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Municipality of Central Elgin Community Risk Assessment and Municipal Fires Overview

Ontario Regulation 378/18

2025-10-07

Central Elgin Geographic Profile Work Sheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Data			Risk				Risk
Physical Geographic Features	Description	Locations	Issues and Concerns	Probability	Consequence	Assigned Risk Level	Risk Treat.
Railway	London and Port Stanley Railway	Passenger railway system running from St. Thomas to Port Stanley catering to tourists visiting the beach.	Rail line can impede response, access issues, special procedures required. Potential for materials release into waterways and onto the land. Specialized training and equipment required.	10	1000	MODERATE	Accept Risk
Railway	Canadian National Railway , Canadian Pacific Railroad	CN is a National rail system running East/West from St. Thomas to Fort Erie, CN freight. CPR runs from St. Thomas to Woodstock.	Rail line can impede response, access issues, special procedures required. Potential for Hazardous materials release into waterways and onto the land. Specialized training and equipment required.	100	10000	HIGH	Mitigate Risk
Highways	Hwy 3 (King's Highway) Talbot Line and many county roads primarily running N/S and E/W in a grid pattern.	One Provincial highway exists in Central Elgin, HWY 3 Talbot Line, Major county roads running East-West are: Borden Ave.,Ferguson LN,Ron McNeil Ln,Elm Ln,John Wise Ln,Sparta Ln,Dexter Ln. County roads running North- South include Colborne St, Larry Street, East Rd, Stone Church Rd, Bell St,Sunset Rd, Fairview Av,Centennial Av,Quaker Rd,Belmont Rd,Yarmouth Centre Rd. .	Busy highways/roads, many MVC's, specialized equipment and training required, possibility of hazardous materials spills.	10000	100	HIGH	Accept Risk
Lake	Lake Erie	South boundary of Central Elgin	Large Great Lake, busy recreational area, commercial fishing area, open water, specialty rescue training and equipment required, accessibility issues. Four major beaches Main Beach, Little Beach, Erie Rest Beach.	10000	1000	HIGH	Accept Risk
River, Inland Waterways	Kettle Creek, Catfish Creek	Runs South to Port Stanley. Multiple drains and inland waterways throughout the Municipality. Catfish Creek runs between St. Thomas and Aylmer. Located near Orwell running North/South.	Wooded areas, accessibility issues could hamper response. Water rescue scenarios exist requiring special training and equipment. Area around Port Stanley very busy in summer months causing potential delays.	1000	100	MODERATE	Accept Risk
Wetland, Ponds, Wildland	Conservation Areas, ponds, wetlands, drains. Area	Large conservation areas used for hiking, boating leisure activities including Archie Coulter Conservation Area, Union Pond, Sanders Pond, Bells Pond, Kettle Creek, Beaver Creek, extensive amount of hiking trails around water features and an extensive amount of drains throughout the municipality. Dan Patterson (Highbury Road and Mapleton Line)	Open water, wooded areas, accessibility issues, high tourist area. Specialty rescue training and equipment could be required.	1000	10	MODERATE	Accept Risk

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Data			Risk				Risk
Physical Geographic Features	Description	Locations	Issues and Concerns	Probability	Consequence	Assigned Risk Level	Risk Treat.
Bridges	Various Locations	Bridges in Central Elgin include 3 major construction types: truss style, I-beam and girder style, and rigid frame style bridges. The locations occur through the municipality. The bridges include, Port Stanley Lift Bridge, Southdale Line bridge, Truman East, Wilsie Bourne, Edgeware East, Edgeware West, Truman West, Goudy ,Pleasant Valley (currently closed under repair) , Thompson, Yarmouth Centre Bridges	Bridges can cause delays, access concerns when bridges are blocked or under construction. All bridges listed require maintenance and possible shut- downs to ensure bridge life expectancy of 100 years is realized. Potential release of hazardous products into the water course. Speciality equipment and training required. Possible high angle rescue scenarios exist due to bridge structures. Load restrictions could cause delays.	10000	100	HIGH	Accept Risk
Airport	St. Thomas Municipal Airport	Direct flight path runs over Central Elgin. The airport is in the central west area of the Municipality. Corporate jets, military aircraft, airshow aircraft common.	Possibility of an aviation disaster. Special training and equipment could be required. Wide debris field possible, life safety risk to citizens in the crash zone. Assistance from other emergency services would likely be required.	1000	1000	HIGH	Mitigate Risk
Cliff Edges		Waterfront Areas, Hawk Cliff Area is an example.	Accessibility issues, special training and equipment necessary, response times could be impeded. Areas used for recreation purposes.	1000	100	MODERATE	Accept Risk

Central Elgin Building Stock Profile Work Sheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Occupancy Classification	Description	Occupancy Count	Occupancy %	Issues and Concerns	Risk Probability	Risk Consequences	Assigned Risk Level	Risk Treatment
Group A	Assembly occupancies. Example – halls, restaurants, schools, arenas, library's, theatres etc. Central Elgin examples: Port Stanley and Belmont Arenas, 6 churches, Port Stanley Theatre, Port Stanley Legion, Odd Fellows Hall, Sparta Community Hall, Dexter Hall, Union sports Club, Masonic Centre, Kettle Creek golf, St. Thomas Golf.	51	0.9%	Potential for lightweight construction (trusses), Potential for heavy timber construction, large occupant loads, occupants unfamiliar with surroundings, noise and impairment could slow exiting	1000	1000	HIGH	Mitigate Risk
Group B	Institutional Occupancies. Example – Hospitals, Long Term Care Home, Detention Occupancies, includes all V.O's.	4	0.1%	Occupants need assistance to evacuate, some occupants can be detained, lower staff numbers on night shifts, difficult fires to manage due to slow evacuation of occupants. Very complex suppression requirements with high number of suppression staff required for working fires. Evacuees require immediate assistance once evacuated.	100	10000	HIGH	Mitigate Risk
Group C	Residential Occupancies. Single, semi, row, townhouse, condos (non stacked)	5558	93.7%	Truss /lightweight construction common, sleeping accommodations, many rentals, student housing, 1200 homes pre OBC construction. Lack of smoke and CO alarms, and evacuation plans are issues. Unknown accessory apartments could be present. Older building stock could contain balloon frame construction increasing potential fire spread. 69.8% of all structure fires are in this occupancy type.	10000	100	HIGH	Mitigate Risk

Central Elgin Building Stock Profile Work Sheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Occupancy Classification	Description	Occupancy Count	Occupancy %	Issues and Concerns	Risk Probability	Risk Consequences	Assigned Risk Level	Risk Treatment
	rooming ,boarding lodging, student residence	0	0.0%	Truss/lightweight construction possible, typically older building stock, transient population, impairment is common	1	1	FALSE	
	Multi-unit 3-6	50	0.8%	Truss/lightweight construction possible size apartment buildings, code compliance often a struggle, fires can displace many occupants. Some in downtown core.	100	10000	HIGH	Mitigate Risk
	Multi -unit 7+	20	0.3%	Some Truss/lightweight construction used, group includes Highrise buildings, high occupant load, difficult to fight fires, often occupants don't self-evacuate, can be either combustible or non-combustible construction, some downtown core buildings. Building exposures and density likely to increase as the town continues to grow in population.	100	10000	HIGH	Mitigate Risk
	Accessory apartment 2 units	51	0.9%	Truss/lightweight construction possible, many in old building stock, many are illegal units, many have not been constructed under building permit, existing 9.8 buildings,	1000	1000	HIGH	Mitigate Risk
	Camp Ground	3	0.1%	Units close together, smoke alarms/CO alarms often nonexistent, impairment possible, quick fire spread likely, exposure fires a concern. Tight access possible.	100	100	MODERATE	Mitigate Risk
	Motel, hotel ,lodge, Inn	6	0.1%	Truss/lightweight construction possible, occupants unfamiliar with surroundings, impairment possible, high occupant loads possible, limited night-time supervisory staff. Some used to house homeless.	100	1000	MODERATE	Mitigate Risk

Central Elgin Building Stock Profile Work Sheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Occupancy Classification	Description	Occupancy Count	Occupancy %	Issues and Concerns	Risk Probability	Risk Consequences	Assigned Risk Level	Risk Treatment
Group D	Business and Personal. Example – Services Occupancies, Doctors Office, Office Building, LCBO (2), Belmont and Port Stanley Store Fronts, Canandale, Huron Tractor, Delta Power	19	0.3%	Truss/lightweight construction possible, high occupant load possible, Highrise possible, visiting occupants unfamiliar with building	100	100	MODERATE	Mitigate Risk
Group E	Mercantile Occupancies. Example – retail stores, smaller restaurants. Convenience stores.	117	2.0%	Truss/lightweight construction common, high occupant load common, large open floor space common, high combustible content common	100	1000	MODERATE	Mitigate Risk
Group F	Industrial Occupancies. Example – Low Hazard Industrial. Medium Hazard Industrial. High Hazard Industrial. Dowler-Karn Mcdougal Energy, Yarmouth Metal, BelmontFarm Supply, Elgin Area Water System, Steelway, St. Thomas Airport., McAsphalt.	50	0.8%	Truss/lightweight construction common, hazardous process common, large occupant loads common, excessive noise common, large amounts of combustible storage common, many are unsprinklered. Unknown chemicals on site.	1000	1000	HIGH	Mitigate Risk
Farm	Farm Operation	632	0.106595	Heavy timber common, unknown hidden hazards common. Electrical issues common. Animals may be present requiring special training and equipment. Many built prior to OBC and Fire Codes.	1000	100	MODERATE	Mitigate Risk
Total		5929						

