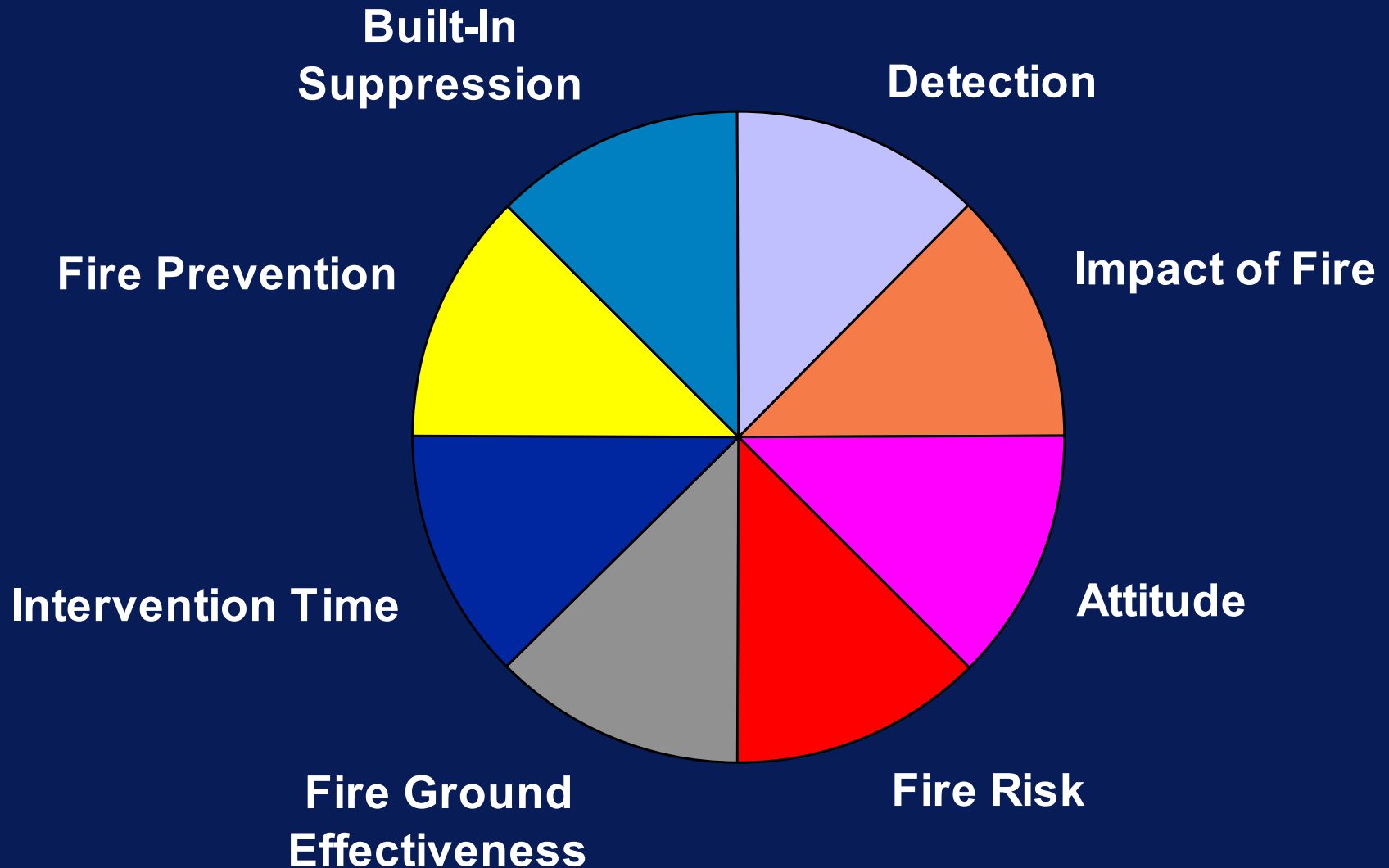


Our Fire Master Plan – update Process

1. Establish Planning Context
2. Establish Work Teams
3. Analyze Risk
4. Evaluate Risk
5. Prepare Action Plan
6. Develop Implementation Strategies
7. Implement Fire Master Plan
8. Monitor and Evaluate
9. Benchmark
10. Revise



Comprehensive Fire Safety Effectiveness Model



Included ;

