

**Cape Breton Regional Municipality**

**Fire & Emergency Services Committee**

**AGENDA**

**Tuesday, December 12, 2017**

**1:30 p.m.**

**Council Chambers  
2<sup>nd</sup> Floor, City Hall  
320 Esplanade, Sydney, NS**

**Committee Members:**

Deputy Mayor Eldon MacDonald, Chair  
Councillor Ray Paruch  
Councillor Ivan Doncaster  
Councillor Amanda McDougall  
Councillor Kendra Coombes, Vice-Chair



# **Cape Breton Regional Municipality**

## **Fire & Emergency Services Committee**

**Tuesday, December 12, 2017**

**1:30 p.m.**

### **AGENDA**

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#### **Roll Call**

1. **Approval of Minutes:** (Previously Distributed)
  - Fire & Emergency Services Committee – June 19, 2017
2. **Fire Advisory Working Committee:** George Muise, Provincial Appointee
  - 2.1 **Fire Apparatus Replacement** (See page 5 )
  - 2.2 **Operational Standards and Fire Software** (See page 37 )
3. **BUSINESS ARISING:**
  - 3.1 **Fire & Emergency Services Committee – June 19, 2017**
    - a) **Cape Breton Regional Fire Chiefs' Association Report:**  
Spokesperson George Muise
      - i) **Mechanical Services** (See page 38 )
      - ii) **Specialty Services** (See page 40 )
4. **Volunteer Fire Service Establishment & Qualifications Policy – Proposed Amendments:** Chief Bernie MacKinnon, Director of Fire & Emergency Services (See page 46 )
5. **EMO Committees and Working Group Activities:** John Dilny, Manager of Emergency Management (See page 63 )

**Continued...**

**Fire & Emergency Services Committee Agenda**  
**(Continued)**  
**December 12, 2017**

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6. **Deputy Chief Report - Operations:** Gilbert MacIntyre, Deputy Fire Chief (See page 66 )

- Critical Incident Stress Training
- Command Post
- Training

7. **Deputy Chief Report – Volunteer, Fleet, Training & Prevention:** Chris March, Deputy Fire Chief/Volunteer Coordinator, Manager Fleet, Training & Prevention (See page 68 )

- Volunteer Coordinator
- Training
- Fleet

**Adjournment**



## Fire Services Advisory Committee



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Subject: Fire Apparatus Replacement  
Date: December 5, 2017  
From: Fire Services Advisory Committee  
Distribution: Fire & Emergency Services Committee

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During the Fire Services Organizational Review which was completed in March 2016, it was identified by Manitou that the fleet of the CBRM in terms of Fire Services was aging and there was a need for a comprehensive replacement plan. In addition, it was identified the present capital budget of \$600,000 was inadequate. In the Fire Review report from Manitou it was estimated that it would require \$1.3 million dollars per year to address the problem. During the initial meeting of the Fire Services Advisory Committee, the Apparatus Specifications and Replacement Plan was identified as a priority as it had the largest impact on the budget of CBRM. The Cape Breton Regional Fire Chiefs' Association was tasked with forming a committee of Chiefs to gather input on Apparatus Specifications and Replacement.

A committee was struck on June 25<sup>th</sup> and the group consisted of a variety of experience and roles within the CBRM. The group had input from the mechanical division, volunteer rural Chiefs', volunteer urban Chiefs', and other experienced personnel from within the Fire Service. The committee first examined the Apparatus Specifications. The main points that were kept in mind when considering options for these vehicles were safety, as well as cost.

The committee was able to develop a standardized specification for the following vehicles:

**1500 Imperial Gallon Pumper Tanker,  
2500 Imperial Gallon Tender,  
1500 Imperial Gallon Tender,  
1000 Imperial Gallon Commercial Pumper,  
800 Imperial Gallon Custom Pumper,  
Multi-Purpose Support Vehicle.**

Each vehicle was designed with a specific set of options in mind to allow the fire departments to accomplish their goals in an efficient and safe manner. For example, the 1500 Imperial Gallon Pumper Tanker was designed primarily for rural fire departments who are not able to rely on mutual aid as their neighboring department is a significant distance away. These vehicles are equipped with a high pressure foam system. This system will allow fire departments to provide quick knockdown of a fire, in a safe manner, with a limited number of personnel. They will be able to do this while operating from outside the burning structure.

The next task of the committee was to gather information about the present fleet in the CBRM. Once all the information was gathered, and all stations were visited, it was identified that the state of the fleet is much



## Fire Services Advisory Committee



worse than initially thought. There are vehicles in the system which do not meet basic Underwriters Laboratories of Canada Certification (ULC). This organization is an independent product safety testing, certification and inspection organization. Therefore, it is not guaranteed that some of the vehicles meet this basic safety testing when they were put into service. In addition, it was noticed that presently, there are ten (10) Pumpers or Tankers in the CBRM which exceed the 25 year service life of a fire apparatus. According to the Manitou review recommendation, and National Fire Protection Association (NFPA), these vehicle should be taken out of service immediately. The committee also took a look at the present process for purchasing apparatus. In terms of the rural departments, the limited funds available resulted in purchasing apparatus that were already 17 or 18 years old. Thus near the end of service life of 25 years old, the newer apparatus in the CBRM will also be due to be replaced. This current system is a short term fix which in the long term will result in an increasingly ageing fleet. We are faced with a situation in ten years that see a small number of fire departments that have sufficient fire apparatus and a large number of rural stations faced with apparatus that should be out of service.

| Apporatus Age | Major Cities | Medium Sized Cities or Communities Where Risk is Significant | Small Communities and Rural Centers |
|---------------|--------------|--------------------------------------------------------------|-------------------------------------|
| 0-15 Years    | First Line   | First Line                                                   | First Line                          |
| 16-20 Years   | Reserve      | 2nd Line                                                     | First Line                          |
| 20-25 Years   | No credit    | No Credit or Reserve                                         | No Credit or 2nd Line               |
| 26-29 Years   | No credit    | No Credit in Grading or Reserve                              | No Credit or Reserve                |
| 30+ Years     | No credit    | No Credit                                                    | No Credit                           |

When the committee first sat down to begin constructing the five year apparatus replacement plan, it was very clear that a solution could not be realized in only five years. It would take a longer period, and a significant commitment from Council to meet the goals of this project. The committee first broke the departments down into service areas (called districts on the plan). This allowed the group to look at the apparatus in the service area and ensure each area had the resources they needed to protect against any risks in that area.

There are gaps which were noticed in the initial review with one being water supply. Therefore, one of the priorities of the plan was to build on the existing Tankers/Tenders in the system and increase the available water supply to each area. This was done by providing a 2500 Imperial Gallon Tender to an area supplemented with 1500 Imperial Gallon Tenders. This would ensure sufficient water supply to an area in the event of a large fire.