Central Elgin Critical Infrastructure Worksheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Data Gathering			Risk				Risk
Critical Infrastructure	Description	Locations	Issues and Concerns	Risk Probability	Risk Consequence	Assigned Risk Level	Risk Treatment
Electricity	Transmission/Distribution ERTH Power Corporation	ERTH Power Corporation. Head Office: 143 Bell Street, Ingersoll, Ontario. Hydro One supply lines.	A disruption of electrical power generation, transmission or distribution. Specifically a concern during winter months. Elderly particularly more vulnerable, especially those dependent on elevators, dialysis, oxygen. Disruption of critical infrastructure. Downed electrical wires could result in an increase in fires and medical calls.	1000	100	MODERATE	Accept Risk
Oil and Natural Gas	Diesel, No-Lead Fuel Storage for Emergency Services vehicles and equipment	Port Stanley and Union use Shell Station, Yarmouth Station uses McDougall Energy, Belmont Station uses Belmont Arena tanks. Back up power exists for this facility.	Shortage of petroleum products may cause economic disruptions as well as impact to emergency services. Uncontrolled release of oil, natural gas or both. Perhaps environmental damage. Danger to life.	10	100	MODERATE	Mitigate Risk
	Natural Gas Industry, Enbridge Gas	Various Natural Gas pumping stations, Border stations, transfer stations: Distribution Station:	Large evacuations could result from leaking distribution piping. Ignition sources in areas of leaks often unknown, large leaks during winter months could cause additional responses due to lack of heating in dwelling units especially in the vulnerable population.	10000	10000	HIGH	Accept Risk
	Propane Supplier	Large propane storage facility McDougal Energy 100,000 gallon filling station, plus many propane tank rail cars.		100	10000	HIGH	Mitigate Risk

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Data Gathering			Risk				Risk
Critical Infrastructure	Description	Locations	Issues and Concerns	Risk Probability	Risk Consequence	Assigned Risk Level	Risk Treatment
Water	Water treatment facilities	Chlorination, Elgin Area Water treatment, 43665 Dexter Line. Belmont Pump house 200 Caesar Road. Port Stanley water tower, 4897 East Road.	Water contamination endangering the health and wellbeing of the public. May cause illness, especially amongst those most vulnerable. Hospitals and other critical infrastructure may be impacted. Fire services may not have suppression water. Many rural properties do not have access to the municipal supplied water system. Hydrants not available in many rural areas of the municipality.	10	1000	MODERATE	Accept Risk
	Water Storage	Ground level tank Terminal Reservoir, 490 South Edgeware. Elevated tower Belmont water tower, 14170 Belmont Road. Elevated tower, Port Stanley water tower, 4897 East Road		10	1000	MODERATE	Accept Risk
	Water Distribution	Primary distribution Terminal Reservoir 490 Edgeware, Secondary pumping stations: Belmont Pump house, Fruit Ridge Line Booster Station, Tyke road Booster Station		1000	1000	HIGH	Accept Risk

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Data Gathering			Risk				Risk
Critical Infrastructure	Description	Locations	Issues and Concerns	Risk Probability	Risk Consequence	Assigned Risk Level	Risk Treatment
Telecommunications	911 Communications	911 answering Service, 230 Alder street Sudbury. Central ambulance dispatch centre 1510 Woodcock Road London. Tillsonburg Fire Services fire dispatch 80 Concession Street Tillsonburg. Various county communication towers throughout Municipality (Bearcom). Wired and wireless telephone services throughout Municipality.	Loss of radio, mobile or landline communications. Internet failure. Satellite based networks failure. May disrupt critical infrastructure and emergency services. No contact with 911 with potential loss of life or injuries. Possible security system failures.	1000	1000	HIGH	Mitigate Risk
Health Care							
	St. Thomas Elgin General Hospital	189 Elm Street St. Thomas		10	10	LOW	
	Walk in clinic	285 Bridge Street Bell Medical Centre		100	100	MODERATE	Mitigate Risk
	Vulnerable Occupancies	Extendicare, St. Joseph's Mental Health Facility, 26 Woodland road Group		100	10000	HIGH	Mitigate Risk
Evacuation/Reception Centres	Arenas	Port Stanley Arena, 332 Carlow Road. Belmont Arena, 14020 Belmont Road	Staffing could be a concern for large spread evacuations. Congregate living situation during pandemic could be a concern. Canadian Red Cross resources may be unavailable due to other impacted municipalities. Arenas have back up generators.	10	1000	MODERATE	Mitigate Risk
Financial Institutions	Various Bank Branches throughout the Municipality		Financial institution may cause wide spread "panic" withdrawals leading to economic collapse	10	10	LOW	Mitigate Risk

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Data Gathering			Risk				Risk
Critical Infrastructure	Description	Locations	Issues and Concerns	Risk Probability	Risk Consequence	Assigned Risk Level	Risk Treatment
Wastewater and sewage treatment		Port Stanley Waste water treatment plant and the Belmont waste water Lagoon, along with 14 pump stations, 68 kms of piping are the major assets of the system.	Disruption of treatment plants may cause environmental issue due to untreated water being returned in river. May cause illness.	10	100	MODERATE	Transfer Risk
Public Safety and Security			Disruption of emergency services may lead to belated response with possibly fatalities as a consequence, as well as damage to buildings (fires).				
	Region Paramedic Services	Medavie Health Services, 125 Edward Street St. Thomas, Ontario. Stations in St. Thomas (2), Aylmer, Rodney, Dutton, and Port Burwell		100	100	MODERATE	Mitigate Risk
	Police Services	OPP station 42696 John Wise Line,		100	100	MODERATE	Mitigate Risk
	Fire Services	Port Stanley Fire Station 5120 Sunset Road		100	1000	MODERATE	Mitigate Risk
		Union Fire Station 42702 Sparta Line		100	1000	MODERATE	Mitigate Risk
		Yarmouth Fire Station, 9538 Yarmouth Centre Road		100	1000	MODERATE	Mitigate Risk
		Belmont Fire Station, 206 Ceasar Road		100	1000	MODERATE	Mitigate Risk
		Port Stanley Rescue Water Service, 100 Carlow Road		100	1000	MODERATE	Mitigate Risk
		White Station, 45886 Fruit Ridge Line		100	1000	MODERATE	Mitigate Risk
	Public Works						

Central Elgin Critical Infrastructure Worksheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Data Gathering			Risk				Risk
Critical Infrastructure	Description	Locations	Issues and Concerns	Risk Probability	Risk Consequence	Assigned Risk Level	Risk Treatment
Continuity of Government			May lead to disruption of everyday life. Low income families very vulnerable. Continuity extremely important during extended and serious emergencies.				
	Regional EOC	County Emergency Operations Centre 450 Sunset Drive, St. Thomas		1	100	LOW	Transfer Risk
	Central Elgin Primary EOC	Port Stanley Fire Station		10	1000	MODERATE	Mitigate Risk
	Secondary EOC	Masonic Lodge , 42703 Fruit Ridge Line		10	1000	MODERATE	Mitigate Risk
Transportation							
	Emergency Maintenance of Road Infrastructure within the Municipality	The municipality is responsible for all roadways with the exception of roads owned by the county of Elgin and the Ministry of Transportation.	May lead to widespread disruption to supply chain, emergency services, economy.	100	1000	MODERATE	Mitigate Risk
Schools	Primary schools	New Sarum Public School, 9473 Belmont Road. Kettle Creek Public School, 350 Carlow Rd. Eva circe-Cote French Immersion, 45885 Sparta Line.	Younger kids are vulnerable population. May impact any evacuations.	1000	1000	HIGH	Mitigate Risk
Food	Various grocery stores, outlets. Locations not tracked	Various locations including Port Stanley Foodmart, Belmont Freshmart.	Food shortage may lead to panic buying. Food banks (St. Thomas Elgin Food Bank) may not have enough food for those in need. Will impact supply chain.	100	100	MODERATE	Mitigate Risk

Central Elgin Demographic Profile Work Sheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Data			Risk					Risk
Ages of Population	# of People	% of Total Population	Identified Demographic Group	Issues and Concerns	Risk Probability	Risk Consequences	Assigned Risk Level	Risk Treatment
Age 0-9	1,200	8.7%	young children	Dependent on others for their safety	100	10000	HIGH	Mitigate Risk
Age 10-19	1,540	11.2%	older children, teens	relatively dependent on others for their safety	100	10000	HIGH	Mitigate Risk
Age 20-39	2685	19.5%	young adults, post-secondary students ,young workers	many first time living on their own, impairment possible, many renting accommodations, many unaware of safety requirements	1000	1000	HIGH	Mitigate Risk
Age 40-64	5165	37.6%	older experienced workers	hard to reach group for education purposes, many own their own homes, impairment possible	1000	1000	HIGH	Mitigate Risk
Age 65-79	2600	18.9%	retirees, many remain in the workforce.	some require assistance, mobility concerns possible, increase in medical responses, cognitive concerns possible, increase dependency on medications	1000	1000	HIGH	Mitigate Risk
Age 80+	555	4.0%	seniors	many dependent on others for various functions, many are living in their own homes, many are slow to react to emergencies, medical responses common, mobility issues common, cognitive impairment common, frailty, medication dependency, hearing and visual impairment common, oxygen and dialysis dependency possible.	1000	1000	HIGH	Mitigate Risk
Total	13,745							

