

ZERO BASED REVIEW

CALGARY FIREFIGHTERS ASSOCIATION

IAFF LOCAL 255



CHALLENGES WITH BEHR REPORT

- **Increased Risk**
 - Risk to Calgarians
 - Risk to Firefighters
- **Calgarians' Return on Investment**
 - Economic
 - Social
 - Environmental

Risk is significantly shifted to Calgarians and your frontline firefighters.



BEHR REPORT RECOMMENDATIONS

IAFF LOCAL 255	RECOMMENDATIONS	TOTAL
REJECT	9, 10	2
CAUTIOUS	7, 8, 17, 18	4
CONTINUED REVIEW AND CONSULATION	4, 14, 19, 20, 23, 26, 27	7
ACCEPT	1, 2, 3, 5, 6, 11, 12, 13, 15, 16, 21, 22, 24, 25, 28, 29, 30, 31, 32, 33, 34	21



RISK TO CALGARIANS

Behr Recommendations - #9, #10, #7, #8, #17, #18

- **3 Person Engines**
 - Life safety
 - Property loss – Personal and Business
 - CFD staffing is already below minimum international standards
 - Low Staffing on Auxiliary Apparatus versus comparable cities
 - Reduces efficiencies at all hazard responses
 - Fire, car accidents, medicals, water rescue, hazardous materials etc.
- **Closing 5 existing stations and not opening 3 growth stations**
 - Two tiered fire protection and service delivery
 - CFD response times are already below international minimum standards
 - NFPA 1710 minimum standards are: 6 minutes 20 seconds
 - CFD standard times are: **7 minutes**
 - BEHR recommended times: **8 minutes**
- **Enhanced dynamic deployment, and predictive software**
- **Reduction and changes to recruit training**



RISK TO FIREFIGHTERS

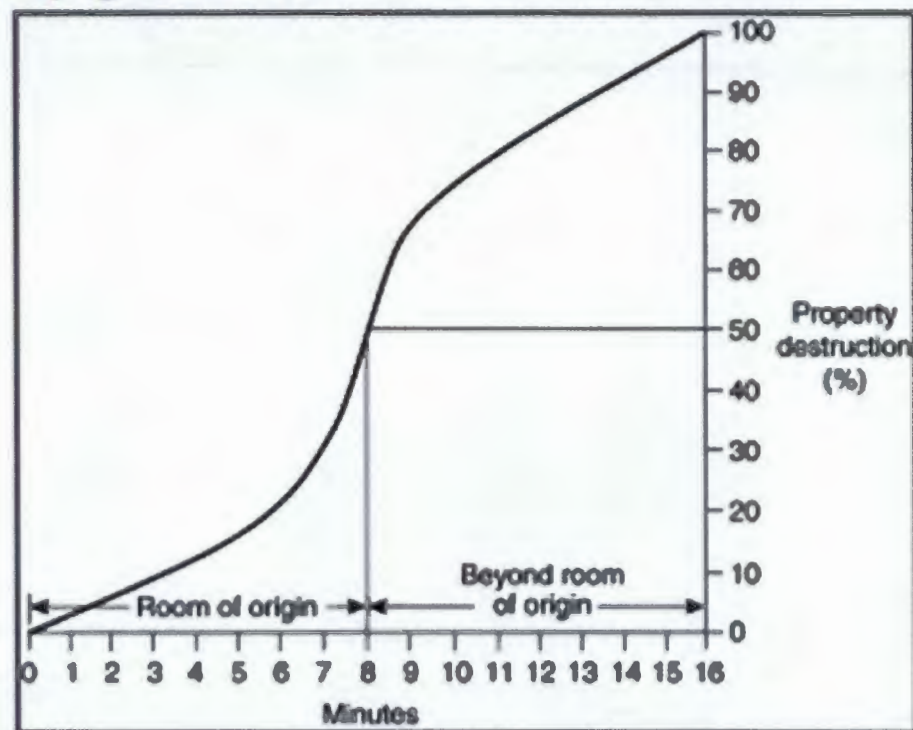
Behr Recommendations - #9, #10, #7, #8, #17, #18

- **3 Person Engines**
 - Life safety
 - Larger fires
 - CFD staffing is already below minimum international standards
 - Low Staffing on Auxiliary Apparatus versus comparable cities
 - Reduces efficiencies at all hazard responses
 - Fire, car accidents, medicals, water rescue, hazardous materials etc.
- **Closing 5 existing stations and not opening 3 growth stations**
 - Life safety
 - Reduced on scene resources to look after all hazards
 - Fires are burning hotter and faster
 - CFD resources are already stretched below minimum
 - CFD response times are already below international minimum standards
- **Enhanced dynamic deployment, and predictive software**
- **Reduction and changes to recruit training**



NFPA FIRE PROPAGATION CURVE

Figure A.5.2.2.1 Fire Propagation Curve.



UNDERWRITERS LABORATORY COMPARISON



Today's Fire Environment



Larger Homes



Open Spaces



Evolving Fuel
Loads



Inc. Voids
Spaces



Changing Bldg.
Materials



Smaller Lots



New Technologies



- **Faster fire propagation**
- **Shorter time to flashover**
- **Rapid changes in fire dynamics**
- **Shorter escape times**
- **Shorter time to collapse**
- **Inc. Exposure Problems**
- **New and Unknown Hazards**



FIRE DEPARTMENT STAFFING COMPARISONS

Apparatus Staffing	Engine	Aerial	Rescue
NFPA	4	4	4
Calgary	4	2	2
Edmonton	4	4	4
Vancouver	4	4	4
Toronto	5 (4)	5 (3)	6 (4)



RETURN ON INVESTMENT: ECONOMIC IMPACT

- Number of Fire Calls that FD responds to in a year
 - Fires – 1817 in 2014
 - Average of 5 fires per day
 - All Hazards - 57 640 calls a year
 - Average 158 calls per day
- AHS Cost recovery
- Increased cost to home and business insurance
 - Fully covered to extended covered
 - Increase of approx. \$16/month
 - \$0.68/month on property tax savings
 - Two-tier user pay system with changed response times



ECONOMIC IMPACT OF SUCCESSFUL FIRE INTERVENTION

- Arizona State University study: “The Economic Impact of Successful Commercial Time Intervention.”
- Annual Phoenix Fire Department Budget is approximately \$220 Million Budget
- Economic return from 13 commercial fires in a 3 month period had a positive impact on the state and local economy of over \$301 million dollars and saved over 2300 local jobs.
- The benefit of having a well-staffed and well deployed Fire Department saves lives and contributes to stabilizing the economy.
- Effective Fire Department response saves the local, provincial and federal economy millions of dollars

*study provided in binder



THE SOCIAL IMPACT OF THE BEHR REPORT

Decisions to staff and deploy below minimum international standards shifts the social impact to Calgarians and frontline firefighters.

- Decisions to create two-tiered response levels
- By accepting below standard recommendations firefighters are forced to take on increased risk and added stress
- Reducing and eliminating areas of recruit training will have negative impact on Diversity and Inclusion.
- **Public approval rating will decline**



ENVIRONMENTAL IMPACT OF THE BEHR REPORT

Inability to respond effectively to minimize negative environmental impact

- Hazardous Materials Incidents
- Train derailment
- Floods
- Natural disasters
- Larger and more severe fires



CONCLUSION

Is this only about money?

*How much risk should Calgarians and
Firefighters be responsible for?*

