

Regulatory Responses to Managing CO Exposures in Ontario

Fuels Safety Program

John Marshall

Director, Fuels Safety

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Putting Public Safety First



Agenda

Agenda

- TSSA Vision
- About Fuels Safety
- Top Safety Priorities
- Strategies to Enhance Safety
- Questions

TSSA's Vision

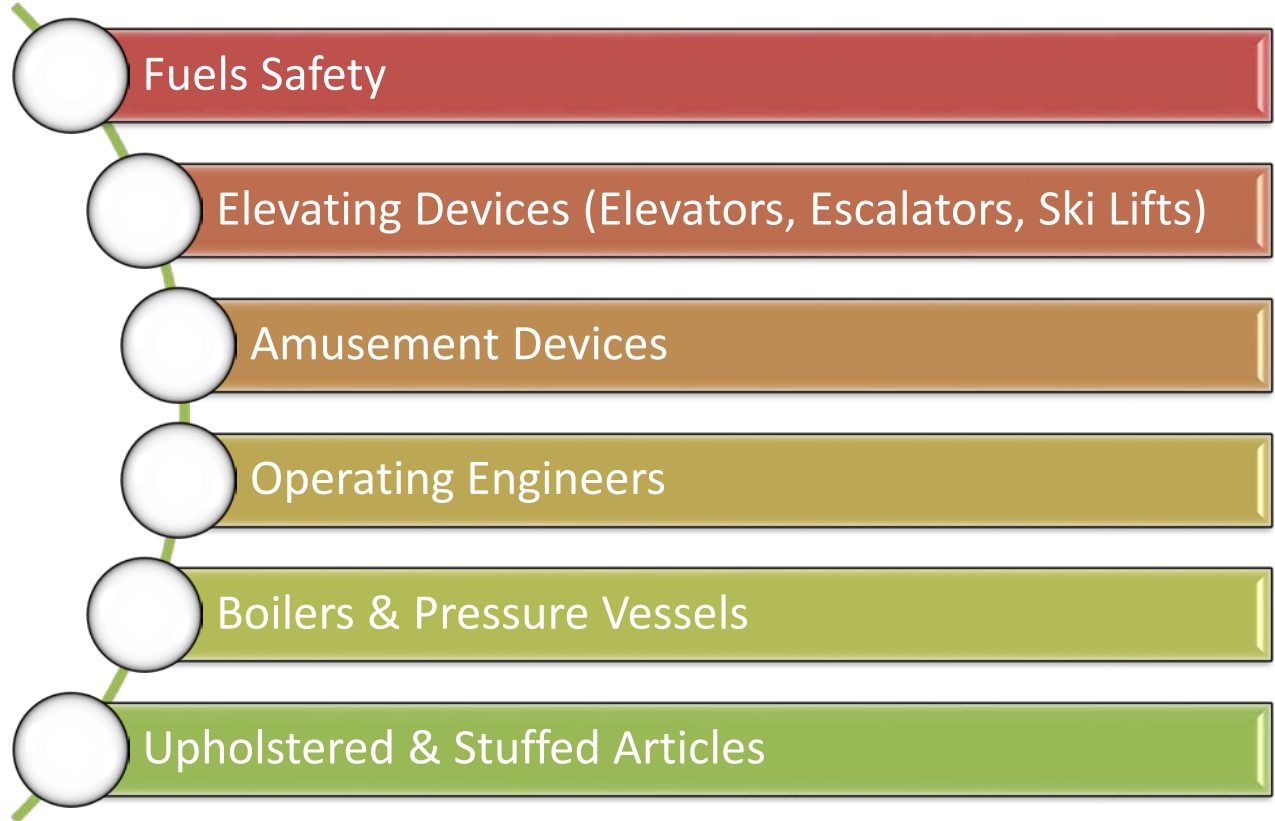
RAISON D'ETRE

Our Purpose:

To promote and enforce public safety

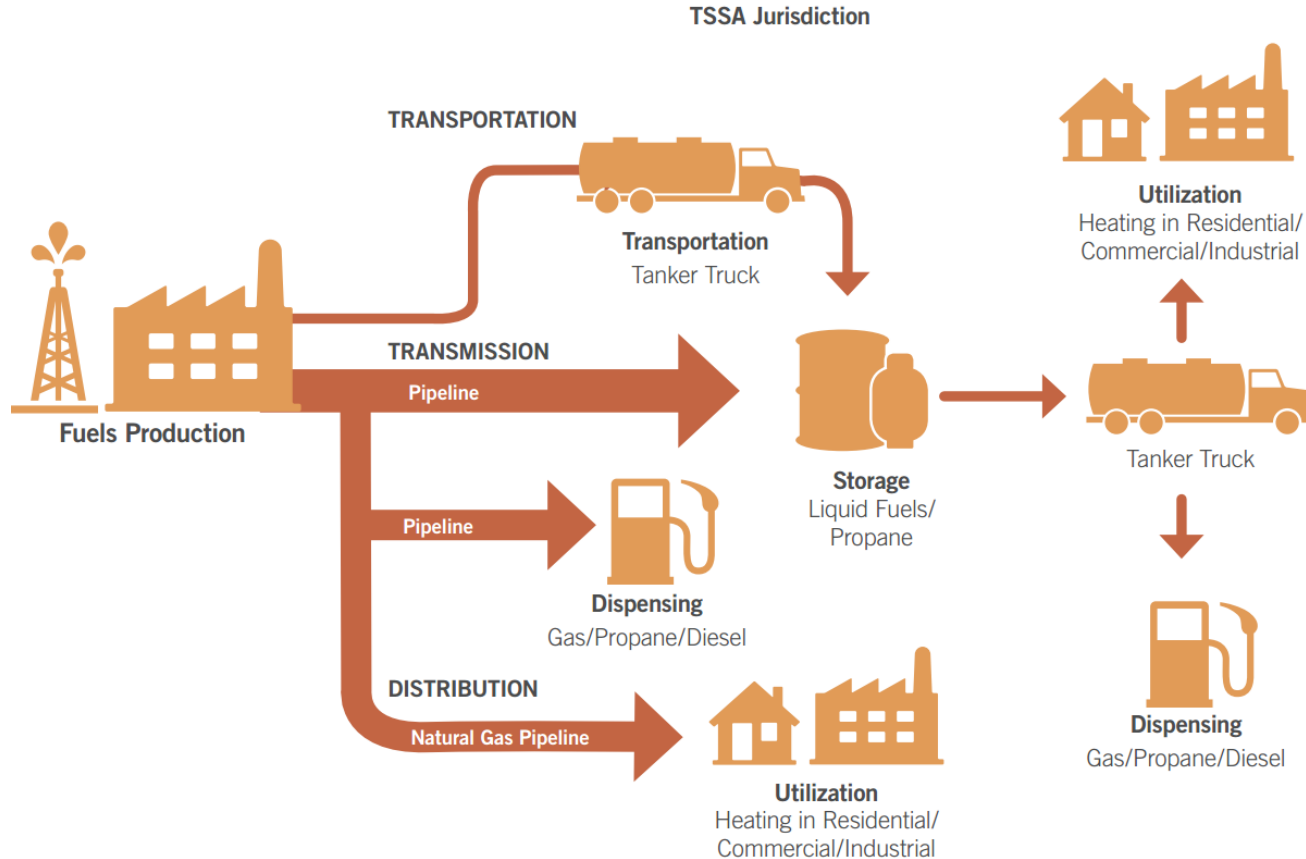
Vision:

To be a valued advocate and recognized authority in safety



Fuels Safety Program

LIFE CYCLE



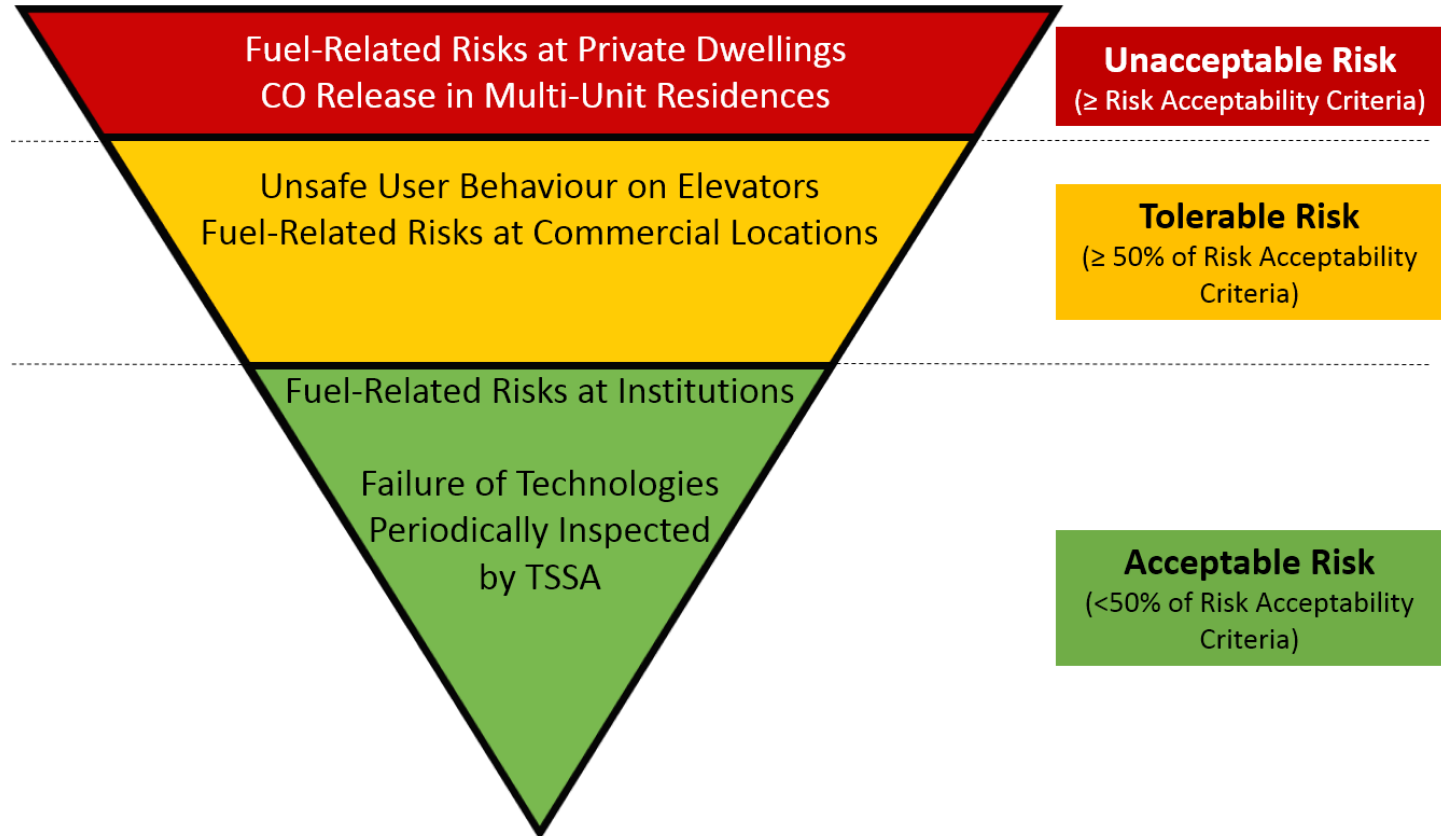
Fuels Safety Program

Overview

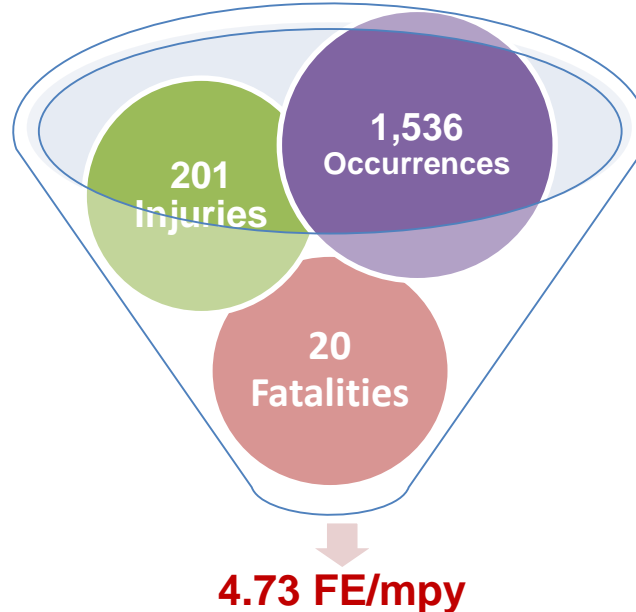


TOP SAFETY PRIORITIES

RISK MITIGATION PROJECTS



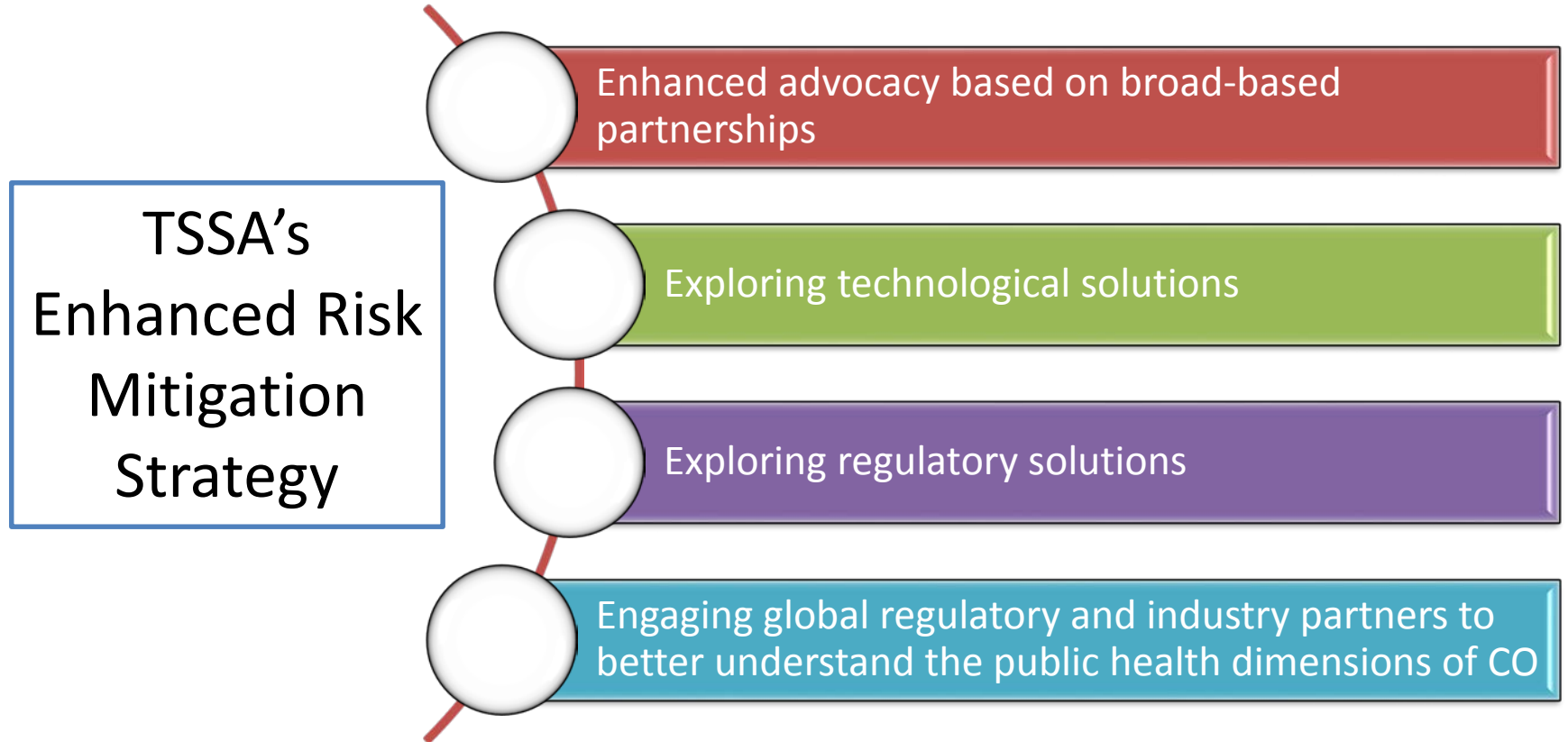