Central Elgin Hazard Profile Work Sheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Data Gathering		Risk				Risk
Identified Hazard	Description	Issues and Concerns	Risk Probability	Risk Consequences	Assigned Risk Level	Risk Treatment
Natural Hazards						
	Drought/Low Water	potential decrease in firefighting water supply, main pressures	100	100	MODERATE	Accept Risk
	Extreme Temperatures - Heat	increase in wildland/grass fires, increased medical responses	100	100	MODERATE	Accept Risk
	Extreme Temperatures - Cold	delayed response, frozen vehicles and equipment, exposed populations	1000	100	MODERATE	Accept Risk
	Flood	increased responses for rescue assistance, obstructed access, special equipment and training required	10000	1000	HIGH	Accept Risk
	Winter Weather	power interruptions, disruptions in communications, delayed access	10000	100	HIGH	Accept Risk
	Infectious Disease/Human Health Emergency, Pandemic	potential increase in medical responses, fire fighter exposure and staffing shortages	1000	10000	HIGH	Mitigate Risk
	Tornado	potential large devastation area, obstructed access, large groups of evacuees	100	1000	MODERATE	Accept Risk
	High Wind	obstructed access, power loss	100	1000	MODERATE	Accept Risk
	Erosion	obstructed access, impeded response	1000	1000	MODERATE	Accept Risk
	Thunderstorm	potential lightning strikes, high winds, slow responses, multiple fires at the same time.	1000	100	HIGH	Accept Risk
Technological Hazards						
	Building/Structure Collapse	special equipment , training required	10	1000	MODERATE	Accept Risk
	Electrical Energy Failure (Supply)	power loss, potential increase in responses	1000	1000	HIGH	Transfer Risk
	Communication/Network system failure	disruption in communications, response delays	1000	1000	HIGH	Transfer Risk
	Explosion/Fire	potential large loss, potential casualties, displaced citizens, potential release of hazardous substances	10000	1000	HIGH	Mitigate Risk
	Chemical/Hazardous Materials Incident/Spills - Fixed Site Incident	specialized equipment , training required, potential for large evacuation	10000	1000	HIGH	Mitigate Risk

Central Elgin Hazard Profile Work Sheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Data Gathering		Risk				Risk
Identified Hazard	Description	Issues and Concerns	Risk Probability	Risk Consequences	Assigned Risk Level	Risk Treatment
	Chemical/Hazardous Materials Incident/Spills - Transportation Incident	specialized equipment , training required, potential for large evacuation, spill containment a concern, environment protection a concern	100	1000	MODERATE	Accept Risk
	Oil/Natural Gas Emergency	emergency supply for emergency services vehicles/structures	100	100	MODERATE	Accept Risk
	Transportation Emergency - Road	specialty equipment needed, hazardous materials possible	10000	100	HIGH	Accept Risk
	Transportation Emergency - Rail	hazardous material possible, delayed access	10	10000	MODERATE	Accept Risk
	Transportation Emergency- Marine	Delayed response, special equipment and training required.	10000	1000	HIGH	Accept Risk
	Transportation Emergency -Aviation	hazardous material possible, delayed access, specialty training and equipment could be	10	1000	MODERATE	Accept Risk
Human-Caused Hazards						
	Cyber Attack	Major disruption of communications, loss of data	1000	1000	HIGH	Transfer Risk
	CBRNE	specialty equipment /training required, possibly evacuation required, possible first responders second target	100	100	MODERATE	Accept Risk
	Active Threat	specialty equipment /training required, possibly evacuation required, possibly first responders second target	10	1000	MODERATE	Accept Risk
	Legacy gas wells	Various locations on private properties, FD to confirm locations, Methane explosion potential and the release of toxic Hydrogen Sulphide. No government program to help cap these wells. Could tie up suppression crews for lengthy periods if explosion occurs. Could cause extensive damage to buildings and threat to life of occupants.	10	10000	MODERATE	Mitigate Risk

Central Elgin Public Safety Response Profile Work Sheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Data Gathering			Additional information
Public Safety Response Agency	Types of Incidents /Services Provided	Location	Issues /Concerns/supporting activities
Police Services			
OPP	Local and Provincial incidents, Crime Prevention, law enforcement, community assistance, communications, information processing, forensics examinations, school resources, special response, public education	42696 John Wise Line, St. Thomas, ON. 519 631-2920. Community Policing 14090 Belmont Rd.	Part of integrated emergency response which includes Fire, EMS, and Police. Trained in IMS, have many partnerships in the community, they have an HQ and 2 community policing hubs in the Region.
RCMP	Federal related incidents	Toronto West Detachment division 2755 Highpoint Drive Milton 2755	RCMP enforces federal law including commercial crimes, counterfeit crimes, narco-trafficking, coordinated criminal activities, boarder integrity, ect.
Paramedic Services			
Medavie EMS Elgin	Primary and advanced care contracted paramedic services, public education	125 Edward Street, St. Thomas Ontario 519- 457-4698	Throughout the Region they have : 50 full time and 50 part time paramedics, 6 ambulance stations in the region (2 in St. Thomas, Aymler, Rodney, Dutton, Port Burwell). The service is part of the Central Elgin integrated emergency response including fire , EMS, and Police Services. The regional service responds to 10,000 calls per year.

Central Elgin Public Safety Response Profile Work Sheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Data Gathering			Additional information
Public Safety Response Agency	Types of Incidents /Services Provided	Location	Issues /Concerns/supporting activities
Fire Services			Core Services include: Public Education programs and community special events such as hall tours, school and vulnerable occupancy visits promoting fire safety to citizens. Inspections and Enforcement , limited plans examination. Emergency Management including maintenance of the Municipality's Emergency Response Plan, ensuring compliance with Emergency Management & civil Protection Act. Emergency Response , hazardous materials response, training, some specialty rescue responses, superior tanker shuttle accreditation. The Department is involved with the Mutual aid system and also Automatic Aid contracts.
Central Egin Fire Rescue	Fire suppression, medical emergencies, motor vehicle accidents, special rescues, chemical incidents, Pub Ed, Fire Prevention, Emergency Management, Fire Investigations	Port Stanley Fire Hall 5120 sunset Drive, Port Stanley	New state of the art station, reliant on part -time, train tracks can slow response, stations doubles as the primary EOC
		Union Fire Hall, 42702 Sparta Line, Union	Older station,Space a concern for expansion.
		Yarmouth Centre Fire Hall, 9538 Yarmouth Centre Road, St. Thomas	Older station, space a concern for expansion.
		Belmont Fire Hall, 206 Caesar Road , Belmont	Older station, space a concern for expansion.
Coast Guard	Coast Guard Auxiliary		Water Related Search and Rescue Responses

Central Elgin Community Service Profile Work Sheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Data Gathering			additional information
Community Service Agency	Types of Assistance They Provide	Location	3 Lines of Defense Supporting Activities, Issues, Concerns
Service Providers			
Rogers, Bell, Eastlink	Media, TV, mobile phone support, internet, broadband	333 Bloor Street East Toronto, Head Office, numerous installations	Emergency response, Public Education
Bell	Phone service, mobile phone, internet, TV, messaging	417 Wellington Street St. Thomas	Emergency Response, Public Education, Fire Investigations
TSSA	Fuel safety investigations/assistance/ code enforcement assistance	Access through call centre 1-887-682-8772	Emergency Response, Public Education, Fire Investigations, inspections
Electrical Safety Authority	Electrical inspections, fire investigation assistance	Access through call centre 1-877-372-7233	Emergency Response, Public Education, Fire inspections, Fire Investigations
Elgin Amateur Radio Society	Emergency communications	Access through club, 38 Taylor Cres. St. Thomas	Emergency Response (Communication assistance)
Emergency Relief Assistance			
Salvation Army	Victim emergency assistance	380 Elm Street St. Thomas	Emergency Response, Public education, Fire Investigations victim assistance
St. John Ambulance	Training, first aid response	30 Burwell Rd, St. Thomas	Emergency Response, Public Education
Victim Services	Victim emergency assistance	45 CASO Crossing , St. Thomas	Emergency Response
Mennonite Disaster Services	Victim emergency assistance	Head Office, 200-600 Shaftsbury Blvd. Winnipeg Manitoba	Emergency Response
Samaritan's Purse	Victim emergency assistance	20 Hopewell Way NE, Calgary, Alberta. 800 663-6500	Emergency Response, Canadian disaster relief

Central Elgin Community Service Profile Work Sheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Data Gathering			additional information
Community Service Agency	Types of Assistance They Provide	Location	3 Lines of Defense Supporting Activities, Issues, Concerns
Canadian Red Cross	Training, victim emergency assistance	Head Office, 5700 Cancross Court, Mississauga	Emergency Response, Public Education, Fire Investigations
St. Thomas City Animal Services Centre	Emergency animal assistance	100 Burwell Road, St. Thomas	Emergency Response involving animal welfare, Inspection assistance if animals involved.
Ontario Works	Shelter Management		