- **Public Consultation 3 Sessions & On-Line Survey**
- **Work Teams – 40 Staff made contributions**
- **Presented to Council July 13, 2020**
 - 33 Recommendations – 24 completed -3 in process**
- ✓ **Deployment challenges**
- ✓ **Fire Station Conditions**
- ✓ **OH&S focused**
- ✓ **Options Report - August 9, 2021 (2 options presented)**
 - Council directed 2 station consolidation option**
 - Council received design & funding plan Aug. 2022**



Deployment

When we receive a Call for Help

911 to WFRS Dispatch

- Average – 8 Sec

WFRS call Processing

- **NFPA 1221** establishes “90 percent of emergency alarm processing shall be completed within 64 seconds, and 95 percent of alarm processing shall be completed within 106 seconds.”
- Currently is 158 sec.

Turnout time (from receiving the station alert/page to vehicles out the door)

- Volunteers – 6 min.
- FT on duty – max. 90 sec.



How many FF can we expect??

Each station has 20
volunteers

Station # 2

1 FT ff on duty 24/7

- On Average ...excluding during the day, and long weekends...
- An Average of 12 fire fighters respond to an all station call

The National Fire Protection Association standard 1720 Table 4.3.2. indicates:

Demand Zone	Demographics	Staffing & Response Time	Meets Objectives Percentage
<u>Urban area</u>	<u>>1000 population /mi2</u>	<u>15 FF/9 min.</u>	<u>90%</u>
<u>Suburban area</u>	<u>500-1000 people/mi2</u>	<u>10FF/10 min.</u>	<u>80%</u>
<u>Rural area</u>	<u><500 people/mi2</u>	<u>6FF/14 min.</u>	<u>80%</u>
Special Risks	AHJ	AHJ	90%

	Current Stations – Municipal Addresses Covered		
Time	9 Minutes/15 FF	10 Minutes/10 FF	14 Minutes/6FF
Target	2881	3501	3111
Actual	0	2797	3111
Actual w/o FT FF	0	2059	2678

What's Been Happening?

- Changing the Culture
- Working Committees & Master Planning
- New Open Burning initiative
- New ERP and EOC improvements
- Nuclear Response issues
- Managing Public Expectations
- Recruitment – (Staff turn over)
- Carcinogen Management
- Aging Infrastructure
- Gaps in Asset renewal



Our Priorities

- Legislative mandates
 - Resources (Right-Sizing)
 - Priority Programming
 - Preparing for the future
- 



Carcinogen Management

Hierarchy of Safety Controls:

- **Elimination:** physically remove the hazard
 - **Substitution:** replace the hazard
 - **Engineering Controls:** Isolate from the hazard
 - **Administrative Controls:** Change the way we work
 - **PPE:** Protect the worker with protective equipment
- 



Carcinogen Management Con't

2017 – Contracted gear cleaning and repairs

- Implemented Decon procedure
- Produced Training materials – PPE cleaning

2018 – Established reserve for presumptive Claims

2017-2022 14 claims

- 12 approved – 1 denied-1 pending
- purchased decon wipes for on-scene

2019 - JOH&S Hazard Assessment

Carcinogen Management Con't

- 2020- Fire Master plan included in both Exec Summary and the Fire station section
 - \$80 K upgrade to Create Decon Facility and Shower at Stn # 2
- 2021 - Deployment Options report identified
 - Healthy in ...Healthy Out program delivered
- 2022 – New ADFC assigned to conduct MOL. Cancer Risk Assessment
 - Aug.15/22 Design report listed all deficiencies of all stations.



OFFICE CONSOLIDATION

Fire Protection and Prevention Act, 1997

Statutes of Ontario, 1997
Chapter 4

as amended by:
1997, Chapter 21, Sched. A, s. 3;
1998, Chapter 15, Sched. E, s. 12

and the following Regulation (as amended):

Appointment of Arbitrators and Conciliation
Officers (O. Reg. 407/97)

