



Barrie Fire and Emergency Service



Annual Report

2021

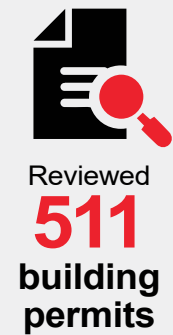
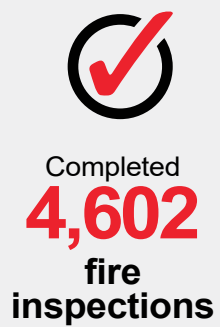
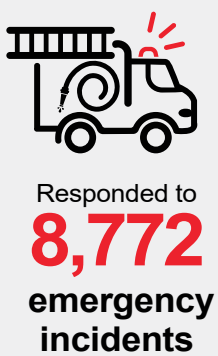
PREVENTION | DETECTION | ESCAPE



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2021 Highlights



Message from the CAO

I congratulate Barrie Fire and Emergency Service (BFES) on its tireless work protecting our community this past year.

Throughout 2021, we experienced unique challenges in our community. While the pandemic continued to impact the way emergency services were delivered, there were also major emergency events, including a devastating EF-2 tornado that touched down in our city in July. BFES' response during this emergency— their extraordinary leadership, coordination and teamwork— is one of the many reasons I am so proud of this dedicated group.

2021 had much to celebrate, too. BFES signed the agreement to provide 24/7 emergency call-taking and dispatching for the City of Markham, the addition of which means the BFES Communications Branch now serves 21 municipalities, including Barrie. With BFES being one of the most respected fire services in Ontario, the fact that the City of Markham chose BFES to take on such a critical role is a testament to the outstanding expertise of the BFES team.

We are fortunate to have such a strong service of incredible individuals who we rely upon to put their lives on the line every day to protect our families, our neighbourhoods and our businesses. I am extremely proud, and grateful, of the service the BFES team displays each day to keep our community safe.

CAO Michael Prowse

Message from the Fire Chief

On behalf of Barrie Fire and Emergency Service, I am proud to present our 2021 Annual Report. Each day our dedicated team of fire service professionals deliver exceptional fire protection services to our growing and evolving community at the council mandated level of service our residents deserve.

BFES is an open and transparent organization committed to making evidence-based decisions supported by the collection and analysis of local data and information. Embracing a philosophy of continuous improvement, our team is committed to building on our successes by looking for opportunities to further enhance the service we provide to our community.

This report highlights the tremendous work of our staff and a comprehensive analysis of the professional services we provide to our residents. In addition, a thorough and detailed analysis of our operations and proactive fire protection model are provided.

In 2021, our dedicated team of fire service professionals embraced new opportunities to support public safety initiatives during a global pandemic. Our BFES team was able to support our local health unit providing medical standby services during the delivery of thousands of Covid-19 vaccinations to our community. Additionally, our team was proud to be one of the very few departments approved to deliver vaccinations to our City of Barrie colleagues and community.

Our BFES team responded to and lead the initial multi-agency emergency response to the significant tornado event that damaged and destroyed homes across a large area in southeast Barrie. BFES continues to focus our efforts on fire prevention strategies and launched our new Community Assessment for Risk Reduction Program [CARR] in 2021. This new initiative utilizes our operations team members to complete proactive fire inspections that will reduce the frequency and severity of fire incidents in a wide variety of occupancies across the city.

I want to personally acknowledge every member of our team for their competent and compassionate service to the City of Barrie. Together we will continue to build on our knowledge and experience, rise above challenges, and provide exceptional public safety and customer service to our community.

