

EXECUTIVE SUMMARY

This report aims to provide the City of Greater Sudbury Emergency Services Committee with an update on good news stories and relevant statistics as well as recent business activities within the Fire Services Division of the Community Safety Department.

Fire Services is responsible for delivering proactive public safety and response programs to prevent emergencies wherever possible and to preserve and enhance life, property, and the environment where response is required.

Key Performance Indicators

Major Fire Loss Incidents January 1, 2020 – December 31, 2020		
Date	Location	Estimated Loss
Friday, January 17, 2020	411 Black Lake Road, Lively	\$125,000
Saturday, February 8, 2020	483 Notre Dame Avenue W, Azilda	\$105,000
Thursday, February 13, 2020	161 Frenchmen Lake Road S, Hanmer	\$850,000
Friday, February 14, 2020	43 Power Street, Sudbury	\$140,000
Monday, March 16, 2020	1247 Jeanne D'arc Street, Hanmer	\$380,000
Thursday, April 16, 2020	300 Christa Street, Hanmer	\$140,000
Tuesday, April 28, 2020	89 Riverside Drive, Sudbury	\$130,000
Monday, May 25, 2020	2078 Highgate Road, Sudbury	\$220,000
Sunday, June 14, 2020	98 Beech Street, Sudbury	\$227,000
Tuesday, June 23, 2020	3023 Menard Street, Blezzard Valley	\$325,000
Wednesday, July 1, 2020	4198 Lillian Street, Val Therese	\$629, 000
Sunday, July 5, 2020	62 Anna Street, Chelmsford	\$250, 000
Friday, July 24, 2020	35 Moreau Avenue, Garson	\$400, 000
Monday, August 10, 2020	487 Michael's South Shore Road, Dowling	\$165, 000

Friday, August 18, 2020	704 Finni Road, Wahnapiatae	\$ 230,000
Wednesday, August 30, 2020	160 St Joseph Street, Sudbury	\$130,000
Tuesday, September 1, 2020	4227 Addy Crescent, Hanmer	\$301,000
Tuesday, September 8, 2020	343 Sandra Boulevard, Sudbury	\$230,000
Tuesday, September 22, 2020	356 Anthony Street, Sudbury	\$2,400,000
Friday, September 25, 2020	111 Larch Street, Sudbury	\$120,000
Friday, October 16, 2020	Maley Drive Quarry, Sudbury	\$1,005,000
Monday, October 19, 2020	249 Finnwoods Road, Lively	\$461,000
Monday, November 2, 2020	248 King Street, Sudbury	\$900,000
Sunday, November 8, 2020	489 Monique Street, Chelmsford	\$225,000
Friday, November 13, 2020	Highway 17 East & Turnarounds, Whitefish	\$120,000
Sunday, December 1, 2020	285 Cote Avenue, Chelmsford	\$145,000

Data Source: Fire House

Incident Type	Jan 1 – Dec 31, 2020	Jan 1 – Dec 31, 2019
Fires	314	288
Fire Alarms	1,020	1,141
Vehicle Collisions	499	689
Open Air Burning Response	426	207
Medical Assistance	681	955
Other Incidents (assisting other agencies, no incident found on arrival, etc.)	1,044	1,396
Total	3,984*	4,676
TOTAL Estimated Loss for Fires	\$ 13,087,292	\$ 11,678,292

Data Source: Fire House

***2020 call volumes are reduced due to COVID lockdown including altered service level in Medical Tiered Response to preserve PPE**

Public Fire Safety Education/Fire Prevention

Fire Inspections

The Fire Prevention Section was able to maintain the mandated inspections of complaints, requests, and Vulnerable Occupancies throughout the Covid-19 pandemic, conducting over 1,100 building fire inspections.

Fire Prevention experienced an increase in request inspections pertaining to real estate purposes over the last few months of the year.

The Vulnerable Occupancy mandated inspections were able to be completed through alternative measures with direction from the Fire Marshal's Office. The Vulnerable Occupancies provided Fire Prevention Officers with all fire and life safety records as well as a completed inspection checklist to ensure the buildings were being maintained as per the Ontario Fire Code. An electronic checklist was introduced in 2020 as a resource to the Fire Prevention Officers, which has provided a consistent approach to building fire safety inspections.

The Plans Examiner continued to work in collaboration with City of Greater Sudbury Building and Planning Departments by reviewing building permit drawings and attending Site Plan Approval Review Team (SPART) meetings. This provides assurance that fire and life safety systems are properly constructed and installed during new construction as per the Ontario Building Code.

Public Education

The Public Safety Officers have experienced a shift of how they are able to provide fire and life safety information to the citizens of Greater Sudbury throughout the majority of 2020.

Traditional face-to-face presentations have been replaced with virtual presentations. Public Safety Officers have risen to the occasion by providing the community with new relevant fire safety commercials, You Tube videos, and other social media platforms.

It was identified that there has been an increase in kitchen fires both locally and provincially during the Covid-19 pandemic. Fire Prevention Week messaging focused on fire safety in the kitchen, which could be seen through our commercials that aired on local television channels.

Additional commercials and public safety announcements (PSA) specific to Carbon Monoxide safety were developed and aired during Carbon Monoxide Week to bring attention to the hazards associated with Carbon Monoxide.

A special thank you to our community partners of First General and MCTV for working in collaboration with Fire Safety Officers to get these important fire and life safety messages out to the community.

Public Safety Officers are diligently working to update all our fire and life safety programs by developing and implementing lesson plans for all presentations and programs. This will provide all Greater Sudbury Fire Services staff members with the ability and confidence to provide fire

safety presentations to the public with the assurance they are providing the most appropriate fire safety information.