Central Elgin Economic Profile Work Sheet
OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Data Gathering			Risk				Risk
Business Name	Address	Total Employment	Key Risk	Risk Probability	Risk Consequences	Assigned Risk Level	Risk Treatment
Home Hardware	298 Bridge Street		Larger employer, economic impact if lost, important community asset	100	1000	MODERATE	Mitigate Risk
Foodland	291 Colborne Street		Larger employer, economic impact if lost, Important community asset.	100	1000	MODERATE	Mitigate Risk
Port Stanley BIA	40 Westbridge Drive		Larger employer, economic impact if lost, important tourism asset.	100	10000	HIGH	Mitigate Risk
Belmont Farm Supply	14000 Belmont Road		Larger employer, economic impact if lost, fertilizer supplier.	100	10000	HIGH	Mitigate Risk
Freshmart	14091 Belmont Road		Larger employer, economic impact if lost, important community asset	100	1000	MODERATE	Mitigate Risk
Extendicare Port Stanley	4551 East Road		Larger employer, economic impact if lost, large Vulnerable Occupancy facility	100	10000	HIGH	Mitigate Risk
McAsphalt Industries Limited	100 Carlow Rd. Port Stanley		Large Asphalt Cement storage location. Significant environmental impact if involved with a fire or large leak. Close to the waterway.	100	10000	HIGH	Mitigate Risk
Dowler-Karn (McDougal Energy)	43841 Talbot Line		Large bulk propane storage facility and fuel depot.	100	10000	HIGH	Mitigate Risk
Yarmouth Metal	9462 Tower Road		larger employer, welding, crane operations, millrights.	100	1000	MODERATE	Mitigate Risk
Elgin Area Water Systems	43665 Dexter Drive		larger employer, primary water treatment facility for Central Elgin, St. Thomas, London and surrounding areas.	100	1000	MODERATE	Mitigate Risk
Steelway	7825 Springwater Road		Steel Building Manufacturer, larger employer	100	1000	MODERATE	Mitigate Risk
Canandale Nursery	269 Sunset Drive		Large employer, chemicals on site	10	1000	MODERATE	Mitigate Risk
Stan's Marina	246 Colborne Street		gas filling services , large Marina	10	1000	MODERATE	Mitigate Risk

**Central Elgin Top Risks/Issues/Concerns /Preferred Treatments
OFMEM Mandatory Fire/Life Safety Risk Profiles Template**

				3 Lines of Defense consideration			No Action
Mandatory Profiles	Top Risks	Issues or Concerns	Risk Treatment Options	Public Fire Safety Education	Fire Code Inspections and Enforcement	Emergency Response	
1.Geographic Profile	Canadian National Railway	National rail system. CN freight. Rail line can impede response, access issues, special procedures required. Potential for Hazardous materials release into waterways and onto the land. Specialized training and equipment required.	Mitigate Risk			Yes	
	Highways	Specialized equipment and training is required. Safety of first responders is a major concern. A shut down of hwy's pushes traffic issues onto local roads causing impeded response. Major Provincial Hwy, busy regional roads running through Central Elgin. Busy highways/roads, many MVC's, specialized equipment and training required, possibility of hazardous materials spills.	Accept Risk			Yes	
	Lake Erie	Large Great Lake, busy recreational area, commercial fishing area, open water, specialty rescue training and equipment required, accessibility issues. Four major beaches Main Beach, Little Beach, Erie Rest Beach. Many incidents occur at the lake.	Accept Risk			Yes	

**Central Elgin Top Risks/Issues/Concerns /Preferred Treatments
OFMEM Mandatory Fire/Life Safety Risk Profiles Template**

				3 Lines of Defense consideration			No Action
Mandatory Profiles	Top Risks	Issues or Concerns	Risk Treatment Options	Public Fire Safety Education	Fire Code Inspections and Enforcement	Emergency Response	
	Bridges	Bridges can cause delays, access concerns when bridges are blocked or under construction. All bridges listed require maintenance and possible shut- downs to ensure bridge life expectancy of 100 years is realized. Potential release of hazardous products into the water course. Speciality equipment and training required. Possible high angle rescue scenarios exist due to bridge structures. Load restrictions could cause delays.	Accept Risk			Yes	
	St. Thomas Airport	Airport and Direct flight path for regional airports. Possibility of an aviation disaster of a commercial aircraft. Special training and equipment could be required. Wide debris field possible, major life safety risk to citizens in the crash zone. Substantial assistance could be required for Emergency Services.	Mitigate and Accept		Yes	Yes	
2. Building Stock Profile	Institutional Occupancies such as Long term Care Homes, Care homes, vulnerable occupancies.	Most occupants require assistance to evacuate with some occupants being detained which substantially slows evacuation. These facilities usually have lower staff numbers on night shifts. Fires at these occupancies are difficult to manage due to slow evacuation of occupants. Very complex suppression requirements with high number of suppression staff required for working fires. All 3 lines of defense are essential to minimize this risk. Meeting 9.7 retrofit requirements will help reduce the risk.	Mitigate Risk	Yes	Yes	Yes	

**Central Elgin Top Risks/Issues/Concerns /Preferred Treatments
OFMEM Mandatory Fire/Life Safety Risk Profiles Template**

				3 Lines of Defense consideration			No Action
Mandatory Profiles	Top Risks	Issues or Concerns	Risk Treatment Options	Public Fire Safety Education	Fire Code Inspections and Enforcement	Emergency Response	
	Assembly occupancies. Example – halls, restaurants, schools, arenas, library’s etc.	Potential for lightweight construction (trusses), Potential for heavy timber construction, large occupant loads, occupants unfamiliar with surroundings, noise and impairment could slow exiting. Large number of firefighters required if fire gets out of area of origin and spreads. Meeting 9.2 Fire Code Retrofit requirements will reduce risk.	Mitigate Risk		Yes	Yes	
	Residential Occupancies	93% of buildings in Central Elgin are Residential. Residential occupancies have the highest number of fires, and injuries and potential fatalities of all occupancy types. Multi residential buildings including , smaller apartment buildings, rooming and boarding houses, accessory apartments, older building stock, downtown core buildings. Providing sufficient resources to mitigate this risk will reduce total number of structure fires. A robust home inspection program can have a significant impact. Many new homes built with lightweight construction components increasing risk of early collapse. All 3 lines of defense are required to minimize this high fire risk. Following retrofit requirements in the Ontario Fire code 9.5,9.6, 9.8 will help reduce the risk.	Mitigate Risk	Yes	Yes	Yes	

**Central Elgin Top Risks/Issues/Concerns /Preferred Treatments
OFMEM Mandatory Fire/Life Safety Risk Profiles Template**

				3 Lines of Defense consideration			No Action
Mandatory Profiles	Top Risks	Issues or Concerns	Risk Treatment Options	Public Fire Safety Education	Fire Code Inspections and Enforcement	Emergency Response	
	Industrial Occupancies	Hazardous processes are common in industrial buildings. Many have large occupant loads. Many have large amounts of combustible storage and many of the older building stock are unsprinklered. Potential impact to commerce in the area. Possible evacuation of neighbourhoods could occur. Large number of suppression staff required for large working fires. Truss roof systems very common.	Mitigate Risk	Yes	Yes	Yes	
	Truss roofs/lightweight construction	Most building classification types have many buildings that use lightweight construction components such as truss roofs, and light weight floor systems. New construction now requires the buildings to have signs indicating the existence of light weight construction. This is a significant risk to suppression firefighters entering buildings that are involved with fire. A team approach is needed to identify lightweight construction components in existing buildings and to mitigate the risk.	Mitigate Risk		Yes	Yes	
3. Critical Infrastructure Profile	Natural Gas Industry, Enbridge Gas	Large evacuations could result from leaking distribution piping. Ignition sources in areas of leaks often unknown, large leaks during winter months could cause additional responses due to lack of heating in dwelling units especially in the vulnerable population.	Accept Risk			Yes	

**Central Elgin Top Risks/Issues/Concerns /Preferred Treatments
OFMEM Mandatory Fire/Life Safety Risk Profiles Template**

				3 Lines of Defense consideration			No Action
Mandatory Profiles	Top Risks	Issues or Concerns	Risk Treatment Options	Public Fire Safety Education	Fire Code Inspections and Enforcement	Emergency Response	
	Vulnerable Occupancies	Most occupants require assistance to evacuate which substantially slows evacuation. These facilities usually have lower staff numbers on night shifts. A fire at a facility would be difficult to manage due to slow evacuation of occupants. Very complex suppression requirements with high number of suppression staff required for working fires. All 3 lines of defense are essential to minimize this risk. Evacuation Drills and yearly inspections are required by the Fire Service.	Mitigate Risk	Yes	Yes	Yes	
	Propane supplier	Large propane storage facility McDougal Energy 100,000 gallon filling station, plus many propane tank rail cars. Potential risk if involved in a fire.	Mitigate Risk		Yes	Yes	
	Water distribution	A dependable water supply is essential for fire fighting purposes. There has been instances where the Erie supply is out of service and it has been difficult to quickly switch to the water supply line coming from Lake Huron.	Accept Risk				No Action
	911 communication	Loss of radio, mobile or landline communications. Internet failure. Satellite based networks failure. May disrupt critical infrastructure and emergency services. No contact with 911 with potential loss of life or injuries. Possible security system failures. Portable radios are near end of life service.	Accept Risk				No Action
	Schools	Schools are an important resource in the municipality not only for teaching students but for shelter if required in an emergency.	Accept Risk	Yes	Yes	Yes	

**Central Elgin Top Risks/Issues/Concerns /Preferred Treatments
OFMEM Mandatory Fire/Life Safety Risk Profiles Template**