CODIFICATION ADMINISTRATIVE

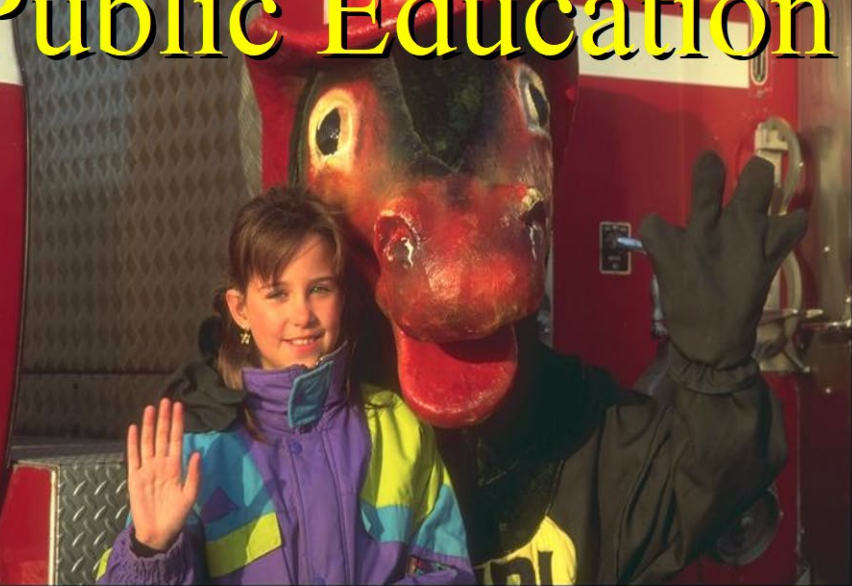
Loi de 1997 sur la prévention et la protection contre l'incendie

Lois de l'Ontario de 1997
Chapitre 4

tel qu'il est modifié par :
l'art. 3 de l'annexe A du chap. 21 de 1997;
l'art. 12 de l'annexe E du chap. 15 de 1998

et le règlement suivant (tel qu'il est modifié) :

Public Education



Standards &
Enforcement



Effective Emergency
Response



Training is a Focus

- In Service Training
- Officer Training
- Specialty Training
- R & D







ST. CLAIR



MOBILE LIVE FIRE TRAINING UNIT

Dräger





Labour Relations

New Agreement with Paid On Call Volunteers

- On-Line Learning
- Comparable rates
- Fitness & Wellness
- Uniform spending accounts

Amherstburg Professional Fire fighters Association

- Resolved 10 year pay inequity
- Statutory Holiday Pay
- Organizational Structure
- Uniform Spending account
- 42 hr work week
- Program resources
- Wellness