CO RISKS IN PRIVATE DWELLINGS



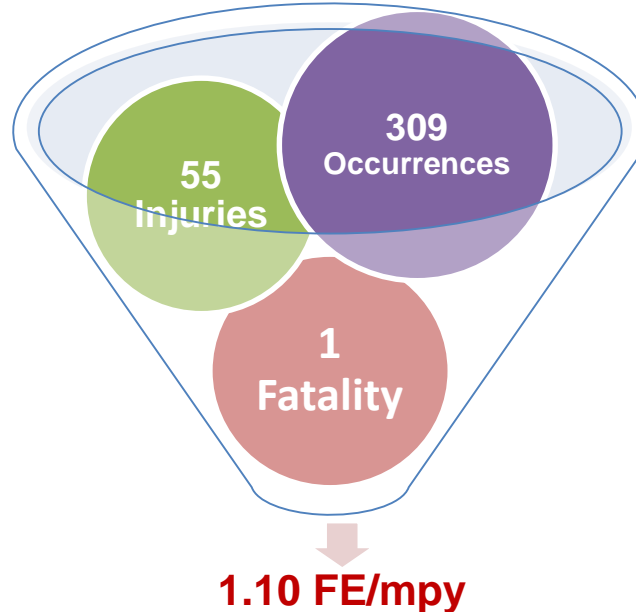
| Equipment | Causes |
|---------------|-------------------------------------|
| Boilers | Inadequate maintenance/installation |
| Furnaces | Defective/failed material |
| Water Heaters | Improper/negligent work practices |