				3 Lines of Defense consideration			No Action
Mandatory Profiles	Top Risks	Issues or Concerns	Risk Treatment Options	Public Fire Safety Education	Fire Code Inspections and Enforcement	Emergency Response	
4. Demographics Profile	64+ years old	This age group of citizens is presently at the greatest risk of fire related fatalities in Ontario. All age groups require ongoing public education to ensure lifelong fire safe habits are established and maintained as they age.	Mitigate Risk	Yes			
	School age children/youths	School programs are essential in the overall fire safety public education strategy to ensure a good base is established for life long fire safe actions.	Mitigate Risk	Yes			
	Young adult group	This group requires reinforcement of past messaging as they begin to live on their own. Innovative programs are necessary to engage this demographic.	Mitigate Risk	Yes			
	Working- age adults	The working adults group has the largest number of citizens in it and it presents one of the most difficult groups to reach with messaging. Innovative programs should be developed and used to reach this large group.	Mitigate Risk	Yes			
5. Hazard Profile	Pandemic	This risk has a potential to increase medical responses and to increase fire fighter exposure. Significant staffing shortages are a real possibility.	Mitigate Risk			Yes	
	Winter Weather	Power interruptions, disruptions in communications, delayed access, frozen equipment all have an impact on response capabilities.	Accept Risk				No Action
	Cyber Attack	The major disruption of communications and the loss of data could have a substantial impact on fire operations and the safety of the responders.	Transfer Risk				No Action

**Central Elgin Top Risks/Issues/Concerns /Preferred Treatments
OFMEM Mandatory Fire/Life Safety Risk Profiles Template**

				3 Lines of Defense consideration			No Action
Mandatory Profiles	Top Risks	Issues or Concerns	Risk Treatment Options	Public Fire Safety Education	Fire Code Inspections and Enforcement	Emergency Response	
	Flood	Floods can increase responses for rescue assistance. Access can be substantially obstructed causing delayed responses. Special equipment and training is required to handle water emergencies.	Accept Risk			Yes	
	Thunderstorms	Potential lightning strikes, high winds, slow responses, multiple fires at the same time.	Accept Risk			Yes	
	Hazardous Materials Incident/Spills - Fixed Site Incident	Specialized equipment , training required, potential for large evacuation. Evacuations possible.	Mitigate Risk		Yes	Yes	
	Electrical energy	Long power outages have the potential to increase the number of responses to medical calls where the citizens rely on electronic equipment to sustain life and to buildings requiring power to maintain various emergency and process equipment safely.	Transfer Risk			Yes	
	Fire and explosion	Concerns for the risk of fires and explosions include: Having enough resources/staffing to have a proactive Fire Prevention and Public Education program to reduce the number of fires and explosions that the department responds to. Having enough trained staff to determine the cause and circumstances of fires. Having sufficient, trained suppression staff to suppress fires in an efficient and safe manner.	Mitigate Risk	Yes	Yes	Yes	
	Transportation Emergency - Road	Specialty equipment and training needed, hazardous materials possible, evacuations possible. Traffic re-routing possible slowing response.	Accept Risk			Yes	

**Central Elgin Top Risks/Issues/Concerns /Preferred Treatments
OFMEM Mandatory Fire/Life Safety Risk Profiles Template**

				3 Lines of Defense consideration			No Action
Mandatory Profiles	Top Risks	Issues or Concerns	Risk Treatment Options	Public Fire Safety Education	Fire Code Inspections and Enforcement	Emergency Response	
	Communication/network failure	Disruption in communications could cause significant response delays and danger for first responders at emergency scenes.	Accept Risk			Yes	
	Transportation Emergency- Marine	Delayed response, special equipment and training required for difficult responses on the water.	Accept Risk			Yes	
6. Public Safety Response Profile	Fire Service	<p>Having sufficient staff, resources and training to respond to the many risks in the Municipality including the potential increase in the number of multi unit residential buildings and industrial occupancies is essential.</p> <p>Having appropriate well placed facilities to minimize response times, and to accommodate staff, vehicles and equipment.</p> <p>Having appropriate facilities to repair and maintain emergency vehicles in a safe and timely manner.</p> <p>Having a robust training program with sufficient and well trained instructors with adequate facilities to keep the crews ready to respond to any emergency. Having a system in place that better screens incoming calls to ensure the fire department only responds to incidents that they are required to attend is important. Having sufficient staff, training, and programs to prevent fires by inspections and enforcement and through Public Education activities to minimize the fire risk is important.</p>	Mitigate Risk	Yes	Yes	Yes	

**Central Elgin Top Risks/Issues/Concerns /Preferred Treatments
OFMEM Mandatory Fire/Life Safety Risk Profiles Template**

				3 Lines of Defense consideration			No Action
Mandatory Profiles	Top Risks	Issues or Concerns	Risk Treatment Options	Public Fire Safety Education	Fire Code Inspections and Enforcement	Emergency Response	
7. Community Services Profile		No immediate major concerns. Central Elgin should continue to build coalitions with community partners to help reduce the number and severity of fires in the Municipality.		Yes			
8. Economic Profile	Larger employers	The top businesses listed in the Economic Profile #8 in Central Elgin would cause an economic impact if they were not able to operate. All three lines of defense should be employed to mitigate this risk to keep these large employers operational.	Mitigate Risk		Yes	Yes	
9. Past Loss Profile	Residential/ Group C type Buildings	Smaller apartment buildings (3-6 units), larger apartment buildings, single family homes, accessory apartments, are the top residential risks. Reducing fires in this group will have the greatest impact on reducing fires in the Municipality. Retrofit inspections and Public Education activities are critical in this occupancy type to reduce the risk.	Mitigate Risk	Yes	Yes	Yes	
	Long Term Care facilities and other vulnerable occupancies	Large potential for loss of life due to the inability of most residents to self-evacuate. All Three lines of defense needed to reduce the potential risk. Provincially mandated mitigation measures already in place.	Mitigate Risk	Yes	Yes	Yes	
	Assembly Occupancies (Schools, halls, restaurants, arenas etc.)	Medium probability of fires however, large property loss potential. Occupants are reliant on fire safety systems to ensure safety and occupants are typically unfamiliar with surroundings and procedures. Very large occupant load potential.	Mitigate Risk		Yes	Yes	

**Central Elgin Top Risks/Issues/Concerns /Preferred Treatments
OFMEM Mandatory Fire/Life Safety Risk Profiles Template**

				3 Lines of Defense consideration			No Action
Mandatory Profiles	Top Risks	Issues or Concerns	Risk Treatment Options	Public Fire Safety Education	Fire Code Inspections and Enforcement	Emergency Response	
	Industrial buildings	Possible chemical storage, community evacuations around the facility, light weight structural components, difficulty fighting fires in larger buildings, large fire load and loss of jobs/economic impact are all contributing factors to this higher potential risk.	Mitigate Risk		Yes	Yes	
	Fire causes	Past fire loss data reflects that the main causes of fires in the Municipality are similar to the main causes of fires in the Province being unsafe cooking practices, careless use of smoking materials, heating equipment, appliance and electrical distribution equipment fires. Two fire causes in Central Elgin that are high on the fire cause list are: Undetermined and Miscellaneous. Education and training of fire investigators and suppression officers could bring these two fire causes down which would help pinpoint the actual fire causes which would help to focus Public Education and Fire Prevention efforts. All 3 lines of defense would have to be used to bring down undetermined causes of fires.	Mitigate Risk	Yes	Yes	Yes	

Municipality of Central Elgin Fire Loss Summary 2018 - 2023

What does Central Elgin's Past Loss Data indicate?

Central Elgin's past loss history provides valuable information on possible trends regarding the number of fires that can be expected, the number of injuries and fatalities due to fire that could occur, the average dollar loss due to fire that can be expected, the causes of fires and the types of occupancies in which fires are most likely to occur and, if sufficient data, the citizens most at risk of a fire rated fatality or injury. With this information, the municipality can determine where mitigation efforts should be focussed, such as using Public Education and Fire Prevention based programs to reduce community fire threats.

The data reflected in this summary was obtained from the Office of the Fire Marshal Standard Incident Reporting (SIR's) for the period 2018-2023. Where available, data from 2024 was also used for the analysis. Reported information for 2024 is for $\frac{3}{4}$ of the year.

Central Elgin's incident history shows:

Total responses/Total Fire Loss

- 780 total responses per year
- 760 non fire calls
- 20 fire calls per year including structure, vehicle, and outdoor fires
- 9 structure fires per year with total average dollar loss due to fire of \$1.8 million per year
- 4 Vehicle fires per year with a total mean average of dollar loss due to fire of \$83,000

Injuries / fatalities Due to Fire

- 1 fire related injury due to fire in a six-year period
- no fatalities due to fire in a six-year period

Types of Occupancies most at risk of having a fire in Central Elgin

- Residential occupancies (Group C building code classification), 77% of all fires, 100% of injuries, 80% of total dollar loss
- Industrial occupancies (Group F), 9% of all loss fires, 9% of total dollar loss
- Structures not classified by the Ontario building code such as sheds, small buildings etc. 8% of all fires, 7% of total dollar loss.
- Central Elgin's data does not indicate that Assembly occupancies (Group A) and Institutional occupancies (Group B) are at risk. However, they should be included as buildings most at risk because a consequence of a fire in a hall, school, large restaurant, theatre, long term care facility, retirement home etc. could be catastrophic in nature.

Most common causes of fires in Central Elgin?

- 3 fires were determined to be intentionally set over the six-year period examined. Average dollar loss of these fires was \$180,000.

- 30 fires were deemed unintentional over the six-year period. Average dollar loss was \$197,000 per fire.

Listed below are the common causes of fires in Central Elgin. These are typical throughout the province. An 'undetermined' fire cause occurs when the fire investigators could not pinpoint a fire cause usually because they weren't able to eliminate possible causes of a fire to only one possibility.