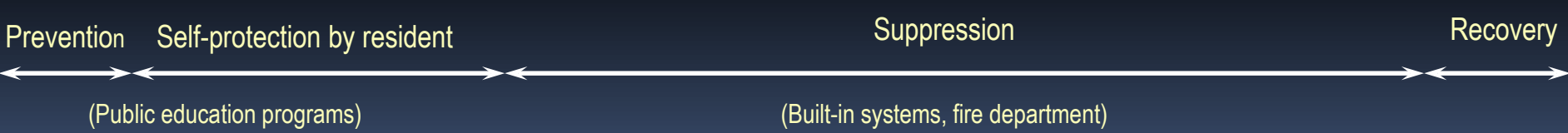
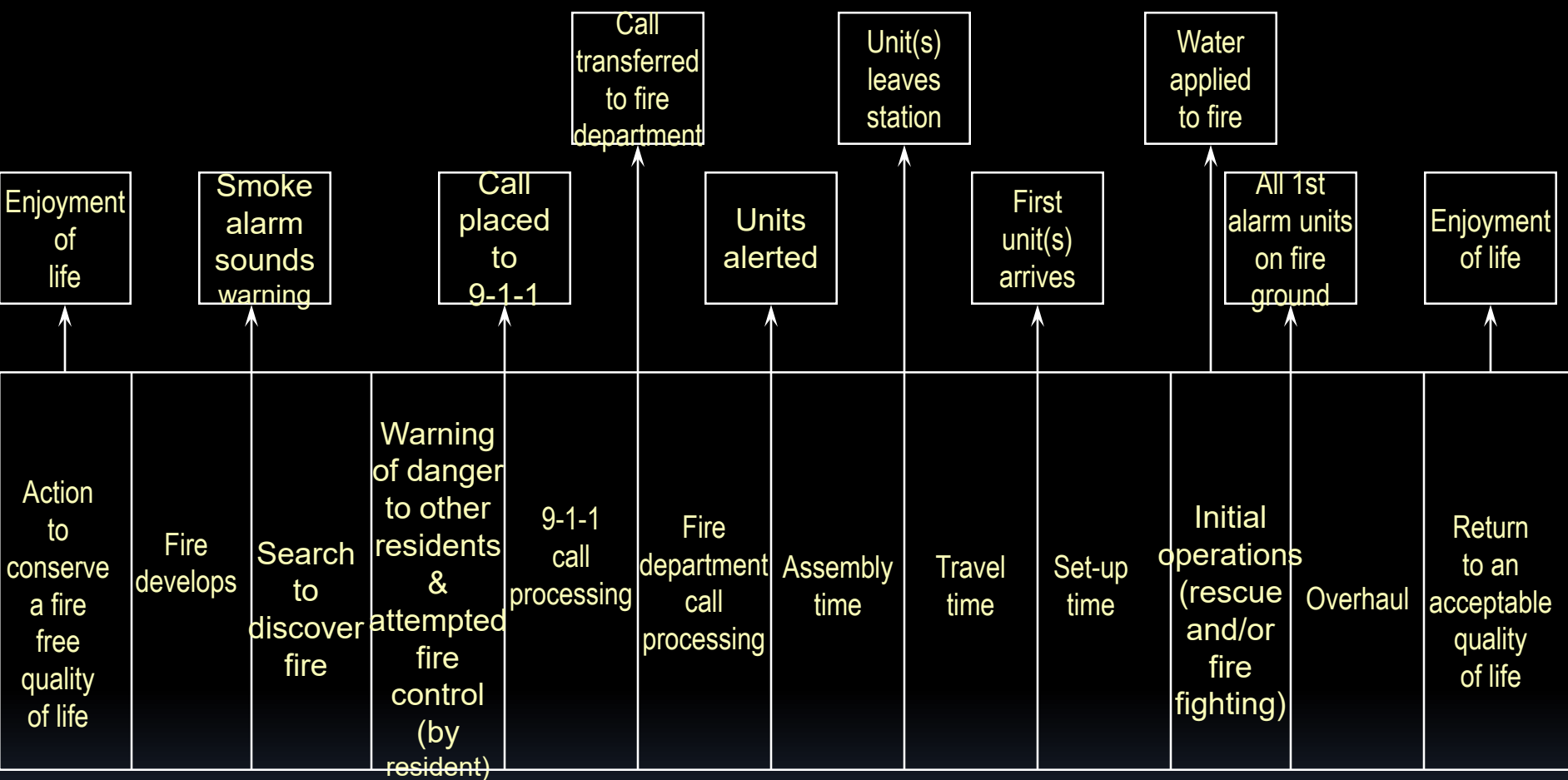
- 
- 
- 1) Safety & Performance
 - 2) Customer Service
 - 3) Professionalism



OUR “YARDSTICK”

What is best for the
residents we serve?





The Many Steps of Fire Safety



FACT

In Ontario

**65% of all
Fire Victims**

**Response time
5 minutes and under**



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Options Report - August 9, 2021 (2 options presented)

**MFP – Eliminated 1 and 4 station
Options**



**2- Station consolidation &
3 station model achieve 100% of
response targets**

What is the difference???

In a 3 station model

- 20 more Vol fire fighters REQ
- Increase in Operating approx.
\$250,000/year
- earlier increase to more Full Time FF due to development
- two new stations req. or significant renovation required at all 3 locations



In a 2 station Consolidation

- No additional Vol fire fighters
 - Reduction in Operating costs
approx. \$50,000
 - Delayed increase to Full Time
 - New Facilities will have a 60
year lifecycle and,
 - no renovation required at any
location
- 

Council directed the 2 station consolidation option...

- Council received a design & funding plan Aug. 2022

Discussions with Council included;

- How do we get the estimated cost down?
- Are there any extras that can be eliminated from the design?
- What would the costs be to renovate the existing stations to deal with the shortcomings and defer the expenditure of new facilities for the future?