Fire Chief Cory Mainprize



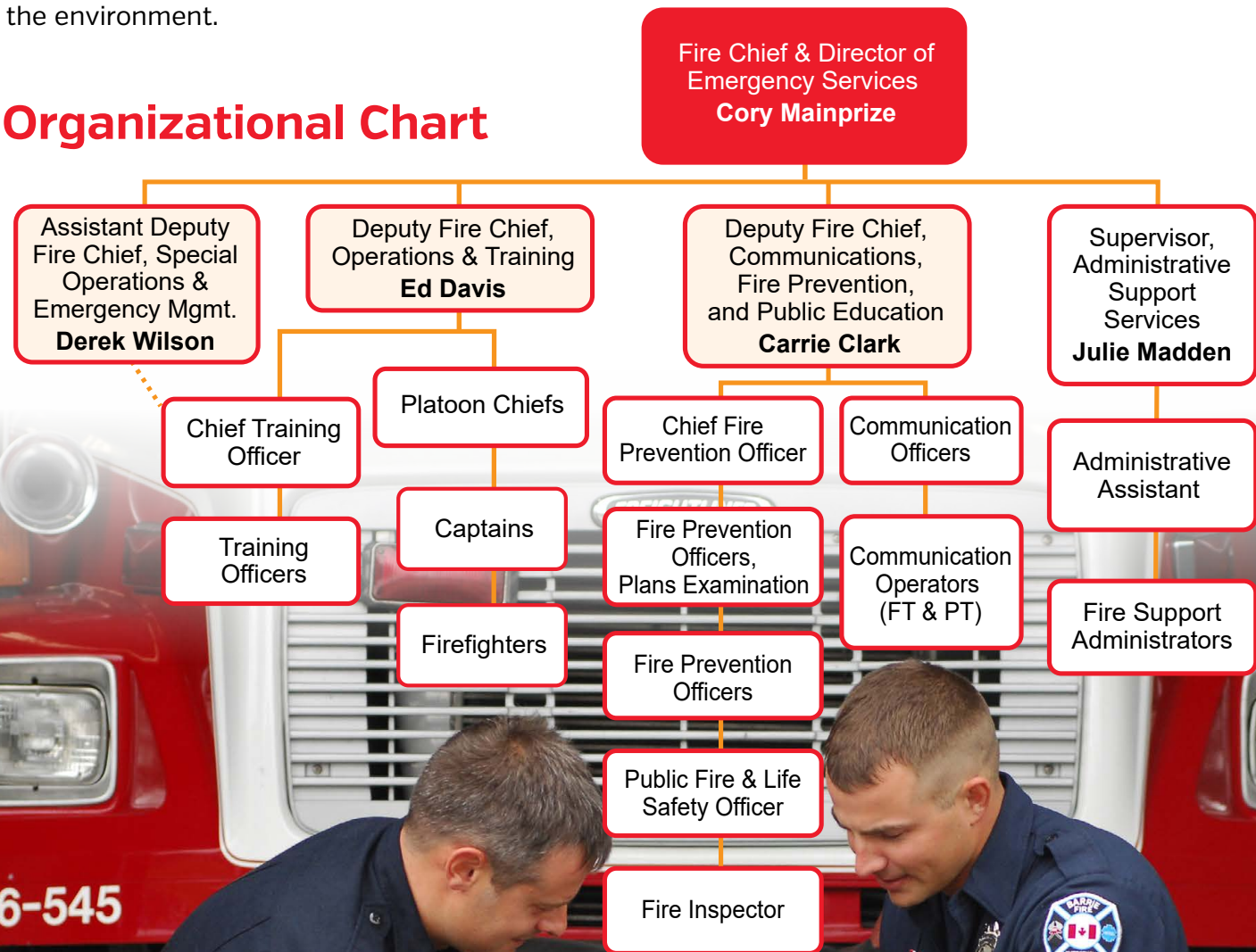
Vision, Mission, Values

VISION To be a dynamic organization that is recognized and respected by the community as being on the leading edge of service provision.

MISSION To protect the lives, well-being and property of the people of Barrie through dedication to life safety, commitment to community service and preservation of the environment.

VALUES Reflect leadership through team involvement encompassing: Safety, Professionalism, Commitment, Accountability, Efficiency, Integrity & Innovation.

Organizational Chart



Barrie Fire and Emergency Service Profile



Fire & Emergency Administration

This team is responsible for managing all branches of the service. It oversees and directs the day-to-day operations including the current and long-range Strategic Planning, Business Services, Capital and Operational Budgets, Labour Relations, Employee Wellness, Contracted Service Management, Policy Development, Procurement, Performance Management and Recruitment.

This branch also manages the City's Community Emergency Management program and is responsible for ensuring the City is prepared to respond to and recover from emergencies. This includes providing training, developing plans and overseeing the Emergency Operations Centre.



Operations & Training

This branch is responsible for developing, implementing, and delivering training as well as providing an all hazard response to incidents across our unique and demanding city. Through training we achieve and maintain the highest performance standards and deliver diverse programming for new recruits and professional development for existing staff. This ensures crews respond to and mitigate emergencies that include fires, hazardous materials, medical emergencies, and technical rescues including rope rescue, confined space rescue, ice and water rescue, trench rescue and automobile extrication.



Communications & Business Services

This Branch dispatched over 23,142 emergency calls. Communications members are responsible for 24/7 emergency call taking and dispatching for 20 Fire Departments in Simcoe County and surrounding area. The Branch is comprised of 13 full time and 4 part time members who are responsible for receiving and processing emergencies for approximately 500,000 people. Dispatching involves the prioritization and coordination of fire response units as well as the monitoring and participation with resources during an emergency. There are 53 fire stations within the dispatch area consisting of full time, composite and volunteer fire services.