#1 listed fire cause as 'undetermined'

#2 -electrical wiring/ equipment fires

#3- heating equipment

#4- cooking

#4- open flames/smoking materials (same number of fires as #4 cooking)

Citizens most at risk of a fire related injury /fatality

- Central Elgin's data reveals only one fire related injury and no fatalities during the six year data period. No trends or conclusions can be deemed from the data set other than having low injuries rates and no fatalities is ideal for the community.
- Provincial data consistently shows that the most at-risk demographic for a fire fatality is those over 65 years of age.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source

Selected years: 2018;2019;2020;2021;2022;2023

Central Elgin

Summary: Total Emergency calls (fires and non fire calls), including Vehicle fires							
	Total Calls	A. Loss Fire Structure	B. Loss Fire Other	C. Loss Fire Vehicle	D. No loss Fire	E. No loss Fire Excluded	F. Non fire call
2018	700	11	0	4	2	5	678
2019	776	8	2	8	2	2	754
2020	859	11	0	4	2	10	832
2021	813	6	1	0	1	11	794
2022	890	8	1	5	4	11	861
2023	811	9	2	2	1		792
2024	608	8			3		597

2024 summary statistics are based on preliminary information from the Fire Marshal's Office and is subject to change.

2024 shows incidents up to September 30th.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 1

Summary: Total Emergency calls (fires and non fire calls), including Vehicle fires

	Total	A. Loss Fire Structure	B. Loss Fire Other	C. Loss Fire Vehicle	D. No loss Fire	E. No loss Fire EXCLUDED	F. Non fire call
2018	700	11	0	4	2	5	678
2019	776	8	2	8	2	2	754
2020	859	11	0	4	2	10	832
2021	813	6	1	0	1	11	794
2022	890	8	1	5	4	11	861
2023	811	9	2	2	1	5	792

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 2

Table 1: Fires by Property Category		2018	2019	2020	2021	2022	2023
Total	LOSS FIRES	15	18	15	7	14	13
	INJURIES	0	1	0	0	0	0
	FATALITIES	0	0	0	0	0	0
	EST \$ LOSS	\$2,229,550	\$2,353,500	\$1,685,000	\$943,000	\$1,672,000	\$2,027,500
	NOLOSS FIRES	7	4	12	12	15	6
STRUCTURE	LOSS FIRES	11	8	11	6	8	9
	% of Loss fires	73%	44%	73%	86%	57%	69%
	INJURIES	0	1	0	0	0	0
	% of Injuries	0%	100%	0%	0%	0%	0%
	FATALITIES	0	0	0	0	0	0
	% of Fatalities	0%	0%	0%	0%	0%	0%
OUTDOOR	EST \$ LOSS	\$2,212,500	\$1,936,000	\$1,672,500	\$903,000	\$1,448,000	\$2,000,000
	% of Est. \$ Loss	99%	82%	99%	96%	87%	99%
	NOLOSS FIRES	0	1	2	0	3	1
	LOSS FIRES	0	2	0	1	1	2
	% of Loss fires	0%	11%	0%	14%	7%	15%
	INJURIES	0	0	0	0	0	0
STRUCTURE	% of Injuries	0%	0%	0%	0%	0%	0%
	FATALITIES	0	0	0	0	0	0
	% of Fatalities	0%	0%	0%	0%	0%	0%
	EST \$ LOSS	\$0	\$205,000	\$0	\$40,000	\$50,000	\$2,500
	% of Est. \$ Loss	0%	9%	0%	4%	3%	0%
OUTDOOR	NOLOSS FIRES	0	1	0	1	1	0

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 3

		2018	2019	2020	2021	2022	2023
VEHICLE	LOSS FIRES	4	8	4	0	5	2
	% of Loss fires	27%	44%	27%	0%	36%	15%
	INJURIES	0	0	0	0	0	0
	% of Injuries	0%	0%	0%	0%	0%	0%
	FATALITIES	0	0	0	0	0	0
	% of Fatalities	0%	0%	0%	0%	0%	0%
	EST \$ LOSS	\$17,050	\$212,500	\$12,500	\$0	\$174,000	\$25,000
	% of Est. \$ Loss	1%	9%	1%	0%	10%	1%
	NOLOSS FIRES	2	0	0	0	0	0
No Loss outdoor fires EXCLUDED	LOSS FIRES	0	0	0	0	0	0
	% of Loss fires	0%	0%	0%	0%	0%	0%
	INJURIES	0	0	0	0	0	0
	% of Injuries	0%	0%	0%	0%	0%	0%
	FATALITIES	0	0	0	0	0	0
	% of Fatalities	0%	0%	0%	0%	0%	0%
	EST \$ LOSS	\$0	\$0	\$0	\$0	\$0	\$0
	% of Est. \$ Loss	0%	0%	0%	0%	0%	0%
	NOLOSS FIRES	5	2	10	11	11	5

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 4

Table 2: Structure Fires by Property Class			2018	2019	2020	2021	2022	2023
Total	LOSS FIRES		11	8	11	6	8	9
	INJURIES		0	1	0	0	0	0
	FATALITIES		0	0	0	0	0	0
	EST \$ LOSS		\$2,212,500	\$1,936,000	\$1,672,500	\$903,000	\$1,448,000	\$2,000,000
	NOLOSS FIRES		0	1	2	0	3	1
STRUCTURE	Group C Residential	LOSS FIRES	8	5	8	6	6	4
		% of Loss fires	73 %	63 %	73 %	100 %	75 %	44 %
		INJURIES	0	1	0	0	0	0
		% of injuries	0 %	100 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of fatalities	0 %	0 %	0 %	0 %	0 %	0 %
	Group D Business and Personal Services	EST \$ LOSS	\$2,061,500	\$786,000	\$1,292,500	\$903,000	\$1,255,000	\$875,000
		% of Est \$ loss	93 %	41 %	77 %	100 %	87 %	44 %
		NOLOSS FIRES	0	0	2	0	3	0
		LOSS FIRES	1	0	0	0	0	0
		% of Loss fires	9 %	0 %	0 %	0 %	0 %	0 %
		INJURIES	0	0	0	0	0	0
		% of injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of fatalities	0 %	0 %	0 %	0 %	0 %	0 %
		EST \$ LOSS	\$135,000	\$0	\$0	\$0	\$0	\$0
		% of Est \$ loss	6 %	0 %	0 %	0 %	0 %	0 %
		NOLOSS FIRES	0	0	0	0	0	0

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 5

			2018	2019	2020	2021	2022	2023
STRUCTURE	Group E Mercantile	LOSS FIRES	0	0	0	0	0	1
		% of Loss fires	0 %	0 %	0 %	0 %	0 %	11 %
		INJURIES	0	0	0	0	0	0
		% of injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of fatalities	0 %	0 %	0 %	0 %	0 %	0 %
	Group F Industrial	EST \$ LOSS	\$0	\$0	\$0	\$0	\$0	\$10,000
		% of Est \$ loss	0 %	0 %	0 %	0 %	0 %	1 %
		NOLOSS FIRES	0	0	0	0	0	1
		LOSS FIRES	1	2	1	0	0	0
		% of Loss fires	9 %	25 %	9 %	0 %	0 %	0 %
		INJURIES	0	0	0	0	0	0
		% of injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of fatalities	0 %	0 %	0 %	0 %	0 %	0 %
		EST \$ LOSS	\$10,000	\$600,000	\$250,000	\$0	\$0	\$0
		% of Est \$ loss	0 %	31 %	15 %	0 %	0 %	0 %
		NOLOSS FIRES	0	1	0	0	0	0
	Structures/Pro perties not classified by O.B.C.	LOSS FIRES	1	1	2	0	0	1
		% of Loss fires	9 %	13 %	18 %	0 %	0 %	11 %
		INJURIES	0	0	0	0	0	0
		% of injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of fatalities	0 %	0 %	0 %	0 %	0 %	0 %
		EST \$ LOSS	\$6,000	\$550,000	\$130,000	\$0	\$0	\$40,000
		% of Est \$ loss	0 %	28 %	8 %	0 %	0 %	2 %
		NOLOSS FIRES	0	0	0	0	0	0

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 6

			2018	2019	2020	2021	2022	2023
STRUCTURE	Classified under National Farm Building Code	LOSS FIRES	0	0	0	0	2	3
		% of Loss fires	0 %	0 %	0 %	0 %	25 %	33 %
		INJURIES	0	0	0	0	0	0
		% of injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of fatalities	0 %	0 %	0 %	0 %	0 %	0 %
EST \$ LOSS		\$0	\$0	\$0	\$0	\$193,000	\$1,075,000	
% of Est \$ loss		0 %	0 %	0 %	0 %	13 %	54 %	
NOLOSS FIRES		0	0	0	0	0	0	