Another priority was providing Apparatus to the rural stations who due to their remoteness have a reduced advantage of mutual aid support. Providing these departments with a vehicle capable of fighting fires with a compressed air foam system allows them to perform the service, while doing it in a safe manner, with a limited number of personnel. To expand on this feature a little, the truck essentially turns 1500 Imperial Gallons of water into over 6500 Imperial Gallons of water by using the high pressure foam system. This feature is imperative to ensure safe operations on the fire ground.

An additional issue that was identified was Sydney Airport. Through recent discussions with airport personnel, it was determined a 1500 IGPM pump would be needed to supply water to Airport Vehicles.



## Fire Services Advisory Committee



Presently there is no vehicle in the CBRM capable of doing this. While some may say, if Sydney Airport requires a larger pump then they should pay the cost. The cost of upgrading a pump from a 1250 IGPM to a 1500 IGPM is miniscule in terms of the cost of the vehicle, however, the vehicle is still required to provide the fire protection for the community it serves. As well, there is always a risk of an aircraft incident outside of the boundaries of the airport property.

Each purchase that is identified in the Replacement Plan was a calculated purchase which will allow the CBRM fire departments to provide the service to the community it serves. Each was done while considering the vehicles each department has presently, and if their present vehicle can be used in another department. There is very specific reasoning behind each and every purchase which was discussed and determined by the committee.

One critical issue with regards to the age of fire apparatus is safety. As these apparatus age they are more prone to mechanical failure. Given the amount of weight these vehicles carry there is potential for incidents which put firefighters and the public at risk for serious injury or even death. Another consideration is the emissions from these older vehicles especially diesel engines which put firefighters at risk for exposure to carcinogenic products, many departments do not have an exhaust system aimed at reducing exposure.

Without any action, the current funds allotted for vehicle apparatus will not be able to keep up with the aging process for current vehicles. This means that many of these apparatus currently in service may not be able to operate in the coming years. This will reduce or eliminate the fire protection services in the areas identified.

Attached is a snap shot of what it would require to address the aging fire service fleet. This initiative was presented to the Fire Chiefs Association on Nov 2, 2017 and received unanimous support to continue the process.

### **Recommendation:**

It is recommended that this issue be moved to the budget process so that the funding decisions required to develop a replacement plan can be discussed.



# Cape Breton Regional Fire Chiefs' Association

19 Rosewood Avenue  
Glace Bay, Nova Scotia  
B1A 2Y4



## Vehicle Specifications



**Cape Breton Regional Fire Chiefs' Association**  
19 Rosewood Avenue  
Glace Bay, Nova Scotia  
B1A 2Y4



**Freightliner Commercial 2 Door Single Axle Tanker ULC Certified**



**Chassis**

- Single Axle Chassis (2 Toned Paint Scheme White Over Red)
- Freightliner M2 106 2 Door Cab, Seating For 2 Personnel
- Full Length Cab Doors
- Bostrom Vinyl Seating (1 Air Adjustable Driver Seat, Fixed Officer)
- Heat, AC, Defrost
- West Coast Polished, Heated & Remote Controlled Mirrors
- 16,000 lb. Rated Front Axle
- 27,000 lb. Rated Rear Axle
- Polished Aluminum Wheels with Lug and Hub Trim
- Heavy Traction Michelin Tires (Front-XZY3, Rear XDS2)
- 350 HP Cummins L9
- Clutch Fan System for Cold Climate Use
- Allison 3000 Automatic Transmission with Rear Driver Controlled Differential Lock
- 1 O'clock PTO Access
- Point to Point 12 Volt DC System
- 275 Amp Alternator
- 2 Battery System with External Jumper Studs for Easy Boosting
- 40 Amp Auxiliary Power for Radios in Console
- 2 Manufacturer Supplied and Roof Mounted Antennas with Cables Routed to Console
- RUD Driver Controlled Traction Chains
- Kussmaul Pump Plus 1000 Battery Conditioner with Air Compressor and Auto Eject Receptacle
- Kussmaul Auto Eject Backup Air Inlet
- Air Horns Hood Mounted
- Centre Console for Radios and Control Switches
- Full Checker Plate Aluminum Cab Step Enclosures



## Cape Breton Regional Fire Chiefs' Association

19 Rosewood Avenue  
Glace Bay, Nova Scotia  
B1A 2Y4



### Body And Fire Pack

- 1/8" Aluminum Body With Roll Up Doors
- Up to 200" Long and 102" Wide
- High Side, Half Depth Left, & Low Side Full Depth Right Compartments (16" Deep Uppers With 26" Deep Lowers) 5 Compartments
- 2 Adjustable Shelves
- 1-500 lb. Rated Roll Out Tray
- Storage for 6 30 Minute SCBA Cylinders in Rear Wheel Wells
- Storage for 2 10' x 6" Lengths PVC Suction Hose Inside Rear Body Under T of Tank (1 Each Side)
- Ground Ladder Compartment with Rear Door in Hosebed
- Open Tube Manual Swing Down Porta Tank Rack Right Side Body
- HD EZ Climb Rear Access Ladder System with Hand Rails
- Rear Hosebed with Aluminum Slat Base
- 1 Adjustable Hosebed Divider
- Vinyl Hosebed Cover with Elastic Shock Cord Attachments

### Tank, Pump And Plumbing

- 1500 Imperial Gallon Poly Water Tank
- 20 Gallon Foam Cell
- Firemen's Friend 4" Semi-Automatic Direct Rear Tank Fill with Storz Elbow
- Newton 10" Square Rear Dump Valve with Extendable Swivel Chute and Manual Control
- Side Mount Pump Operators Panel (Lin X Black Coated) with 2 Stacked Speedlay Beds
- Removable Aluminum Speedlay Hose Trays
- Cable Controls for Valves to Enable Easy Servicing in the Compact Pump House
- Hinged Side Pump Panels for Easy Access when Completing Service
- 2 Roll Out Steps at Running Board to Assist Reloading Hose (1 Each Side)
- Minimum 1250 Imperial Gallon Per Minute Midship Direct Drive PTO Pump (Pump And Roll Capable)
- Air Primer with Automatic Mode
- 0.5% Foam System for High Pressure Discharge
- Electric Governor System with Twist Knob Style Speed Control
- Dual Scale (PSI/KPA) Liquid Filled Pressure Gauges
- Dual LED Water/Foam Level Gauge
- Stainless Steel Piping/Plumbing
- 30,000 BTU Pump Heater with Removable Heat Pan and Rubber Body Seal
- 3" Tank to Pump Supply
- 2" Tank Refill

### Inlets

- 1 6" Steamer Suction Left Side with TFT Inlet Valve
- 1 6" Steamer Suction Right Side with TFT Inlet Valve
- 1 2.5" Inlet Left Side