Fire Prevention & Public Education

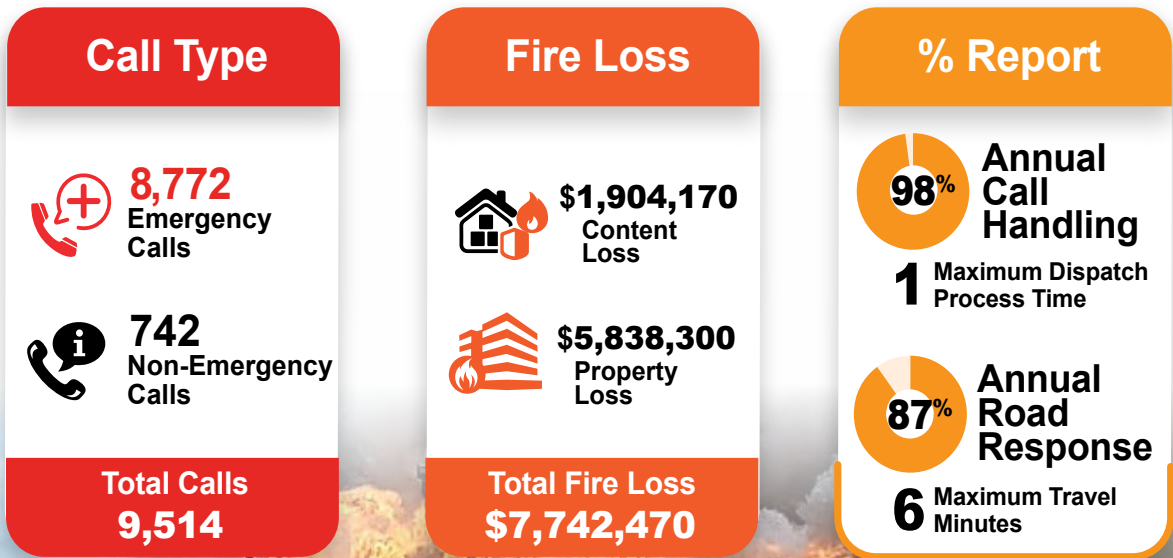
This team strives to educate individuals, groups, classes, workers and stakeholders on the benefits and requirements of fire safety and fire code enforcement at home, work, school and play.

Public Education is critical to ensure that everyone knows their fire safety responsibilities in their homes, workplaces and schools. Age-appropriate skills are woven into play and fun tasks to teach lessons that will save lives. It is never too early or late to prioritize and create an action plan for our residents.

Fire Prevention staff inspect on a legislated, request or complaint basis to ensure buildings are following the Fire Code. These include all Long-Term Care and Retirement and Group Homes. Mandatory drills ensure site staff can evacuate clients in a real emergency.

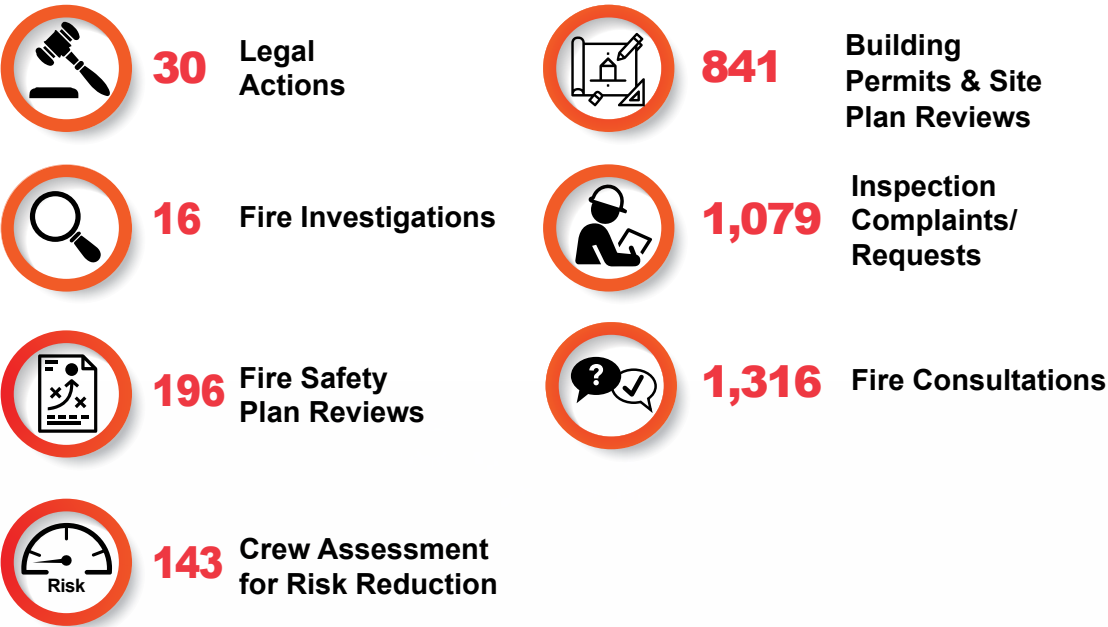
Fire Prevention Officers are also Building Code Inspectors for fire and life safety systems. From the beginning of site plans, plans of subdivision all the way through plans examination of building site permits and signoffs at completion, our staff are included in decisions on structures that will last our lifetime and beyond. Three Fire Prevention Officers are also qualified as Fire Investigators for origin and cause of fires.