The project was referred to the
“soon to be” newly elected Council
for further consideration



Masri O Architects was additionally
requested to provide a review of
the facilities assessment
conducted, and provide
considerations and costs for
council to review



Masri O – Cost Comparison Report

3 Options were evaluated

Scenario A – Renovate 3 existing stations



Scenario B - Consolidate & Build 2 new
Stations one now and one later

Scenario C – Consolidate & Build 1 New and
Renovate 1 Old



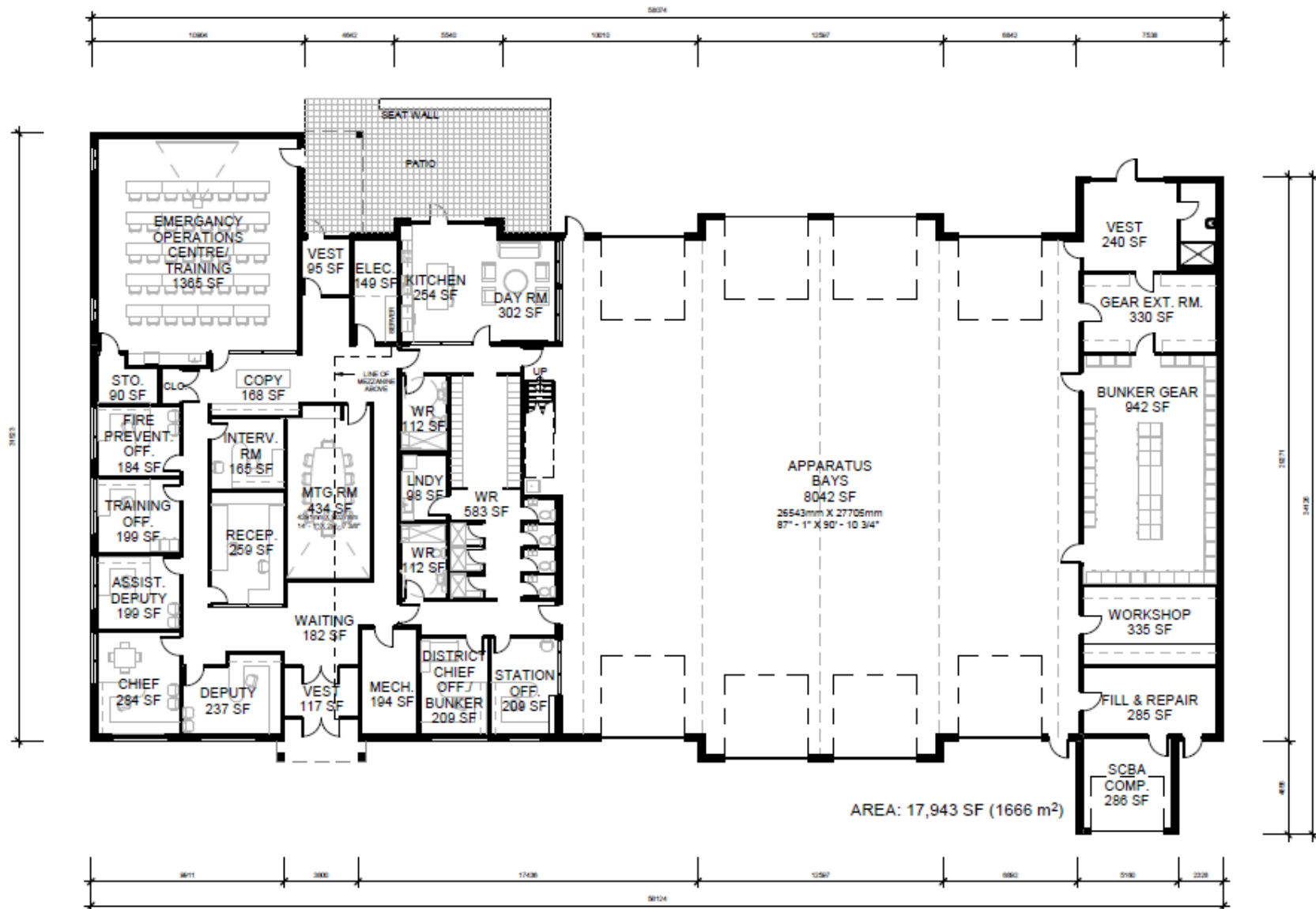
Conclusions:

Scenario C – Consolidate & Build 1 New and Renovate 1
Most Expensive and may not be possible

Scenario A – Renovate 3 existing stations
2nd Most Expensive and may not be possible



Scenario B – Consolidate & Build 2 new Stations one now and
one later
Least Expensive most Cost effective



LESS OF THIS!





Questions