## Cape Breton Regional Fire Chiefs' Association

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### Outlets

- 2 2" Pump House Speedlays
- 1 2.5" Left Side
- 1 2.5" Right Side
- 1 2.5" Right Rear
- 1 4" Storz Right Side
- 1 1" High Pressure Reel Mounted In Rear Upper Body With 150' of High Pressure Rubber Hose, Auto Shutoff High Pressure Nozzle with Quick Attach Foam Tube and Mount Bracket On Rear Body. (50 GPM @ 585 PSI)

### Electrical 12V

- 12 Volt Point to Point System with Load Manager and High Idle
- Ground, CMVSS, Step and Interior Cab Lights (All LED)
- All Compartments to Have LED Tube Lights
- Zone Defense Backup Camera System
- 200 Watt RMS Siren with 2-100 Watt Speakers
- 62" LED Lightbar on Roof with 4 Red Corners, 4 Red Forward Facing Heads and 2 White Forward Facing Heads.
- White Light Disable Switch
- 2 Rear Red Rotary Style LED Beacons on Rear Upper Body
- 8 4X6 Red LED Warning Heads Lower Level (2 Front Grille, 1 Each Side Front Bumper, 1 Each Side Rear Step Housing and 2 Rear Facing)
- 2 2X5 Red LED Warning Heads 2 Lower Mid Body in Rubrail
- 1 Rear Upper Body Mounted 24" Amber LED Traffic Directional Stick with Auto On Feature
- 4 Upper Body LED Loading Lights (2 at Front and 2 at Rear of Hose Bed)
- 6 LED Gradient Scene Lights Mounted 2 Left Side, 2 Right Side And 2 Rear Body (Rear Scene Lights Have Auto On With Reverse)
- 2 FRC Optimum 150 Watt HID 12 Volt Push Up Telescopic Flood Lights (One On Each Side Pump House)

### Decals

- 3M Decals Per CBRM Fleet
- Rear Body Chevron
- Side Body 4" Stripe With 1" Accent Above And Below

### Additional Supplied Equipment

- 2 10' X 6" PVC Flexible Suction Hoses
- 1 Set of Large Folding Wheel Chocks with Mounts
- 1 14' Aluminum Roof Ladder with Hooks
- 1 24' Aluminum 2 Section Extension Ladder
- 1 10' Folding Attic Ladder
- 1 8' Pike Pole with Fiberglass Handle
- 1 10' Pike Pole with Fiberglass Handle
- 1 6lb Flat Head Axe with Fiberglass Handle and Mount



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- 2 6lb Pick Head Axe with Fiberglass Handle and Mount
- 1-2100 US Gallon Porta Tank with Aluminum Frame
- 4 SCBA Mount Brackets on Wall of L2 Upper Compartment

**2 Door Single Axle Tanker \$3S1,77S Plus HST**





**Cape Breton Regional Fire Chiefs' Association**  
19 Rosewood Avenue  
Glace Bay, Nova Scotia  
B1A 2Y4



**Freightliner Commercial 2 Door Single Axle Water Tender ULC Certified**



**Chassis**

- Single Axle Chassis (2 Toned Paint Scheme White Over Red)
- Freightliner M2 106 2 Door Cab, Seating For 2 Personnel
- Full Length Cab Doors
- Bostrom Vinyl Seating (1 Air Adjustable Driver Seat, Fixed Officer)
- Heat, AC, Defrost
- West Coast Polished Heated & Remote Controlled Mirrors
- 16,000 lb. Rated Front Axle
- 27,000 lb. Rated Rear Axle
- Polished Aluminum Wheels with Lug and Hub Trim
- Heavy Traction Michelin Tires (Front-XZY3, Rear XDS2)
- 350 HP Cummins L9
- Clutch Fan System for Cold Climate Use
- Allison 3000 Automatic Transmission with Rear Driver Controlled Differential Lock
- 1 O'clock PTO Access
- Point to Point 12 Volt DC System
- 275 Amp Alternator
- 2 Battery System with External Jumper Studs for Easy Boosting
- 40 Amp Auxiliary Power for Radios in Console
- 2 Manufacturer Supplied and Roof Mounted Antennas with Cables Routed to Console
- RUD Driver Controlled Traction Chains
- Kussmaul Pump Plus 1000 Battery Conditioner with Air Compressor and Auto Eject Receptacle
- Kussmaul Auto Eject Backup Air Inlet
- Air Horns Hood Mounted
- Centre Console for Radios and Control Switches
- Full Checker Plate Aluminum Cab Step Enclosures



## Cape Breton Regional Fire Chiefs' Association

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### Body And Fire Pack

- 1/8" Aluminum Body with Roll Up Doors
- Up To 144" Long and 102" Wide
- Mid Side, Half Depth Left, & Mid Side Half Depth Right Compartments (16" Deep Uppers With 26" Deep Lower) 6 Compartments
- 2 Adjustable Shelves
- 1-500lb Rated Roll Out Trays
- Storage for 4 30 Minute SCBA Cylinders in Rear Wheel Wells
- Storage for 2 10' x 6" Lengths PVC Suction Hose Inside Rear Body Under T of Tank (1 Each Side)
- Side Body Manual Swing Down Ladder Rack Right Side over Compartments
- Open Tube Manual Swing Down Porta Tank Rack Left Side Body
- HD EZ Climb Rear Access Ladder System with Hand Rails
- 48" Rear Upper Body Intermediate Step
- Rear Hosebed with Aluminum Slat Base
- 1 Adjustable Hosebed Divider
- Vinyl Hosebed Cover with Elastic Shock Cord Attachments

### Tank, Pump And Plumbing

- 1500 Imperial Gallon Poly Water Tank
- Firemen's Friend 4" Semi-Automatic Direct Rear Tank Fill with Storz Elbow
- Newton 10" Square Rear Dump Valve with Extendable Swivel Chute and Manual Control
- Side Mount Pump Operators Panel (Lin X Black Coated) with Low Crosslay Beds (1 Divider)
- Hinged Aluminum Crosslay Cover with End Flaps
- Hinged Side Pump Panels for Easy Access when Completing Service
- 2 Roll Out Steps at Running Board to Assist Reloading Hose (1 Each Side)
- Minimum 420 Imperial Gallon Per Minute Midship Direct Drive PTO Pump (Pump And Roll Capable)
- Air Primer with Automatic Mode
- Electric Governor System with Twist Knob Style Speed Control
- Dual Scale (PSI/KPA) Liquid Filled Pressure Gauges
- Dual LED Water Level Gauges (1 On Pump Panel And 1 On Rear Body)
- Stainless Steel Piping/Plumbing
- 30,000 BTU Pump Heater with Removable Heat Pan and Rubber Body Seal
- 3" Tank to Pump Supply
- 2" Tank Refill

