



"TO PROTECT LIFE, PROPERTY AND THE ENVIRONMENT



ANNUAL REPORT

2016

"To protect life, property and the environment through education, prevention, emergency communications, fire fighting, rescue, and medical services."

EMERGENCY COMMUNICATIONS, FIRE FIGHTING, RESCUE, AND MEDICAL SERVICES."



BRANDON FIRE AND EMERGENCY SERVICES

FIRE CHIEF



"We hope you find the 2016 Annual Report interesting and informative. Thank you for your continued interest and support."

Brent Dane

Brent Dane, Fire Chief

MESSAGE FROM THE CHIEF

"To protect life, property and the environment through education, prevention, emergency communications, fire fighting, rescue, and medical services."

On behalf of the staff of Brandon Fire & Emergency Services (B.F.E.S.) it is my pleasure to submit to you the department's 2016 Annual Report.

We said farewell to some long servicing members from the department in 2016.

As a result, we saw the addition of five new firefighter/paramedics.

Working with Prairie Mountain Health, our paramedics saw the implementation of new patient guidelines for patient treatment and medication administration.

The department purchased new Q-RAE gas detectors, which are devices used to measure the level of dangerous gases in the air. This is used to determine if it is safe for staff to enter a confined space or any location where a CO alarm went off.

We worked with CN Rail to provide our staff with special rescue training in the event of a train derailment. Some of our staff also provided their assistance during the forest fires in Fort McMurray.

Brent Dane,

Brent Dane
City of Brandon
Fire Chief

HISTORY GEAR



Today the turnout gear consists of a helmet, coat, pants, boots, balaclava and gloves. The coat has a four layer conventional collar that provides neck protection, and a water evacuation system to reduce water buildup between the layers. The pants have zip-in liners to ensure ideal positioning and easy assembly after washing. The helmet has an adjustable headband as well as an impact cap to provide thermal protection. The boots are made of flame and heat resisting rubber. They are steel toed and include a liner that prevents trapped moisture.



CURRENT GEAR

1940'S TURNOUT GEAR



In 1942, a firefighter's turnout gear consisted of a helmet, long coat, rubber boots, and mitts. The helmet had no lining. The coat had an insulated inner liner and a cloth outer cover with a thick rubber lining between the two pieces. The rubber boots were thigh high with a felt lining. The mitts were leather with a woolen inner mitt. If a firefighter wanted bunker pants (pants that fit over the rubber boots and made of the same materials as the coat), they had to be purchased by the member. In 1949, that meant spending \$12 of their own money!

The cost of outfitting a firefighter in turnout gear today is over \$2,000!

CALLS



4,358 AMBULANCE



458 ALARMS



333 RESCUE | MOTOR VEHICLE COLLISION



124 FIRES



108 INVESTIGATION



30 OTHER

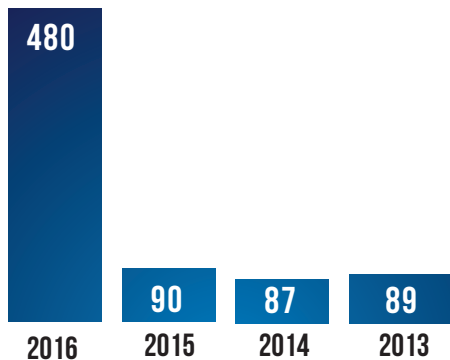


11 HAZMAT



3 RESCUE | TECHNICAL

FIRE PIT PERMITS ISSUED



NUMBERS AND TIDBITS



DID YOU KNOW?

THERE WERE 480 FIRE PIT PERMITS ISSUED UP 390 FROM LAST YEAR!



FIRES



43 STRUCTURE FIRES



30 GRASS FIRES



18 OTHER FIRES



15 VEHICLE FIRES



10 FIRE PIT FIRES



8 GARBAGE FIRES

STAFFING

CHANGES



RETIREMENTS



APRIL 2
36 YEARS OF SERVICE



JULY 26
33 YEARS OF SERVICE

NEW HIRES - PROBATIONARY FIREFIGHTERS



JANUARY 4



JANUARY 18



MAY 30



OCTOBER 11



OCTOBER 31

"The staff went above and beyond. They were wonderful while waiting for admission, keeping us company and tending to our needs while in the holding area at the hospital."