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 7

Table 3a: Civilian STRUCTURE Fire Injuries and Fire Fatalities by Property Class

		2018	2019	2020	2021	2022	2023
Total	Civilian fire injuries	0	1	0	0	0	0
	Civilian fire fatalities	0	0	0	0	0	0
Group C Residential	Civilian fire injuries	0	1	0	0	0	0
	<i>% of civilian injuries</i>	0 %	100 %	0 %	0 %	0 %	0 %
	Civilian fire fatalities	0	0	0	0	0	0
	<i>% of civilian fatalities</i>	0 %	0 %	0 %	0 %	0 %	0 %
Group D Business and Personal Services	Civilian fire injuries	0	0	0	0	0	0
	<i>% of civilian injuries</i>	0 %	0 %	0 %	0 %	0 %	0 %
	Civilian fire fatalities	0	0	0	0	0	0
	<i>% of civilian fatalities</i>	0 %	0 %	0 %	0 %	0 %	0 %
Group E Mercantile	Civilian fire injuries	0	0	0	0	0	0
	<i>% of civilian injuries</i>	0 %	0 %	0 %	0 %	0 %	0 %
	Civilian fire fatalities	0	0	0	0	0	0
	<i>% of civilian fatalities</i>	0 %	0 %	0 %	0 %	0 %	0 %
Group F Industrial	Civilian fire injuries	0	0	0	0	0	0
	<i>% of civilian injuries</i>	0 %	0 %	0 %	0 %	0 %	0 %
	Civilian fire fatalities	0	0	0	0	0	0
	<i>% of civilian fatalities</i>	0 %	0 %	0 %	0 %	0 %	0 %
Structures/Properties not classified by O.B.C.	Civilian fire injuries	0	0	0	0	0	0
	<i>% of civilian injuries</i>	0 %	0 %	0 %	0 %	0 %	0 %
	Civilian fire fatalities	0	0	0	0	0	0
	<i>% of civilian fatalities</i>	0 %	0 %	0 %	0 %	0 %	0 %
Classified under National Farm Building Code	Civilian fire injuries	0	0	0	0	0	0
	<i>% of civilian injuries</i>	0 %	0 %	0 %	0 %	0 %	0 %
	Civilian fire fatalities	0	0	0	0	0	0
	<i>% of civilian fatalities</i>	0 %	0 %	0 %	0 %	0 %	0 %

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source

Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 8

Table 3b: Firefighter Injuries and Fatalities by STRUCTURE Property Class

		2018	2019	2020	2021	2022	2023
Total	Firefighter injuries	0	0	0	0	0	0
	Firefighter fatalities	0	0	0	0	0	0
Group C Residential	Firefighter injuries	0	0	0	0	0	0
	<i>% of FF injuries</i>	0%	0%	0%	0%	0%	0%
	Firefighter fatalities	0	0	0	0	0	0
	<i>% of FF fatalities</i>	0%	0%	0%	0%	0%	0%
Group D Business and Personal Services	Firefighter injuries	0	0	0	0	0	0
	<i>% of FF injuries</i>	0%	0%	0%	0%	0%	0%
	Firefighter fatalities	0	0	0	0	0	0
	<i>% of FF fatalities</i>	0%	0%	0%	0%	0%	0%
Group E Mercantile	Firefighter injuries	0	0	0	0	0	0
	<i>% of FF injuries</i>	0%	0%	0%	0%	0%	0%
	Firefighter fatalities	0	0	0	0	0	0
	<i>% of FF fatalities</i>	0%	0%	0%	0%	0%	0%
Group F Industrial	Firefighter injuries	0	0	0	0	0	0
	<i>% of FF injuries</i>	0%	0%	0%	0%	0%	0%
	Firefighter fatalities	0	0	0	0	0	0
	<i>% of FF fatalities</i>	0%	0%	0%	0%	0%	0%
Structures/Properties not classified by O.B.C.	Firefighter injuries	0	0	0	0	0	0
	<i>% of FF injuries</i>	0%	0%	0%	0%	0%	0%
	Firefighter fatalities	0	0	0	0	0	0
	<i>% of FF fatalities</i>	0%	0%	0%	0%	0%	0%
Classified under National Farm Building Code	Firefighter injuries	0	0	0	0	0	0
	<i>% of FF injuries</i>	0%	0%	0%	0%	0%	0%
	Firefighter fatalities	0	0	0	0	0	0
	<i>% of FF fatalities</i>	0%	0%	0%	0%	0%	0%

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source

Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 9

Table 4: Structure Fires by Possible Cause

Table 4: Structure Fires by Possible Cause			2018	2019	2020	2021	2022	2023	
STRUCTURE	Total		LOSS FIRES	11	8	11	6	8	9
			INJURIES	0	1	0	0	0	0
			FATALITIES	0	0	0	0	0	0
			EST \$ LOSS	\$2,212,500	\$1,936,000	\$1,672,500	\$903,000	\$1,448,000	\$2,000,000
			NOLOSS FIRES	0	1	2	0	3	1
	Intentional	Total	LOSS FIRES	0	0	2	1	0	1
			% of Loss fires	0 %	0 %	18 %	17 %	0 %	11 %
			INJURIES	0	0	0	0	0	0
			% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
			FATALITIES	0	0	0	0	0	0
			% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
			EST \$ LOSS	\$0	\$0	\$260,000	\$100,000	\$0	\$10,000
		% of Est \$ loss	0 %	0 %	16 %	11 %	0 %	1 %	
		NOLOSS FIRES	0	0	0	0	0	0	
		Arson	LOSS FIRES	0	0	2	1	0	1
			% of Loss fires	0 %	0 %	18 %	17 %	0 %	11 %
			INJURIES	0	0	0	0	0	0
			% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
			FATALITIES	0	0	0	0	0	0
			% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
			EST \$ LOSS	\$0	\$0	\$260,000	\$100,000	\$0	\$10,000
			% of Est \$ loss	0 %	0 %	16 %	11 %	0 %	1 %
			NOLOSS FIRES	0	0	0	0	0	0

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 10

				2018	2019	2020	2021	2022	2023
STRUCTURE	Unintentional	Total	LOSS FIRES	8	6	8	3	5	6
			% of Loss fires	73 %	75 %	73 %	50 %	63 %	67 %
			INJURIES	0	1	0	0	0	0
			% of Injuries	0 %	100 %	0 %	0 %	0 %	0 %
			FATALITIES	0	0	0	0	0	0
			% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
			EST \$ LOSS	\$1,627,500	\$1,605,000	\$1,407,500	\$402,000	\$863,000	\$1,675,000
			% of Est \$ loss	74 %	83 %	84 %	45 %	60 %	84 %
		NOLOSS FIRES	0	1	1	0	3	1	
		Design/Const ruction/Maint enance deficiency	LOSS FIRES	1	1	1	1	0	5
			% of Loss fires	9 %	13 %	9 %	17 %	0 %	56 %
			INJURIES	0	1	0	0	0	0
			% of Injuries	0 %	100 %	0 %	0 %	0 %	0 %
			FATALITIES	0	0	0	0	0	0
			% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
			EST \$ LOSS	\$10,000	\$400,000	\$125,000	\$1,000	\$0	\$1,175,000
			% of Est \$ loss	0 %	21 %	7 %	0 %	0 %	59 %
		NOLOSS FIRES	0	0	0	0	2	1	
		Mechanical/EI ectrical Failure	LOSS FIRES	4	4	5	1	3	0
			% of Loss fires	36 %	50 %	45 %	17 %	38 %	0 %
			INJURIES	0	0	0	0	0	0
			% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
			FATALITIES	0	0	0	0	0	0
			% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
			EST \$ LOSS	\$1,591,500	\$1,125,000	\$927,500	\$1,000	\$553,000	\$0
			% of Est \$ loss	72 %	58 %	55 %	0 %	38 %	0 %
		NOLOSS FIRES	0	0	0	0	0	0	

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. NOLOSS fires: fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 11

				2018	2019	2020	2021	2022	2023
STRUCTURE	Unintentional	Misuse of ignition source/material first ignited	LOSS FIRES	1	1	2	1	1	0
			% of Loss fires	9 %	13 %	18 %	17 %	13 %	0 %
			INJURIES	0	0	0	0	0	0
			% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
			FATALITIES	0	0	0	0	0	0
			% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
			EST \$ LOSS	\$10,000	\$80,000	\$355,000	\$400,000	\$250,000	\$0
			% of Est \$ loss	0 %	4 %	21 %	44 %	17 %	0 %
			NOLOSS FIRES	0	1	1	0	0	0
		Other Unintentional	LOSS FIRES	1	0	0	0	0	1
			% of Loss fires	9 %	0 %	0 %	0 %	0 %	11 %
			INJURIES	0	0	0	0	0	0
			% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
			FATALITIES	0	0	0	0	0	0
			% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
		Undetermined	EST \$ LOSS	\$10,000	\$0	\$0	\$0	\$0	\$500,000
			% of Est \$ loss	0 %	0 %	0 %	0 %	0 %	25 %
			NOLOSS FIRES	0	0	0	0	1	0
			LOSS FIRES	1	0	0	0	1	0
			% of Loss fires	9 %	0 %	0 %	0 %	13 %	0 %
			INJURIES	0	0	0	0	0	0
			% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
			FATALITIES	0	0	0	0	0	0
			% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
			EST \$ LOSS	\$6,000	\$0	\$0	\$0	\$60,000	\$0
			% of Est \$ loss	0 %	0 %	0 %	0 %	4 %	0 %
			NOLOSS FIRES	0	0	0	0	0	0