### Inlets

- 1 6" Steamer Suction Left Side With Akron Butterfly Valve
- 1 6" Steamer Suction Right Side With Akron Butterfly Valve

### Outlets

- 2 2" Pump House Crosslays
- 1 2.5" Left Side
- 1 2.5" Right Side



## Cape Breton Regional Fire Chiefs' Association

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B1A 2Y4



### Electrical 12V

- 12 Volt Point to Point System with Load Manager and High Idle
- Ground, CMVSS, Step and Interior Cab Lights (All LED)
- All Compartments to Have LED Tube Lights
- Zone Defense Backup Camera System
- 200 Watt RMS Siren with 2-100 Watt Speakers
- 62" LED Lightbar on Roof with 4 Red Corners, 4 Red Forward Facing Heads and 2 White Forward Facing Heads
- White Light Disable Switch
- 2 Rear Red Rotary Style LED Beacons on Rear Upper Body
- 8 4X6 Red LED Warning Heads Lower Level (2 Front Grille, 1 Each Side Front Bumper, 1 Each Side Rear Step Housing and 2 Rear Facing)
- 2 2XS Red LED Warning Heads 2 Lower Mid Body in Rubrail
- 1 Rear Upper Body Mounted 24" Amber LED Traffic Directional Stick with Auto On Feature
- 4 Upper Body LED Loading Lights (2 at Front and 2 at Rear of Hose Bed)
- 6 LED Gradient Scene Lights Mounted 2 Left Side, 2 Right Side and 2 Rear Body (Rear Scene Lights Have Auto On with Reverse)
- 2 FRC Optimum 150 Watt HID 12 Volt Push Up Telescopic Flood Lights (One On Each Side Pump House)

### Decals

- 3M Decals Per CBRM Fleet
- Rear Body Chevron
- Side Body 4" Stripe With 1" Accent Above and Below

### Additional Supplied Equipment

- 2 10' X 6" PVC Flexible Suction Hoses
- 1 Set of Large Folding Wheel Chocks with Mounts
- 1 14' Aluminum Roof Ladder with Hooks
- 1 24' Aluminum 2 Section Extension Ladder
- 1 10' Folding Attic Ladder
- 1 8' Pike Pole with Fiberglass Handle
- 1 10' Pike Pole with Fiberglass Handle
- 1 6lb Flat Head Axe with Fiberglass Handle and Mount
- 2 6lb Pick Head Axe with Fiberglass Handle and Mount
- 1-2100 US Gallon Porta Tank with Aluminum Frame
- 2 SCBA Mount Brackets On Roll Out Tray

**2 Door Single Axle Water Tender \$312,940.00 Plus HST**



**Cape Breton Regional Fire Chiefs' Association**  
19 Rosewood Avenue  
Glace Bay, Nova Scotia  
B1A 2Y4



**Freightliner Commercial 2 Door Tandem Axle Water Tender ULC Certified**



**Chassis**

- Tandem Axle Chassis (2 Toned Paint Scheme White Over Red)
- Freightliner M2 112 2 Door Cab, Seating For 2 Personnel
- Full Length Cab Doors
- Bostrom Vinyl Seating (1 Air Adjustable Driver Seat, Fixed Officer)
- Heat, AC, Defrost
- West Coast Polished Heated & Remote Controlled Mirrors
- 18,000 lb. Rated Front Axle
- 46,000 lb. Rated Rear Tandem Axle
- Polished Aluminum Wheels with Lug and Hub Trim
- Heavy Traction Michelin Tires (Front-XZY3, Rear XDS2)
- 380 HP Cummins L9
- Clutch Fan System for Cold Climate Use
- Allison 3000 Automatic Transmission with Rear Driver Controlled Differential Lock
- 1 O'clock PTO Access
- Point to Point 12 Volt DC System
- 275 Amp Alternator
- 2 Battery System with External Jumper Studs for Easy Boosting
- 40 Amp Auxiliary Power for Radios in Console
- 2 Manufacturer Supplied and Roof Mounted Antennas with Cables Routed to Console
- RUD Driver Controlled Traction Chains
- Kussmaul Pump Plus 1000 Battery Conditioner with Air Compressor and Auto Eject Receptacle
- Kussmaul Auto Eject Backup Air Inlet
- Air Horns Hood Mounted
- Centre Console for Radios and Control Switches
- Full Checker Plate Aluminum Cab Step Enclosures



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### Body And Fire Pack

- 1/8" Aluminum Body with Roll Up Doors
- Up to 220" Long and 102" Wide
- Mid Side, Half Depth Left, & Mid Side Half Depth Right Compartments (16" Deep Uppers With 26" Deep Lower) 6 Compartments
- 2 Adjustable Shelves
- 2-500lb Rated Roll Out Trays
- Storage for 6 30 Minute SCBA Cylinders in Rear Wheel Wells
- Storage for 2 10'x 5" Lengths PVC Suction Hose Inside Rear Body Under T of Tank (1 Each Side)
- Side Body Manual Swing Down Ladder Rack Right Side Over Compartments
- Open Tube Manual Swing Down Porta Tank Rack Left Side Body
- HD EZ Climb Rear Access Ladder System with Hand Rails
- 48" Rear Upper Body Intermediate Step
- Rear Hosebed with Alum Slat Base
- 1 Adjustable Hosebed Divider
- Vinyl Hosebed Cover with Elastic Shock Cord Attachments

### Tank, Pump And Plumbing

- 2500 Imperial Gallon Poly Water Tank
- Firemen's Friend 4" Semi-Automatic Direct Rear Tank Fill with Storz Elbow
- Newton 10" Square Rear Dump Valve with Extendable Swivel Chute and Manual Control
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- 2 Roll Out Steps at Running Board to Assist Reloading Hose (1 Each Side)
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- 3" Tank to Pump Supply
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### Inlets

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### Outlets

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- 1 2.5" Left Side
- 1 2.5" Right Side



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Glace Bay, Nova Scotia  
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- All Compartments to Have LED Tube Lights
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- 200 Watt RMS Siren with 2-100 Watt Speakers
- 62" LED Lightbar on Roof with 4 Red Corners, 4 Red Forward Facing Heads and 2 White Forward Facing Heads.
- White Light Disable Switch
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- 1 Rear Upper Body Mounted 24" Amber LED Traffic Directional Stick with Auto On Feature
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- Side Body 4" Stripe With 1" Accent Above And Below

### Additional Supplied Equipment

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- 1 Set of Large Folding Wheel Chocks with Mounts
- 1 14' Aluminum Roof Ladder with Hooks
- 1 24' Aluminum 2 Section Extension Ladder
- 1 10' Folding Attic Ladder
- 1 8' Pike Pole with Fiberglass Handle
- 1 10' Pike Pole with Fiberglass Handle
- 1 6lb Flat Head Axe with Fiberglass Handle and Mount
- 2 6lb Pick Head Axe with Fiberglass Handle and Mount
- 1-3000 US Gallon Porta Tank with Aluminum Frame
- 2 SCBA Mount Brackets on Roll Out Tray