THANK YOU'S!

"I was very impressed with the *compassion* and professionalism shown to me by the two paramedics. They really took an unfortunate medical situation and turned it into a pleasant experience. Their knowledge and *professionalism* and personal interaction is something to be proud of."

"You have a truly fine ambulance service here in Brandon. I was treated with *kindness* and *compassion* in my time of distress. Thank you so much."

"We were *extremely* pleased with the service we received. The paramedics were most *helpful* and *courteous*."

ROAD SHOWS



Each year we take the show on the road and attend schools to teach Kindergarten to Grade 6 students about fire safety.

We take a fire truck, an ambulance, firefighters and paramedics, and lots of fire safety information for the kids.

Students get to hold fire hoses, get their blood pressure taken and go through the Fire Safety Trailer, which is a secure place to learn about fire safety.

Grade 7 and 8 students participate in our Rodeos where they compete in different events that are structured around tasks that a firefighter does. They get to dress in firefighter turnout gear, go through an obstacle course, and fill pails of water with a fire hose.

FIRE PREVENTION



DID YOU KNOW?

1,433 STUDENTS PARTICIPATED
IN THE ROAD SHOWS!

490 GRADE 7 AND 8 STUDENTS
PARTICIPATED IN THE RODEOS!

AND RODEOS



FIRE



AG STORAGE FACILITY JUNE 9, 2016

We were called to a basement fire in a grain elevator during the summer. Upon arrival, entry to the basement was difficult due to a spiral staircase, unknown hazards, and dense smoke. The fire was a result of overheated mills. After 4.5 hours on scene, and using 45,000 gallons of water, the fire was extinguished, resulting in \$750,000 in damages.



Structure fires decreased in 2016!
1.2 MILLION DOLLARS IN TOTAL LOSSES

DID YOU KNOW?

**WE RESPONDED TO 23
RURAL FIRE CALLS!**

AMBUSH PAINT-BALL JUNE 24, 2016



Photo courtesy of the Brandon Sun's Tim Smith

We responded to a structure fire on Highway 270 that, upon arrival, was fully involved in flames with black smoke and intense heat. Compressed gas cylinders were inside the structure causing small explosions because of the heat. The structure was a total loss, but the firefighters were able to minimize the amount of damage to the equipment and structures near the burning building.

EMS | EMERGENCY MEDICAL SERVICES

Our department works hard to provide the highest level of quality care on all of our EMS responses. Ongoing training is provided to all sixty of our paramedics through Prairie Mountain Health as well as our EMS Training Officer.

Together with Prairie Mountain Health, we implemented new Manitoba Health Patient Care Maps. These care maps serve as our guidelines for all patient treatments and medication administrations.

We saw the addition of intranasal medication administration for a large number of medications we currently carry. This means we can administer medication to patients in the form of nasal spray rather than starting an IV.

AMBULANCE



DID YOU KNOW?

WE RESPOND TO **2,344** PRIMARY EMERGENCY AMBULANCE CALLS!