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source

Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 12

				2018	2019	2020	2021	2022	2023
STRUCTURE	Other	Total	LOSS FIRES	0	2	1	1	0	2
			% of Loss fires	0 %	25 %	9 %	17 %	0 %	22 %
			INJURIES	0	0	0	0	0	0
			% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
			FATALITIES	0	0	0	0	0	0
			% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
			EST \$ LOSS	\$0	\$331,000	\$5,000	\$400,000	\$0	\$315,000
			% of Est \$ loss	0 %	17 %	0 %	44 %	0 %	16 %
			NOLOSS FIRES	0	0	1	0	0	0
		Other	LOSS FIRES	0	2	1	1	0	2
			% of Loss fires	0 %	25 %	9 %	17 %	0 %	22 %
			INJURIES	0	0	0	0	0	0
			% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
			FATALITIES	0	0	0	0	0	0
			% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
			EST \$ LOSS	\$0	\$331,000	\$5,000	\$400,000	\$0	\$315,000
			% of Est \$ loss	0 %	17 %	0 %	44 %	0 %	16 %
			NOLOSS FIRES	0	0	1	0	0	0
	Undetermined	Total	LOSS FIRES	3	0	0	1	3	0
			% of Loss fires	27 %	0 %	0 %	17 %	38 %	0 %
			INJURIES	0	0	0	0	0	0
			% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
			FATALITIES	0	0	0	0	0	0
			% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
			EST \$ LOSS	\$585,000	\$0	\$0	\$1,000	\$585,000	\$0
			% of Est \$ loss	26 %	0 %	0 %	0 %	40 %	0 %
			NOLOSS FIRES	0	0	0	0	0	0

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 13

				2018	2019	2020	2021	2022	2023
STRUCTURE	Undetermined	Undetermined	LOSS FIRES	3	0	0	1	3	0
			% of Loss fires	27 %	0 %	0 %	17 %	38 %	0 %
			INJURIES	0	0	0	0	0	0
			% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
			FATALITIES	0	0	0	0	0	0
			% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
			EST \$ LOSS	\$585,000	\$0	\$0	\$1,000	\$585,000	\$0
			% of Est \$ loss	26 %	0 %	0 %	0 %	40 %	0 %
			NOLOSS FIRES	0	0	0	0	0	0

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 14

Table 5: Structure Fires by Ignition source class

			2018	2019	2020	2021	2022	2023
STRUCTURE	Total	LOSS FIRES	11	8	11	6	8	9
		INJURIES	0	1	0	0	0	0
		FATALITIES	0	0	0	0	0	0
		EST \$ LOSS	\$2,212,500	\$1,936,000	\$1,672,500	\$903,000	\$1,448,000	\$2,000,000
		NOLOSS FIRES	0	1	2	0	3	1
	Cooking equipment	LOSS FIRES	1	0	1	1	0	0
		% of Loss fires	9 %	0 %	9 %	17 %	0 %	0 %
		INJURIES	0	0	0	0	0	0
		% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
		EST \$ LOSS	\$10,000	\$0	\$5,000	\$400,000	\$0	\$0
		% of Est \$ loss	0 %	0 %	0 %	44 %	0 %	0 %
		NOLOSS FIRES	0	0	0	0	0	1
	Electrical distribution equipment	LOSS FIRES	2	3	2	1	2	1
		% of Loss fires	18 %	38 %	18 %	17 %	25 %	11 %
		INJURIES	0	0	0	0	0	0
		% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
		EST \$ LOSS	\$191,500	\$575,000	\$850,000	\$1,000	\$533,000	\$300,000
		% of Est \$ loss	9 %	30 %	51 %	0 %	37 %	15 %
		NOLOSS FIRES	0	0	0	0	0	0

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 15

			2018	2019	2020	2021	2022	2023
STRUCTURE	Heating equipment, chimney etc.	LOSS FIRES	1	2	3	1	0	2
		% of Loss fires	9 %	25 %	27 %	17 %	0 %	22 %
		INJURIES	0	1	0	0	0	0
		% of Injuries	0 %	100 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
	Lighting equipment	EST \$ LOSS	\$135,000	\$950,000	\$480,000	\$1,000	\$0	\$325,000
		% of Est \$ loss	6 %	49 %	29 %	0 %	0 %	16 %
		NOLOSS FIRES	0	0	0	0	3	0
		LOSS FIRES	0	0	0	0	0	1
		% of Loss fires	0 %	0 %	0 %	0 %	0 %	11 %
		INJURIES	0	0	0	0	0	0
		% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
	Open flame tools, smokers' articles	EST \$ LOSS	\$0	\$0	\$0	\$0	\$0	\$200,000
		% of Est \$ loss	0 %	0 %	0 %	0 %	0 %	10 %
		NOLOSS FIRES	0	0	0	0	0	0
		LOSS FIRES	0	1	2	0	0	1
		% of Loss fires	0 %	13 %	18 %	0 %	0 %	11 %
		INJURIES	0	0	0	0	0	0
		% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
		EST \$ LOSS	\$0	\$80,000	\$260,000	\$0	\$0	\$10,000
		% of Est \$ loss	0 %	4 %	16 %	0 %	0 %	1 %
		NOLOSS FIRES	0	1	0	0	0	0

Note: Civilian and Fire Fighter injuries are reported for fires. Non fire injuries are reported for Fire Fighters only.

Percentage figures are rounded to the nearest 1 percent, 0% indicates that the percentage is less than 1.

LOSS fires: fires with a report of injury, fatality or \$loss damage. **NOLOSS fires:** fires with \$0 loss damage and 0 injury and 0 fatality reported.

Noloss fires Excluded: (OFM response code 3) fires occurring outdoors only with \$0 loss and 0 injury/fatality that did NOT occur in dump/recycling and NOT caused by arson, vandalism or children playing.

Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 16

			2018	2019	2020	2021	2022	2023
STRUCTURE	Other electrical, mechanical	LOSS FIRES	1	0	1	0	2	1
		% of Loss fires	9 %	0 %	9 %	0 %	25 %	11 %
		INJURIES	0	0	0	0	0	0
		% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
	Processing equipment	EST \$ LOSS	\$800,000	\$0	\$7,500	\$0	\$25,000	\$350,000
		% of Est \$ loss	36 %	0 %	0 %	0 %	2 %	18 %
		NOLOSS FIRES	0	0	0	0	0	0
		LOSS FIRES	1	0	0	0	0	0
		% of Loss fires	9 %	0 %	0 %	0 %	0 %	0 %
		INJURIES	0	0	0	0	0	0
		% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
	Miscellaneous	EST \$ LOSS	\$10,000	\$0	\$0	\$0	\$0	\$0
		% of Est \$ loss	0 %	0 %	0 %	0 %	0 %	0 %
		NOLOSS FIRES	0	0	0	0	0	0
		LOSS FIRES	0	2	0	1	0	3
		% of Loss fires	0 %	25 %	0 %	17 %	0 %	33 %
		INJURIES	0	0	0	0	0	0
		% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
		EST \$ LOSS	\$0	\$331,000	\$0	\$400,000	\$0	\$815,000
		% of Est \$ loss	0 %	17 %	0 %	44 %	0 %	41 %
		NOLOSS FIRES	0	0	1	0	0	0

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Municipal Fires: Overview Property Class, Injuries, Cause, Ignition source



Central Elgin

Selected years: 2018;2019;2020;2021;2022;2023

Tables 2 to 5 report on STRUCTURE FIRES only, see Table 1 for the number of vehicle and outdoor fires.

10-Jan-2025

Page: 17

			2018	2019	2020	2021	2022	2023
STRUCTURE	Exposure	LOSS FIRES	0	0	1	0	0	0
		% of Loss fires	0 %	0 %	9 %	0 %	0 %	0 %
		INJURIES	0	0	0	0	0	0
		% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
		EST \$ LOSS	\$0	\$0	\$5,000	\$0	\$0	\$0
		% of Est \$ loss	0 %	0 %	0 %	0 %	0 %	0 %
		NOLOSS FIRES	0	0	1	0	0	0
	Undetermined	LOSS FIRES	5	0	1	2	4	0
		% of Loss fires	45 %	0 %	9 %	33 %	50 %	0 %
		INJURIES	0	0	0	0	0	0
		% of Injuries	0 %	0 %	0 %	0 %	0 %	0 %
		FATALITIES	0	0	0	0	0	0
		% of Fatalities	0 %	0 %	0 %	0 %	0 %	0 %
		EST \$ LOSS	\$1,066,000	\$0	\$65,000	\$101,000	\$890,000	\$0
		% of Est \$ loss	48 %	0 %	4 %	11 %	61 %	0 %
		NOLOSS FIRES	0	0	0	0	0	0

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OFMEM Mandatory Fire/Life Safety Risk Profiles Template

Probability Levels		
1	Rare -may occur in exceptional circumstances	1
10	Unlikely-no instances in the last 15 years	10
100	Possible-1 incident in past 5 years	100
1000	Likely -multiple incidents in past five years	1000
10000	Almost Certain-multiple incidents in the past year	10000

Consequence Levels

insignificant -no life safety, limited dollar loss, no local economic impact, no effect on general living conditions

1

minor -potential risk to life safety of occupants, minor property loss, minimal disruption to business activity,

10 minimal impact on general living conditions

moderate-threat to life safety of occupants, moderate property loss, poses a threat to small local business, could

100 pose threat to the quality of the environment.

major- potential for a large loss of life, significant property loss, significant threat to large business, short term

100 partial evacuation possible

catastrophic- significant loss of life, multiple property damage to sig. portion of municipality, long term business

10000 disruption, environmental damage that would be long term.

Risk Treatment Options

Avoid Risk

Mitigate Risk

Accept Risk

Transfer Risk

Avoid and Accept

Mitigate and Accept

Transfer and Accept

3 lines of defense allocation

Yes

Pub. Ed.

Inspections

Response

Pub Ed,Insp,Response

Pub Ed,Insp

Pub Ed, Response

Insp,response