**2 Door Tandem Axle Water Tender \$349,240.00 Plus HST \$52,386**



**Cape Breton Regional Fire Chiefs' Association**  
19 Rosewood Avenue  
Glace Bay, Nova Scotia  
B1A 2Y4



**Freightliner Commercial 4 Door Pumper ULC Certified**



**Chassis**

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- Full Length Cab Doors
- Bostrom Vinyl Seating (1 Air Adjustable Driver Seat, Fixed Officer, 3 Forward Facing Fixed Seats)
- Bostrom Secureall SCBA Brackets (4)
- Heat, AC, Defrost
- West Coast Polished Heated & Remote Controlled Mirrors
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- Kussmaul Auto Eject Backup Air Inlet
- Air Horns Hood Mounted
- Centre Console for Radios and Control Switches
- Full Checker Plate Aluminum Cab Step Enclosures with Compartments Under Rear Doors

### Body And Fire Pack

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- 2-500lb Rated Roll Out Trays
- Storage for 8 30 Minute SCBA Cylinders in Rear Wheel Wells
- Storage for 2 10'x 6" Lengths PVC Suction Hose Inside Rear Body Under T of Tank (1 Each Side)
- Dual Arm Hydraulic Ladder Rack, Right Side Over Compartments
- HD EZ Climb Rear Access Ladder System with Hand Rails
- 48" Rear Upper Body Intermediate Step
- Rear Hosebed with Alum Slat Base
- 2 Adjustable Hosebed Dividers
- Vinyl Hosebed Cover with Elastic Shock Cord Attachments

### Tank, Pump And Plumbing

- 1000 Imperial Gallon Poly Water Tank
- Firemen's Friend 4" Semi-Automatic Direct Rear Tank Fill with Storz Elbow
- 20 US Gallon Foam Cell
- Side Mount Pump Operators Panel (Lin X Black Coated) with Low Crosslay Beds (1 Divider)
- Hinged Aluminum Crosslay Cover with End Flaps
- Hinged Side Pump Panels for Easy Access when Completing Service
- 2 Roll Out Steps at Running Board to Assist Reloading Hose (1 Each Side)
- Intermediate Step Right Side Pump Panel
- Minimum 1250 Imperial Gallon Per Minute Midship Direct Drive PTO Pump (Pump And Roll Capable)
- Air Primer with Automatic Mode
- Electric Governor System with Twist Knob Style Speed Control
- Dual Scale (PSI/KPA) Liquid Filled Pressure Gauges
- Dual LED Water/Foam Level Gauge
- Stainless Steel Piping/Plumbing
- Foam Pro 1600 1% Injection Type Foam System (Plumbed to both Crosslays)
- 30,000 BTU Pump Heater with Removable Heat Pan and Rubber Body Seal
- 3" Tank to Pump Supply
- 2" Tank Refill

### Inlets

- 1 2.5" Left Side



## Cape Breton Regional Fire Chiefs' Association

19 Rosewood Avenue  
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- 1 6" Steamer Suction Left Side with TFT Intake Valve
- 1 6" Steamer Suction Right Side with TFT Intake Valve

### Outlets

- 2 2" Pump House Crosslays
- 1 2" Left Side Front of Hosebed
- 1 2.5" Right Side Front of Hosebed
- 1 2.5" Left Side
- 1 3" Monitor Discharge Over Pump House
- 1 2.5" Right Side
- 1 4" Storz Right Side

### Electrical 12V

- 12 Volt Point to Point System with Load Manager and High Idle
- Ground, CMVSS, Step and Interior Cab Lights (All LED)
- All Compartments to Have LED Tube Lights
- Zone Defense Backup Camera System
- 200 Watt RMS Siren with 2-100 Watt Speakers
- 62" LED Lightbar on Roof with 4 Red Corners, 4 Red Forward Facing Heads and 2 White Forward Facing Heads
- White Light Disable Switch
- 2 Rear Red Rotary Style LED Beacons on Rear Upper Body
- 8 4X6 Red LED Warning Heads Lower Level (2 Front Grille, 1 Each Side Front Bumper, 1 Each Side Rear Step Housing and 2 Rear Facing)
- 2 2X5 Red LED Warning Heads 2 Lower Mid Body in Rubrail
- 1 Rear Upper Body Mounted 24" Amber LED Traffic Directional Stick with Auto On Feature
- 4 Upper Body LED Loading Lights (2 at Front and 2 at Rear of Hose Bed)
- 6 LED Gradient Scene Lights Mounted 2 Left Side, 2 Right Side and 2 Rear Body (Rear Scene Lights Have Auto On With Reverse)

### Electrical 110V

- Honda 5000 Watt Gas Generator Right Front Lower Compartment
- Circuit Breaker Station
- Power Transfer Switch from Generator to Shore Power
- 4 Duplex Power Outlets
- 2 750 Watt Side Mount Push Up Telescopic Flood Lights (1 Each Side Pump Panels)

### Decals

- 3M Decals Per CBRM Fleet
- Rear Body Chevron
- Side Body 4" Stripe with 1" Accent Above and Below