Snapshot of Calls Received for the City of Barrie



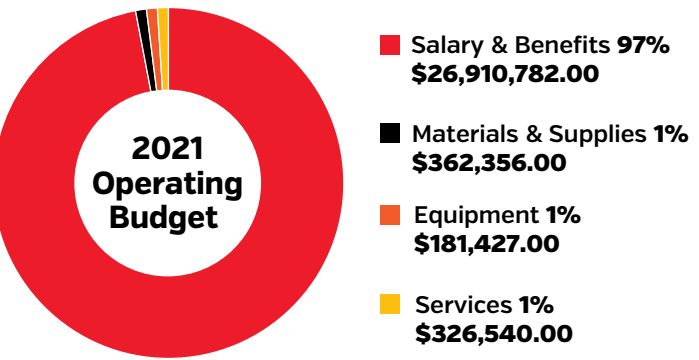
| Fire Calls and Staff Hours 2021 | # of Calls | Hours |
|---------------------------------|------------|--------|
| Burning Controlled | 236 | 366 |
| Pre-Fire Conditions - No Fire | 139 | 631 |
| Public Hazard | 237 | 1,008 |
| Property Fires/Explosions | 190 | 2,085 |
| Rescue | 609 | 2,905 |
| Automatic Alarm Activation | 981 | 3,507 |
| Medical Incidents | 6,798 | 9,877 |
| Other | 324 | 614 |
| Total | 9,514 | 20,993 |

Highlights of Activities

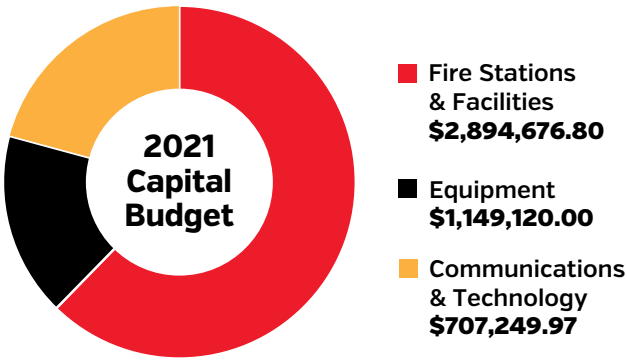


Financial Overview

The 2021 Barrie Fire and Emergency Service net operating budget was **\$27,206,851**. BFES receives approximately **\$1,732,513** in revenue.



The 2021 Barrie Fire and Emergency Service Capital Budget was **\$4,428,970**.



Fire Prevention and Public Education Activities

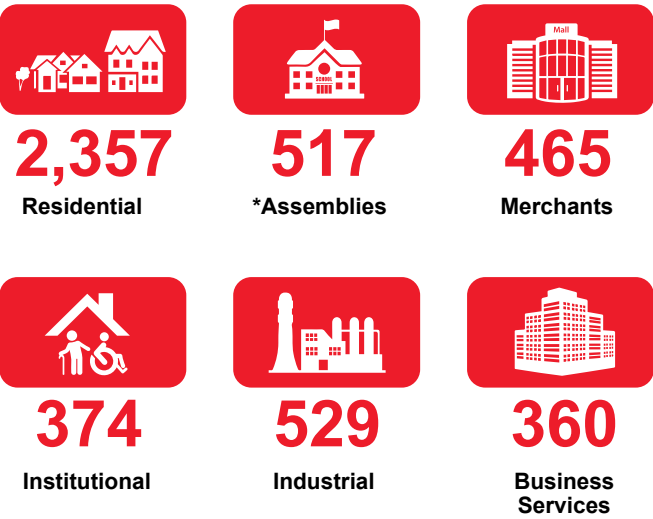


Engaging Our Community
Barrie Fire & Emergency Service focuses on community risk reduction through public education, fire safety standards and enforcement.