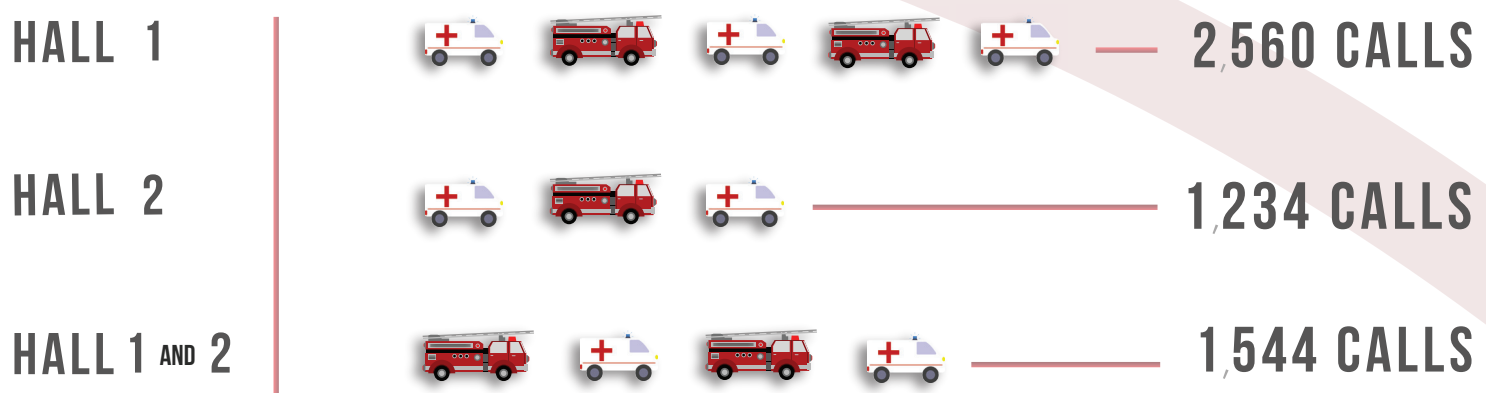
EMS CALLS ACCOUNT FOR **4,358** OF OUR CALLS, WHICH IS **80%** OF OUR TOTAL CALL VOLUME!

THAT'S A **2%** INCREASE FROM 2015

WE LOOK FORWARD TO *2017*, WHEN WE WILL BE CELEBRATING

OUR *100th anniversary* PROVIDING *Emergency Medical Service!*

FIRE HALL RESPONSE



TRAINING



SPECIAL RESCUE TEAMS

USAR TEAM URBAN SEARCH AND RESCUE

The USAR Team assists the local region in performing search and rescue for missing individuals as a result of any serious emergency. This team is composed of eight of our staff. Members of the USAR team provided assistance in Fort McMurray during the forest fire emergency.



TECH RESCUE TEAM

The Tech Rescue Team consists of 10 members who train throughout the year to ensure their skills remain up-to-date. They perform high angle rescues as well as rescues in confined spaces.



WATER RESCUE TEAM



There are 10 staff members on the Water Rescue Team. They participate in numerous training exercises throughout the year to ensure their skills are proficient in the case of any water rescue calls.



TRAIN DERAILMENT

CN Rail provided our staff with rail safety training. We learned about hidden dangers at a derailment site, the notification process should a derailment occur, a computer program that tracks all CN Rail movement, and locomotive and cargo carrier familiarization. We also reviewed additional resource that attend derailments that would aid local departments at these scenes. In November, we were able to utilize this training during a citywide exercise. This exercise involved a train derailment in the city with multiple dangerous goods.

ASSINIBOINE RIVER TRAINING

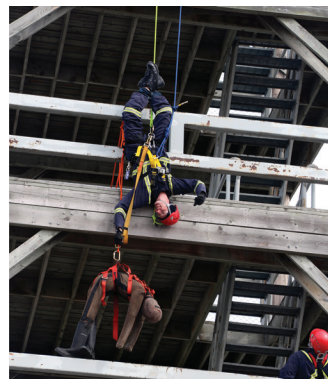
During one of their training days, the Water Rescue Team attended the new 1st Street Bridge to see how the construction has changed the dynamics of the river and how it will change in the future with the construction of the second bridge.



The team attended all of the possible entry sites in the City to familiarize themselves with the locations in the case of an emergency. These sites include the Assiniboine River and ponds near Brookwood and Crocus Plains School.

CONFINED SPACE RESCUE

This year the team utilized a 70 foot tall "training tower" which is approximately 7 stories, at the Office of the Fire Commissioner's training site at the Brandon Airport. One exercise



the team performed was repelling off the top of the tower to rescue a victim. Once they reached the victim they had to lower themselves with the victim attached to the rescuers harness to the ground.

The team also performed some confined space rescue exercises. One scenario had two team members rescuing a patient who was

unconscious within a confined space. They had to assess, treat, package and remove the patient. This was performed within a workspace of just 24 inches high and 36



inches wide. The members had to do all of this while wearing a full-face mask and breathing bottled air.



BRANDON FIRE AND EMERGENCY SERVICES

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