### Additional Supplied Equipment

2 10' X 6" PVC Flexible Suction Hoses



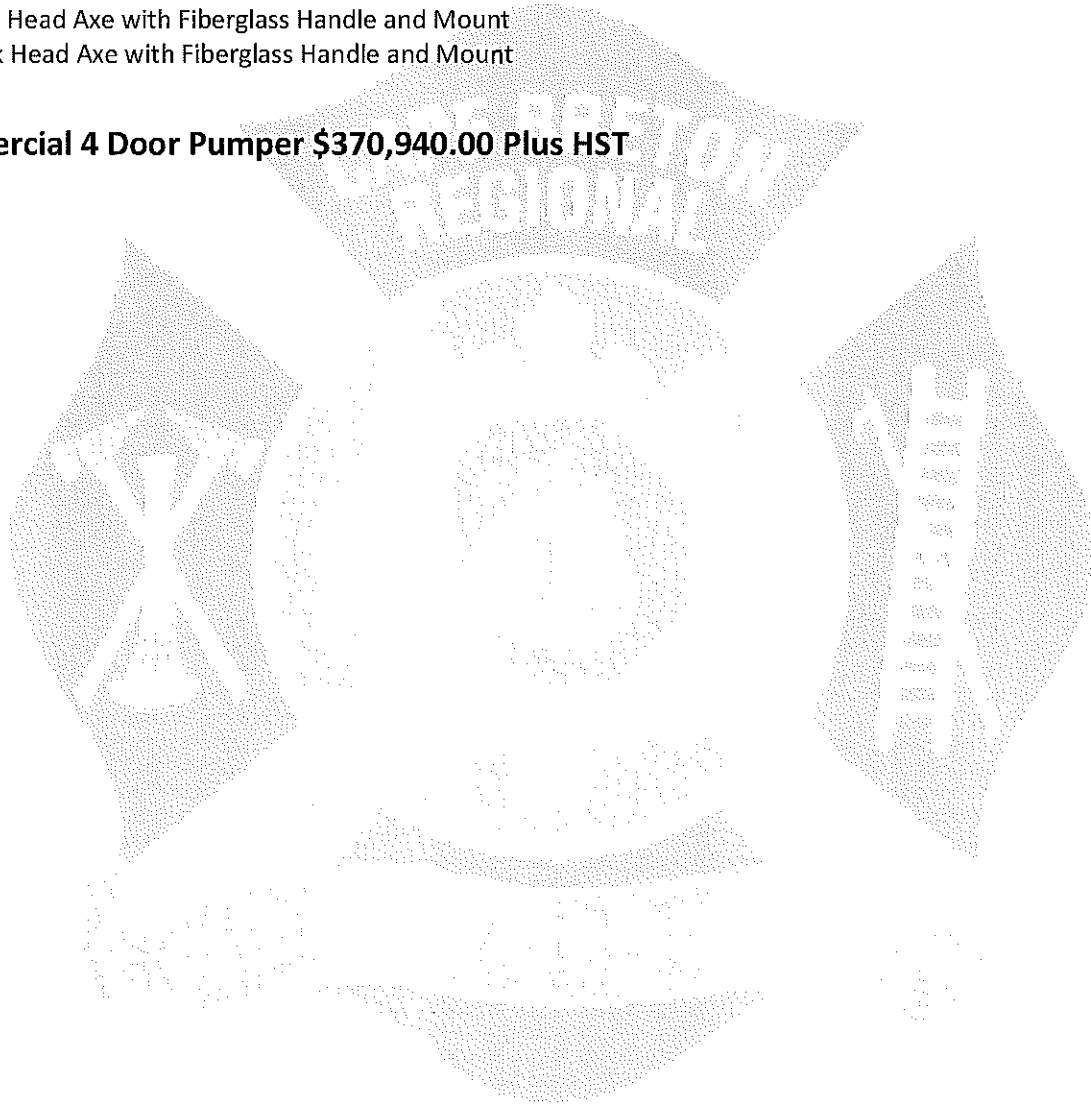
## Cape Breton Regional Fire Chiefs' Association

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Glace Bay, Nova Scotia  
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- 1 Set of Large Folding Wheel Chocks with Mounts
- 1 14' Aluminum Roof Ladder with Hooks
- 1 24' Aluminum 2 Section Extension Ladder
- 1 10' Folding Attic Ladder
- 1 8' Pike Pole with Fiberglass Handle
- 1 10' Pike Pole with Fiberglass Handle
- 1 6lb Flat Head Axe with Fiberglass Handle and Mount
- 2 6lb Pick Head Axe with Fiberglass Handle and Mount

**Commercial 4 Door Pumper \$370,940.00 Plus HST**





**Cape Breton Regional Fire Chiefs' Association**  
19 Rosewood Avenue  
Glace Bay, Nova Scotia  
B1A 2Y4



**Custom Pumper ULC Certified**



**Chassis**

- Chassis (2 Toned Paint Scheme White Over Red)
- 99" Wide 4 Door Cab, Seating for 6 Personnel
- 54" Extension with 11" Raised Roofline
- Full Length Cab Doors
- Bostrom Vinyl Seating (1 Electric Adjustable Driver Seat, Fixed Officer, 2 Rear Facing Flip Up and 2 Forward Facing Flip Up Seats)
- Bostrom Secureall SCBA Brackets (5)
- Engine Tunnel Mounted Heat & AC Unit
- 3D Chrome Grille With Fluid Check Access without Tilting Cab
- Retractable Polished Heated & Remote Controlled Mirrors
- 18,000 lb. Rated Front Axle
- 27,000 lb. Rated Rear Axle
- Polished Aluminum Wheels with Lug and Hub Trim
- Heavy Traction Michelin Tires (Front-XZU-S2 L, Rear XDN2H)
- Double Channel Frame (Required Based on Body, Water and Foam Tank Size and Weight)
- 380 HP Cummins L9
- Clutch Fan System for Cold Climate Use
- Allison 3000 Automatic Transmission with Rear Driver Controlled Differential Lock
- 1 O'clock PTO Access
- Point to Point 12 Volt DC System
- 275 Amp Alternator
- 6 Battery System with External Jumper Studs for Easy Boosting
- 40 Amp Auxiliary Power for Radios in Console
- 2 Manufacturer Supplied and Roof Mounted Antennas with Cables Routed to Console
- RUD Driver Controlled Traction Chains
- Kussmaul Pump Plus 1000 Battery Conditioner with Air Compressor and Auto Eject Receptacle



## Cape Breton Regional Fire Chiefs' Association

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- Kussmaul Auto Eject Backup Air Inlet
- Air Horns Hood Mounted in Front Bumper

### Body And Fire Pack

- 1/8" Aluminum Body with Roll Up Doors
- Up to 160" Long and 102" Wide
- High Side, Half Depth Left, & High Side, Half Depth Right Compartments (16" Deep Uppers with 26" Deep Lower) 7 Compartments
- 11 Adjustable Shelves
- 2-500 lb. Rated Roll Out Trays
- Storage for 12 30 Minute SCBA Cylinders in Rear Wheel Wells
- Storage for 2 10' x 6" Lengths PVC Suction Hose Inside Rear Body Under T Of Tank (1 Each Side)
- Dual Arm Hydraulic Ladder Rack, Right Side Over Compartments
- HD EZ Climb Rear Access Ladder System with Hand Rails
- 48" Rear Upper Body Intermediate Step
- Rear Hosebed with Aluminum Slat Base
- 2 Adjustable Hosebed Dividers
- Vinyl Hosebed Cover with Elastic Shock Cord Attachments

### Tank, Pump And Plumbing

- 800 Imperial Gallon Poly Water Tank
- 20 US Gallon Foam Cell
- Side Mount Pump Operators Panel (Lin X Black Coated) with Low Crosslay Beds (1 Divider)
- Hinged Aluminum Crosslay Cover with End Flaps
- Hinged Side Pump Panels for Easy Access when Completing Service
- 2 Roll Out Steps at Running Board to Assist Reloading Hose (1 Each Side)
- Intermediate Step Right Side Pump Panel
- Minimum 1250 Imperial Gallon Per Minute Midship Direct Drive PTO Pump (Pump And Roll Capable)
- Air Primer with Automatic Mode
- Electric Governor System with Twist Knob Style Speed Control
- Dual Scale (PSI/KPA) Liquid Filled Pressure Gauges
- Dual LED Water/Foam Level Gauge
- Stainless Steel Piping/Plumbing
- Foam Pro 1600 1% Injection Type Foam System (Plumbed to Front Trash Line and Both Crosslays)
- 30,000 BTU Pump Heater with Removable Heat Pan and Rubber Body Seal
- 3" Tank to Pump Supply
- 2" Tank Refill