4,690
followers

6,831
followers

Fire Inspections by Facility

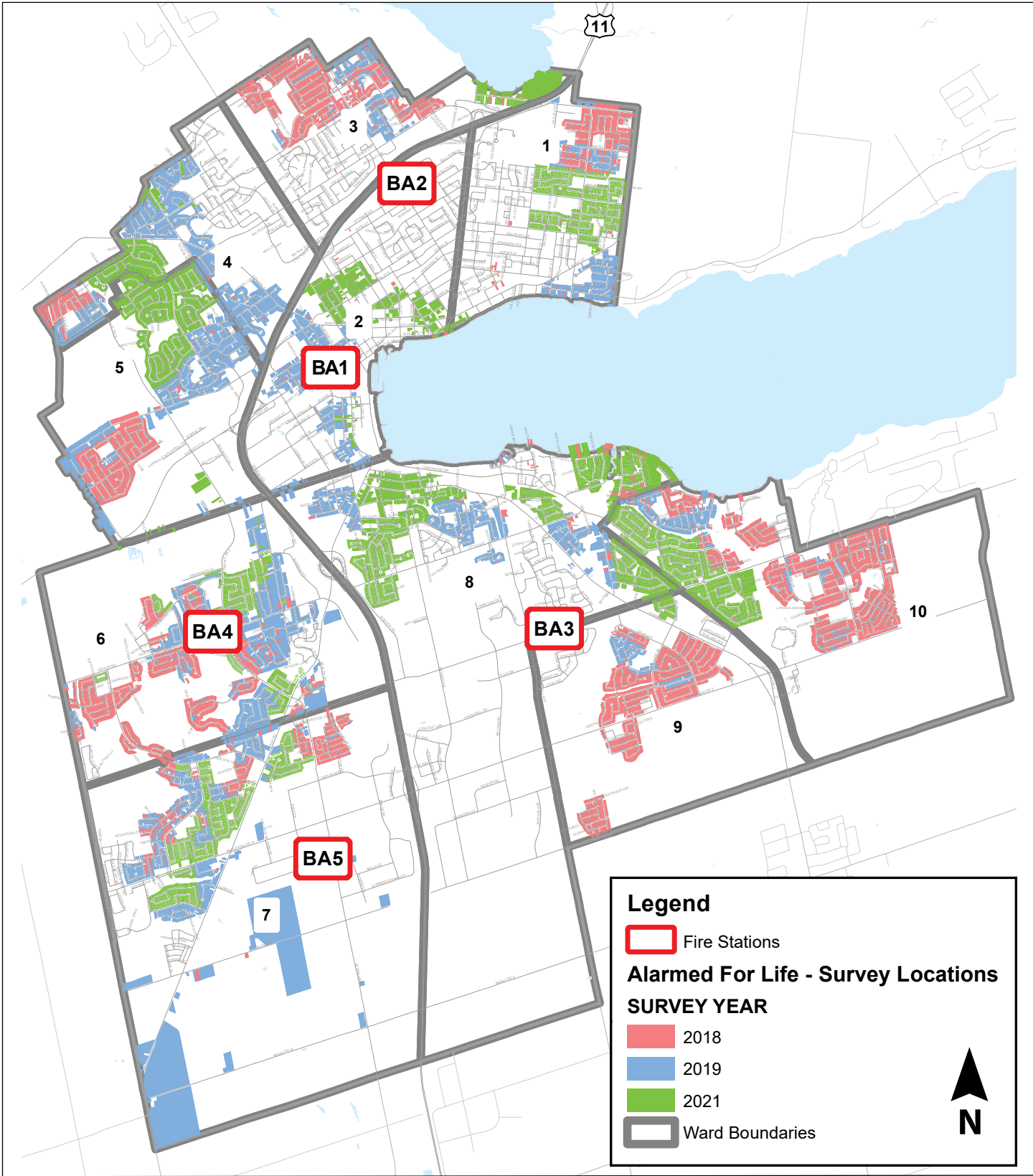


*Assemblies in this context means facilities where people commonly gather and assemble, and are not included in the other categories [i.e. churches, recreation centres, etc.]



Alarmed For Life

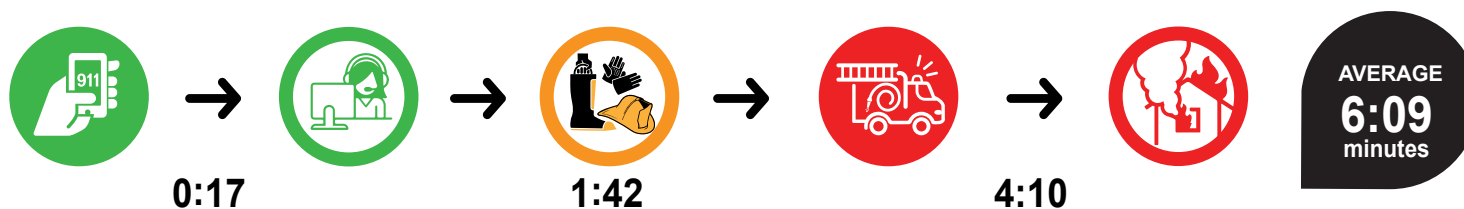
The following map indicates where Barrie fire crews went door-to-door ensuring homes have working smoke and carbon monoxide alarms for 2018, 2019, and 2021. Note, data for 2020 is not available due to COVID-19.



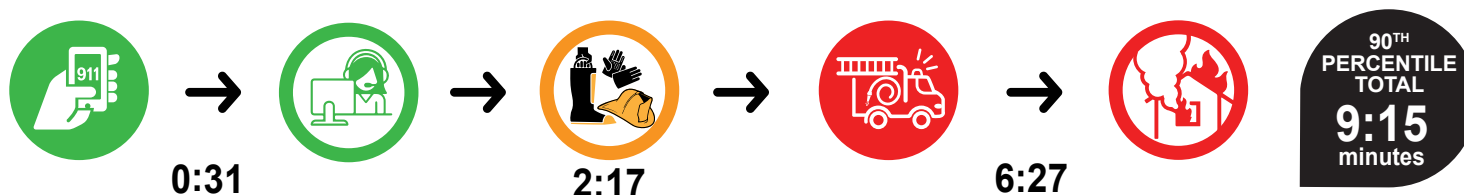
Response Times



BFES has an average response time of 6:09 minutes from receiving the information to arrival on the scene.



90% of the time, BFES has a response time of less than 9:15 minutes from receiving the information to arrival on the scene.