MANAGING CO RISKS

PRIVATE DWELLINGS



CO RISKS IN MULTI-UNIT RESIDENCES



| Equipment | Causes |
|--|---|
| Boilers Furnaces Water Heaters Make-up Air Unit | Inadequate maintenance/installation General maintenance not followed Venting Issues |

MANAGING CO RISKS

MULTI-UNIT RESIDENCES

Collaborations

- Collaborative risk management framework involving multiple regulatory agencies
- Currently being examined by the City of Toronto

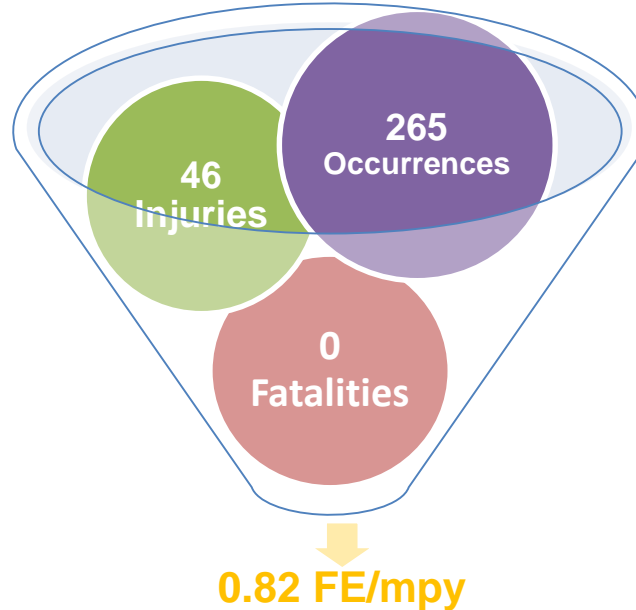
Communicate

- The need for equipment maintenance

Training & Awareness

- Addressing inadequate maintenance or installation of equipment in community housing locations, apartments and condominiums

CO RISKS IN COMMERCIAL ESTABLISHMENTS



| Equipment | Causes |
|---|---|
| Boilers Furnaces Cooking Equipment Heaters | Inadequate maintenance Defective/Failed Components or Materials Improper/Negligent Work Practices |

MANAGING CO RISKS

COMMERCIAL BUILDING PROJECT (FOOD SERVICES LOCATIONS)

Phase 1: Communication

- Communicating known issues and TSSA's understanding of risks with stakeholders
- Work with stakeholders to collaboratively reduce risks
- Public Health Units, Ministry of Labour, Ontario Fire Marshal

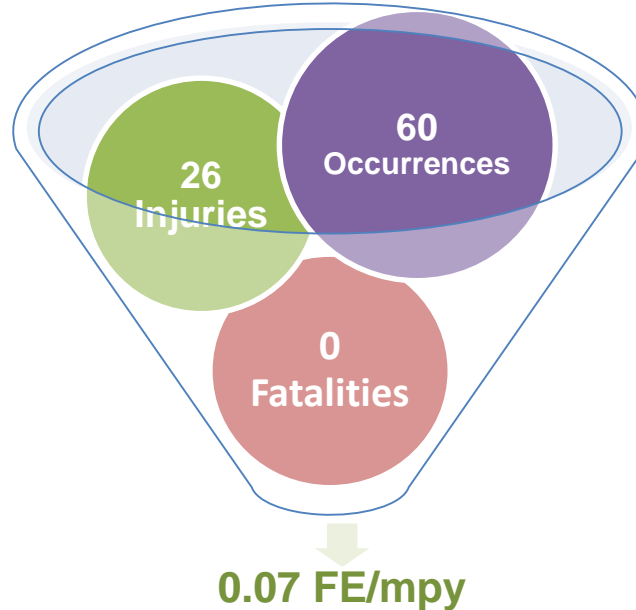
Phase 2: Advocacy

- Enhanced advocacy with stakeholders
- Restaurants Canada, Ontario Fire Marshal, Ministry of Labour

Phase 3: Review

- Review TSSA occurrence data related to sector
- Review strategy

CO RISKS IN INSTITUTIONS



| Equipment | Causes |
|---|---|
| Boilers Furnaces Cooking Equipment Heaters | Inadequate maintenance Defective/Failed Components or Materials Improper/Negligent Work Practices |

MANAGING CO RISKS

INSTITUTIONS WITH VULNERABLE POPULATIONS

Lessons Learned & Engagement

- Successful engagement and lessons learned from Long-Term Care and Retirement Home community

Collaborative Partnership with School Board Officials

- Developing a joint plan
- Enhance communication and education on improving fuel equipment safety and compliance
- Explore technological solutions to detect elevated levels of CO created by fuel-burning equipment prior to negative consequences being experienced

Questions