### Inlets

- 1 2.5" Left Side
- 1 6" Steamer Suction Left Side with TFT Intake Valve
- 1 6" Steamer Suction Right Side with TFT Intake Valve



## Cape Breton Regional Fire Chiefs' Association

19 Rosewood Avenue  
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### Outlets

- 1 2" Front Bumper Trashline
- 2 2" Pump House Crosslays
- 1 2" Left Side Front of Hosebed
- 1 2.5" Right Side Front of Hosebed
- 1 2.5" Left Side
- 1 3" Monitor Discharge Over Pump House
- 1 2.5" Right Side
- 1 4" Storz Right Side

### Electrical 12V

- 12 Volt Point to Point System with Load Manager and High Idle
- Ground, CMVSS, Step and Interior Cab Lights (All LED)
- All Compartments to have LED Tube Lights
- Zone Defense Backup Camera System
- 200 Watt RMS Siren with 2-100 Watt Speakers
- 72" LED Lightbar on Roof with 4 Red Corners, 4 Red Forward Facing Heads and 2 White Forward Facing Heads
- White Light Disable Switch
- 2 Rear Red Rotary Style LED Beacons on Rear Upper Body
- 10 4X6 Red LED Warning Heads Lower Level (4 Front Grille, 1 Each Side Front Bumper, 1 Each Side Rear Step Housing and 2 Rear Facing)
- 4 2X5 Red LED Warning Heads 2 Mid Side Cab 2 Lower Mid Body in Rubrail
- 1 Rear Upper Body Mounted 24" Amber LED Traffic Directional Stick with Auto On Feature
- 4 Upper Body LED Loading Lights (2 at Front and 2 at Rear Of Hose Bed)
- 6 LED Gradient Scene Lights Mounted 2 Left Side, 2 Right Side and 2 Rear Body (Rear Scene Lights Have Auto On with Reverse)
- Rear Wheel LED Bow Reverse Flood Lights

### Electrical 110V

- Honda 5000 Watt Gas Generator Right Front Lower Compartment
- Circuit Breaker Station
- Power Transfer Switch from Generator to Shore Power
- 4 Duplex Power Outlets
- 2 750 Watt Side Mount Push Up Telescopic Flood Lights (1 Each Side Pump Panels)

### Decals

- 3M Decals Per CBRM Fleet
- Rear Body Chevron
- Side Body 4" Stripe with 1" Accent Above and Below

### Additional Supplied Equipment

- 2 10' X 6" PVC Flexible Suction Hoses
- 1 Set of Large Folding Wheel Chocks with Mounts



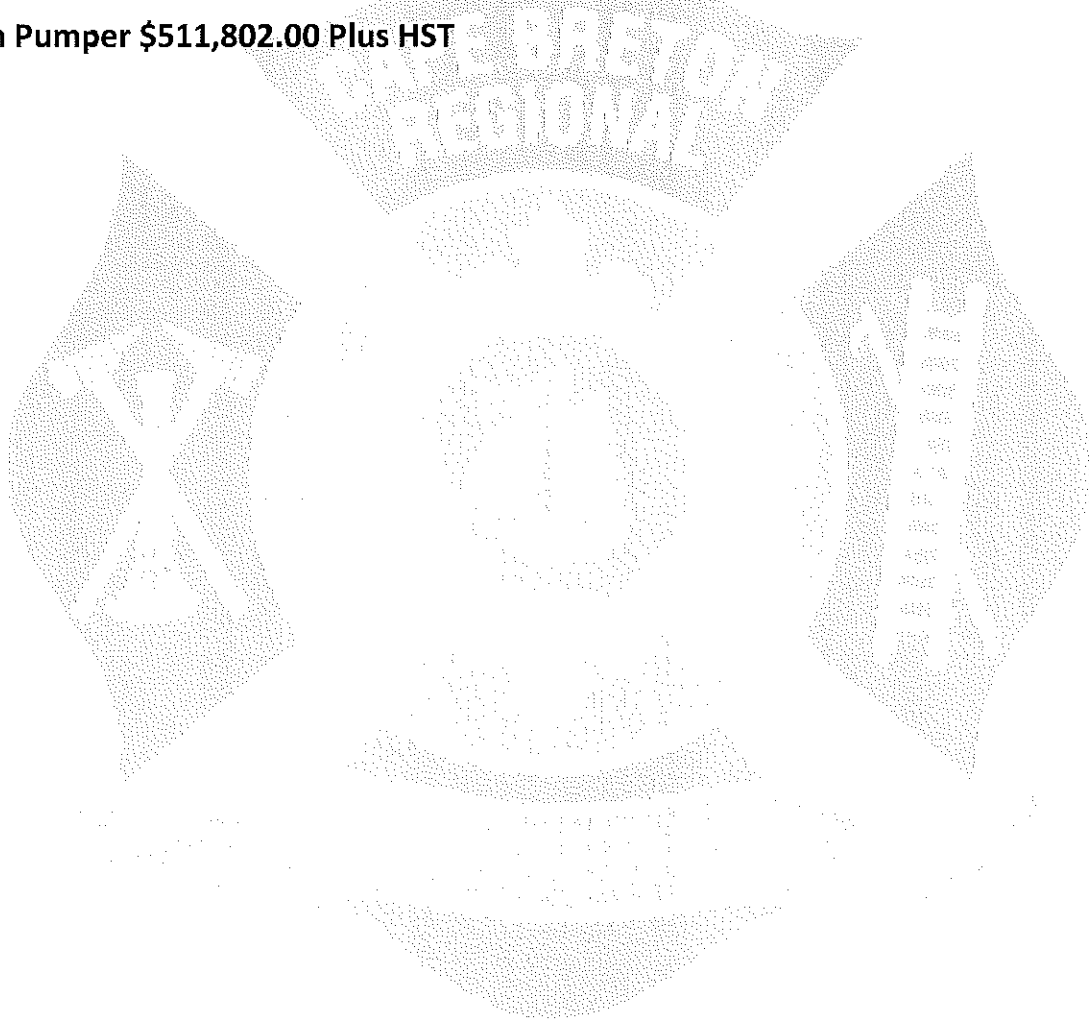
## Cape Breton Regional Fire Chiefs' Association

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- 1 14' Aluminum Roof Ladder with Hooks
- 1 24' Aluminum 2 Section Extension Ladder
- 1 10' Folding Attic Ladder
- 1 8' Pike Pole with Fiberglass Handle
- 1 10' Pike Pole with Fiberglass Handle
- 1 6lb Flat Head Axe with Fiberglass Handle and Mount
- 2 6lb Pick Head Axe with Fiberglass Handle and Mount