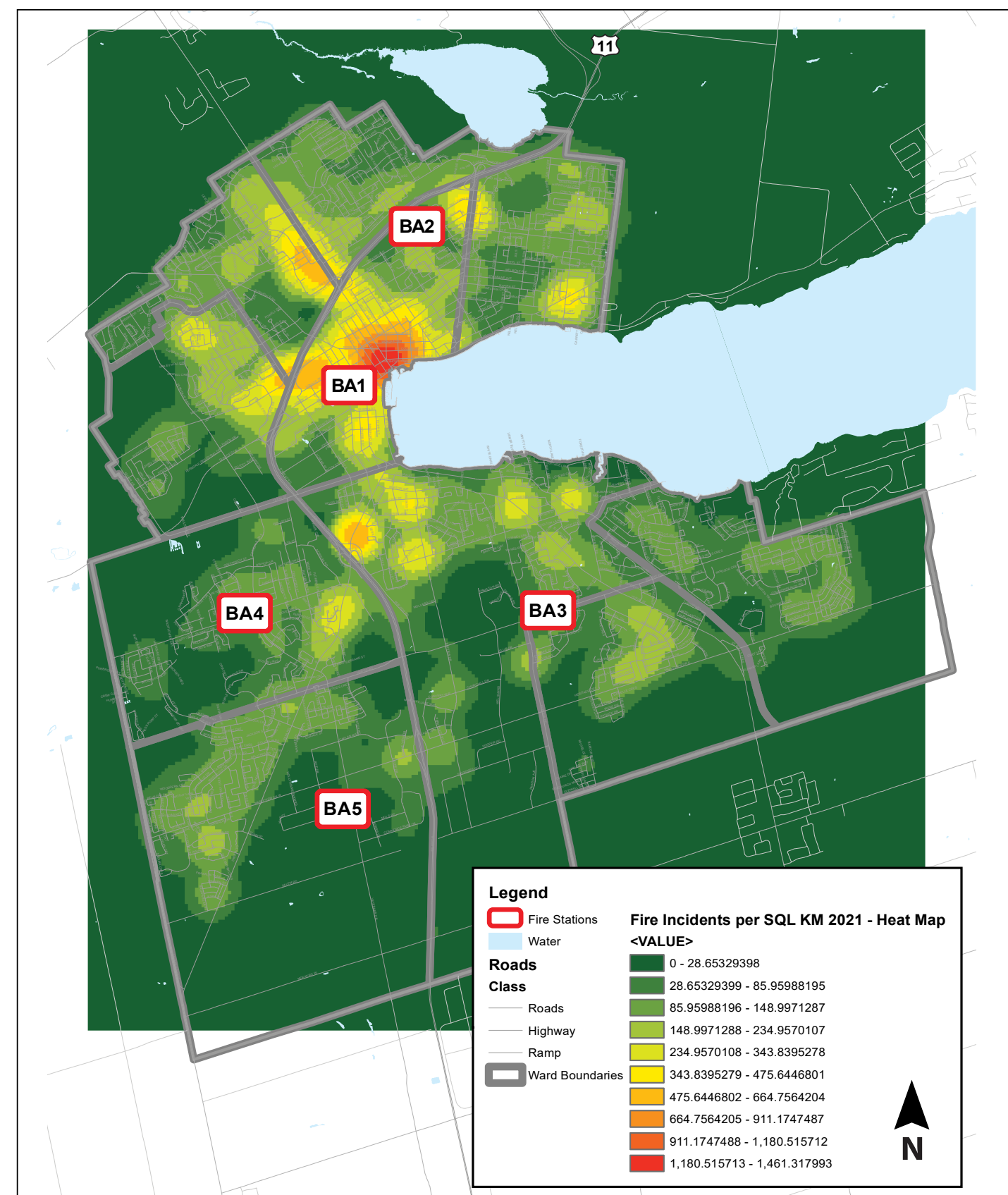
Emergency Incidents 2015-2020

| Year | Incidents | % Change |
|------|-----------|----------|
| 2016 | 8,708 | +7% |
| 2017 | 8,785 | +0.9% |
| 2018 | 8,449 | -3.9% |
| 2019 | 8,330 | -1.3% |
| 2020 | 7,453 | -10.53% |
| 2021 | 8,772 | +15% |