Fire Fleet/Logistics

2020 Capital Purchases

The purchase of the new ladder truck, three new engines, and two new tanker trucks will provide Fire Services with the next step in the standardization of apparatus and equipment.

- Two new tanker trucks are in service at station 17 Hanmer, and station 6 Waters (January 2020).
- Took delivery and distributed second set of bunker gear for Career Firefighters.
- Took delivery of Ladder Truck. It has not been deployed as training on the trucks must be completed (December 2020). The addition of the new Ladder Truck will assist Fire Services in the future to reduce the number of required Ladder Trucks to two.
- Took delivery of two tanker trucks. They have not been deployed as training on the trucks must be completed (December 2020). New Tankers will be assigned to station 4 Long Lake and station 24 Wahnapiatae.
- Took delivery of new Rescue Boat. It has not been deployed as training must be completed (November 2020).
- Three new Engines are in the building process and are anticipated to be delivered by the fourth quarter of 2021.

Annual Testing

Annual inspections, testing, and maintenance are mandated through a number of different pieces of legislation being Ontario Building Code, Ontario Fire Code, and National Fire Protection Association. The annual requirements ensure that our buildings, tools, and equipment are operating correctly and will ensure they will function as intended in the event of an emergency.

The following are the annual testing, inspections, and maintenance processes that were conducted throughout 2020 to Fire Services buildings, tools, equipment, and personal protective equipment.

- Annual bunker gear testing for Career and Volunteer Firefighters.
- Electrical Safety Authority (ESA) inspections of all stations completed.
- Annual ground ladder testing completed.
- Draeger Fire Ground Simulator inspected and ready for the 2021 training curriculum.
- Self-Contained Breathing Apparatus (SCBA) compressor inspections and certification.
- Self-Contained Breathing Apparatus (SCBA) annual flow testing, and hydrostatic cylinder testing.
- Backup Generator annual inspection at all stations completed.
- Nitrogen Dioxide (No2) and Carbon Monoxide (Co2) monitors inspected at all stations.
- Inspection and annual testing of fire extinguishers and emergency lighting at all stations.
- Aerial Ladder testing conducted.

Buildings

- Installation of capture at the source exhaust system (Nederman) in progress at all Career stations. The Nederman system will allow the diesel fumes to be captured directly from the exhaust pipe, removing all fumes from the building providing all employees with a clean and safe breathing environment. The Nederman system will assist in reducing the amount of carcinogens that our firefighters are exposed to within the station.
- Capital project at Van Horne station near completion. Replacement of the HVAC system will provide the building with additional number of air exchanges to improve air quality.
- Inspection and cleaning of ducts at Van Horne. Cleaning of the ducts was completed to reduce the amount of particulates in the air that firefighters are exposed to. This is essential as firefighters may spend long durations in the station while working a 24 hour shift.

Health and Safety

- Replaced all mattresses and linens at all Career stations to replace aging, non-commercial grade mattresses and ensure maximum cleanliness of mattresses due to Covid-19. Each firefighter has been assigned a new set of linens and is responsible for ensuring that they are laundered after each shift.
- Installed Plexiglas barriers in sleeping quarters at all Career stations. Plexiglas was installed around each bed to adhere to Covid-19 distancing protocols and to allow firefighters to remove their masks while sleeping.
- Purchase of KN-95 and N-95 masks. Masks were purchased for firefighters so they can address situations where they may have to come into close contact with respiratory aerosols generated by a member of the public and are not able to maintain recommended social distances due to Covid-19.
- Purchase of Oxivir disinfectant. Oxivir disinfectant allows firefighters to be able to disinfect fire apparatus touch points such as door handles, steering wheels, tools, equipment, and PPE which allows them to return to service without delay.
- Purchase Scott SCBA adapters and filters. Have not been distributed as training must be completed. The SCOTT facepiece is the approved Personal Protective Equipment for both structural firefighting and now N-95 protection, saving the costs of additional face shields, safety glasses, 3M N95 disposable masks, while offering the firefighters with maximum protection at a lower cost during Covid-19. These filter adapters will allow the firefighters to wear a complete SCBA mask without the need for an SCBA pack and a heavy air cylinder.

Training

Firefighter Recruitment

A Career Firefighter Recruit Academy commenced on September 14, 2020 with the graduation taking place on November 12, 2020. Eight Firefighters were successful in completing the recruitment and training and joined the ranks of Career Firefighters. The academy represents 450 hours of hands-on training with the addition of 180 hours both LMS and self-directed over a duration of nine weeks.

A Volunteer Firefighter recruitment was not completed in 2020. Fire Services is currently in the planning stage for a Volunteer Firefighter recruitment and training to be completed in 2021, once it is determined how we can move forward with a recruitment during the Covid-19 pandemic. Fire Services is currently working to update the volunteer recruitment process and to provide more transparency and expectations of the role of a Volunteer Firefighters within the community. Road to Mental Readiness (R2MR), a mental wellness peer developed program, has been delivered at the firefighter level to all Volunteer Firefighters. The program will be delivered to all Career Firefighters in 2021. Select Volunteer Firefighters in the three Medical-Tiered volunteer stations received Emergency First Response training in 2020. Additional Firefighters in these three stations were also planned to receive this training, however, training was cancelled due to Covid-19.

Technical Training

Rope rescue and water rescue training was completed in 2020 for the Firefighters in the applicable stations. This training will be done annually due to the station selection process. A partnership with Dynamic Earth was formed for the rope rescue training to be performed in the five-story mine shaft at their location. This training allows us to perform skills development in the winter months.

Haz-Mat training and testing began in 2020. All Career Firefighters completed testing on Haz-Mat knowledge for operations and mission specific levels of response. This training program will progress into skills development in 2021.