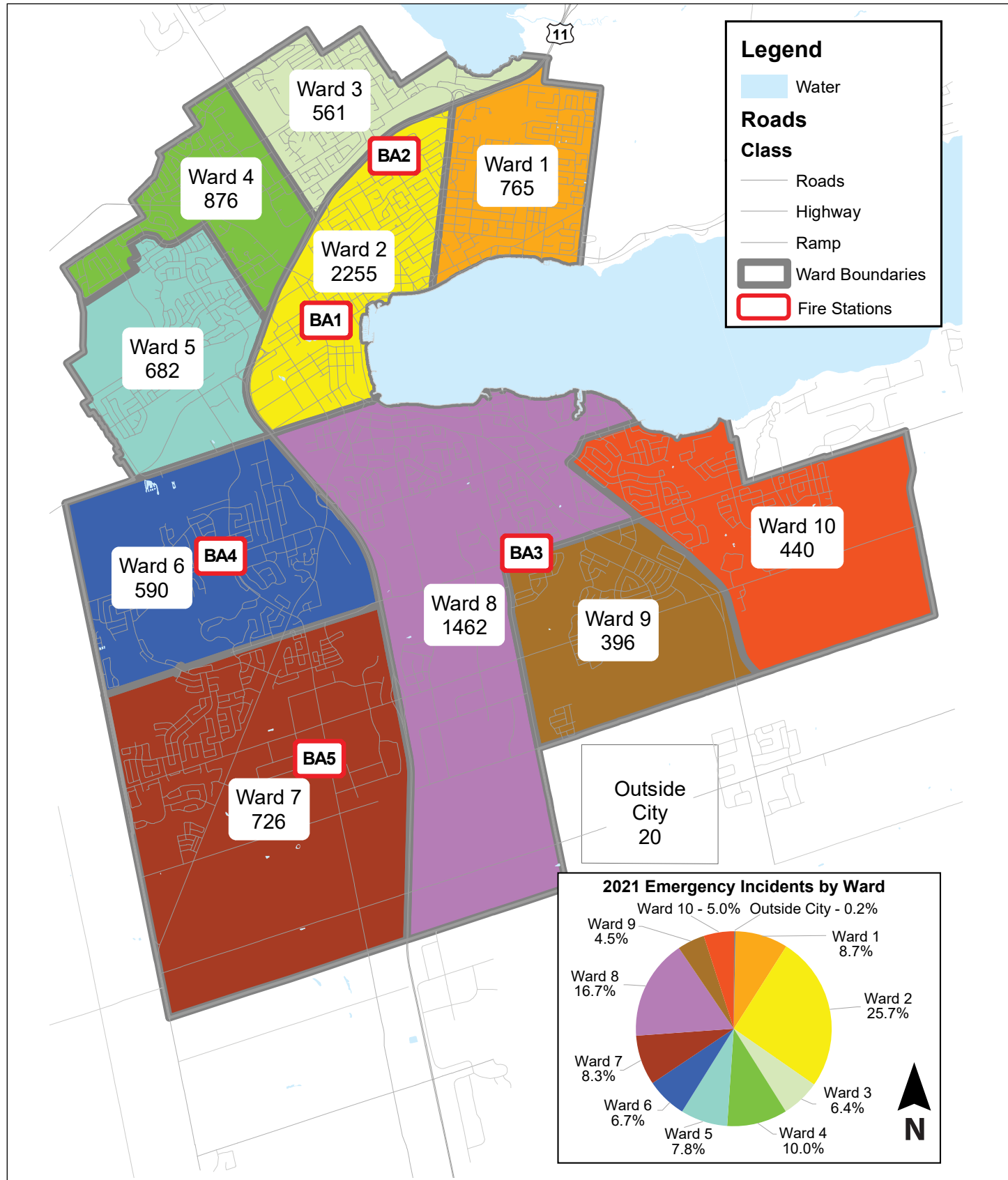
Heat Map

The following map demonstrates the areas of higher incident frequency based on call volume for 2021.



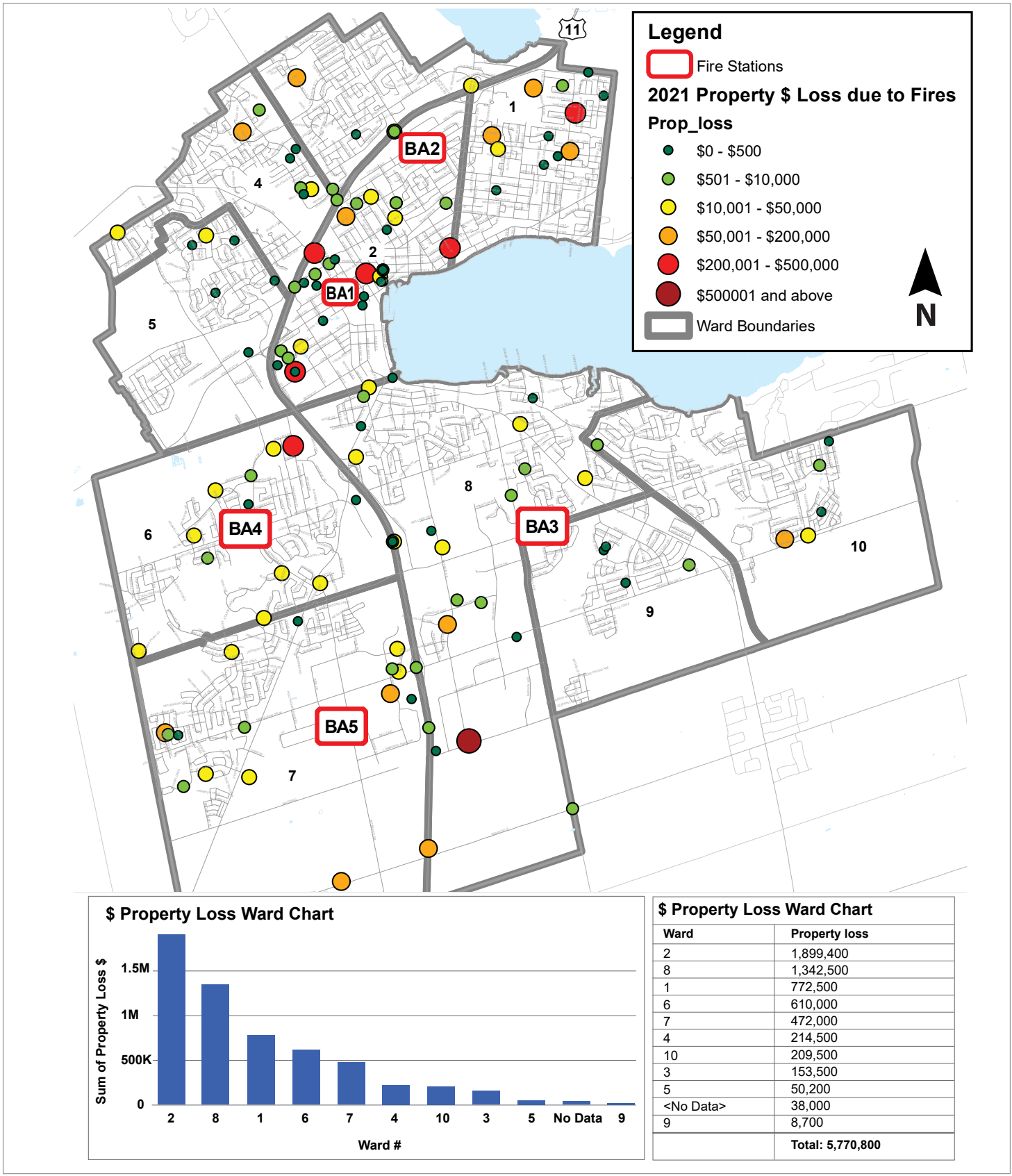
Emergency Incident Locations

The following map indicates the number of emergency incidents by ward for 2021.



Property Dollar Loss Due to Fire

The following map indicates the dollar loss amount occurring per emergency incident in 2021.



Looking Forward

BFES is committed to being a data driven, outcome based, strategic, customer focused, properly resourced and modern fire service that supports an inclusive and diverse workplace. Each branch has key priority areas moving forward through 2022 to ensure we meet the expectations of our growing community.

Administration

- Manage and grow our long-term Mental Health and Wellness Program that proactively supports every employee by providing direct access to an in-house mental health professional annually for an assessment and follow-up.
- Procure a single platform records management system that provides integrated analytics for all operations.
- Continued long range succession planning to meet the future needs of a growing community.

Fire Prevention and Public Education

- Complete a city-wide comprehensive Community Risk Assessment.
- Deliver risk based public education programming utilizing virtual and in person options.
- Expand and support Operations-led public education and fire safety inspections.

Operations and Training

- Operationalize our new fire training facility to include structural firefighting and technical rescue training props.
- Establish new learning contracts with Ontario Fire College to enable BFES staff to participate in an on-line learning format involving a multitude of NFPA courses.
- Enhance our technical rescue and specialized training programs to meet industry standards and the evolving needs of the community.
- Continue to expand and develop our in-service proactive fire inspection program using operations staff to reduce community risk.

Communications

- Utilization of current Communications resources to expand partnership opportunities with other municipalities.
- Procure a Project Manager to oversee and deliver the Next Generation 911 services to the City of Barrie.
- Expand incident dashboards to provide real time detailed analytics for all emergency incidents.

Emergency Preparedness

- Review and update Emergency Plan.
- Develop hazard specific plans.
- Delivery of IMS training to internal city staff.

Staff Recognition

Retirements

| | |
|------------------|----------------|
| Attila Kovacs | March 2021 |
| Kevin Beamish | July 2021 |
| Jeffery Balch | September 2021 |
| Doreen Murphy | October 2021 |
| Judith Myddelton | October 2021 |
| Deborah Grant | December 2021 |
| Robert Gracey | December 2021 |

Promotions

| | |
|-----------------|-------------------------------|
| Robert Munroe | Acting Chief Training Officer |
| Kevin Grimoldby | Training Officer |
| Shane Edwards | Captain |
| James Dawes | Captain |
| Michael Heasman | Captain |
| Chris Ivany | Captain |
| Richard Gargal | Acting Captain |
| Nevin Hamilton | Acting Captain |
| Bryce Aitken | Acting Captain |
| Eric Poole | Acting Captain |

New Hires

| | |
|--------------------|-------------------------------|
| Lorianne Zwicker | Chief Fire Prevention Officer |
| Joseph Baker | 5th Class Firefighter |
| Steve Bouwmeester | 5th Class Firefighter |
| Jeremy Buckley | 5th Class Firefighter |
| Devin Glage | 5th Class Firefighter |
| Alanna Kovacs-Gunn | 5th Class Firefighter |
| Addison MacMillan | 5th Class Firefighter |
| Michael Ruddick | 5th Class Firefighter |
| Caleb Storteboom | 5th Class Firefighter |
| Brad Vandrick | 5th Class Firefighter |



Notes





Barrie Fire and Emergency Service

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@BarrieFireService



@Barrie_Fire

barrie.ca/BFES