**Custom Pumper \$511,802.00 Plus HST**





**Cape Breton Regional Fire Chiefs' Association**  
19 Rosewood Avenue  
Glace Bay, Nova Scotia  
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**Multi-Purpose Support Vehicle**



**Chassis**

- Dodge RAM 3500 ST 4 Door Crew Cab
- Single Flame Red Paint
- 40/20/40 Bench Seating (Vinyl)
- Vinyl Floors
- 6.4 L HEMI Gas Engine
- 180 Amp Alternator
- Auto Transmission, 4X4 Shift on The Fly
- Class III Trailer Hitch with Trailer Brake
- Tinted Rear Windows
- Power Front Windows
- Power Locks
- Black Side Steps
- Upgraded Off Road Tires
- Basic Backup Camera System
- Blue Tooth Radio Option
- Basic Straight Back Fiberglass Cap with Solid Rear Flip Up Door (Uses Factory Tail Gate) White In Color
- 2000 LB Roll Out Cargo Bed Slide

**Emergency Warning Equipment Includes**

- Code 3 21TR Plus 54" with 4 Red Corners, 6 (4pin) Forward And 6 (4 Pin) Rear Facing LED Warning Heads
- 4 Code 3 MR6 Grille Lights (2 Red, 2 White)



## Cape Breton Regional Fire Chiefs' Association

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- 4 Code 3 4 Pack Hide A Blast Heads (2 Front Side Corners, 2 Rear Side Corners)
- 2 Code 3 4 Pack Hide A Blast Heads Lower Back Body
- 2 Code 3 MR6 Light Heads Upper Back Cap
- 1 Code 3 Back Up Alarm
- 1 Code 3 100 Watt H2 Covert Hand Held Siren
- 1 Code 3 100 Watt Siren Speaker
- 4 LED Surface Mount Scene Lights (1 Each Side, 2 Rear)
- Short Floor Console for TMR and VHF Radios
- 2 Antenna Bases with Wiring Mounted on Cab Roof
- 110V Manual AC Shoreline in Cap
- 110V/12V Battery Maintainer
- 110V AC Receptacle in Cab

### Decals

Unit Decaled With 3M Reflective Vinyl Trim

1" X 4" X 1" White Down Each Side

CBRM Door Decal

Fire Department Name in Door Stripe

Chevron on Rear Upper Cap Door.

**Multi-Purpose Support Vehicle \$58,135.00 Plus HST**



Cape Breton Regional Fire Chiefs' Association  
19 Rosewood Avenue  
Glace Bay, Nova Scotia  
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# Current Inventory

| DISTRICT 1          |                     |                     |                     |                     |              |
|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|
| SS Boularderie      | Florence            | Sydney Mines        | North Sydney        |                     |              |
| 2010 Engine         | 1999 Engine         | 2009 Engine         | 2008 Engine         |                     |              |
| 1988 Engine/Tanker  | 1998 Engine         | 2013 Engine         | 2017 Engine         |                     |              |
| 1989 Engine/Tanker  | 2002 Utility SUV    | 2014 Engine         | 2005 Utility SUV    |                     |              |
| 1997 Utility Pickup | 2009 Ambulance      | 2009 Utility Pickup | 2015 Utility Pickup |                     |              |
|                     | 2012 Utility Pickup | 2012 Utility Pickup | 2012 Aerial         |                     |              |
| DISTRICT 2          |                     |                     |                     |                     |              |
| Georges River       | Christmas Island    | Balsdale            | Fredericville       |                     |              |
| 1992 Engine         | 1990 Engine         | 1999 Engine         | 1999 Engine         |                     |              |
| 2004 Tanker         | 2002 Tanker         | 1998 Tanker         | 2008 Tanker         |                     |              |
| 2003 Utility Pickup | 2005 Utility Pickup | 2008 Utility SUV    |                     |                     |              |
|                     |                     |                     |                     |                     |              |
| DISTRICT 3          |                     |                     |                     |                     |              |
| Westmount           | Coxheath            | East Bay            | Big Pond            | Northside East Bay  | Howie Centre |
| 2000 Engine         | 2000 Engine         | 2006 Pumper         | 2005 Engine         | 2000 Pumper         | 1990 Engine  |
| 1998 Tanker         | 2006 Tanker         | 1991 Tanker         | 1991 Engine         | 2006 Tanker         | 2003 Tanker  |
| 2005 Pickup Utility | 2008 Utility Van    |                     | 2003 Utility Pickup | 2007 Utility Pickup |              |
| 1999 Pickup Utility |                     |                     |                     |                     |              |
| DISTRICT 4          |                     |                     |                     |                     |              |
| Sydney River        | Sydney              | Mira Road           | South Star          | Grand Lake Road     |              |
| 2000 Engine         | 2014 Engine         | 2015 Tanker         | 1990 Engine         | 1999 Engine         |              |
| 2011 Engine         | 2012 Engine         | 2000 Engine         | 2002 Tanker         | 2003 Engine         |              |
| 2008 Rescue         | 2005 Platform       | 2001 Utility Pickup | 2014 Utility Pickup | 2015 Utility Pickup |              |
|                     | 2017 Utility Pickup |                     |                     |                     |              |
|                     | 2017 Utility Pickup |                     |                     |                     |              |
|                     | 2017 Utility Pickup |                     |                     |                     |              |
| DISTRICT 5          |                     |                     |                     |                     |              |
| Albert Bridge       | Balston             | Marion Bridge       | Gabarus             | Louisbourg          |              |
| 2000 Engine         | 2018 Engine         | 1994 Pumper         | 1990 Pumper         | 2001 Engine         |              |
| 2005 Tanker         | 2004 Tanker         | 1999 Tanker         | 1990 Tanker         | 1988 Tanker         |              |
| 1998 Utility Pickup | 2011 Utility Van    | 2009 Tanker         |                     | 1994 Utility Van    |              |
|                     |                     |                     |                     |                     |              |
| DISTRICT 6          |                     |                     |                     |                     |              |
| New Victoria        | Scotchtown          | New Waterford       |                     |                     |              |
| 2011 Engine         | 2006 Engine         | 2016 Engine         |                     |                     |              |
| 2006 Tanker         | 2010 Tanker         | 1997 Engine         |                     |                     |              |
| 2016 Utility Pickup |                     | 1999 Utility Pickup |                     |                     |              |
| 2008 Utility SUV    |                     | 2005 Utility Pickup |                     |                     |              |
|                     |                     | 2015 Utility Pickup |                     |                     |              |
| DISTRICT 7          |                     |                     |                     |                     |              |
| Reserve Mines       | Dominion            | Glace Bay           |                     |                     |              |
| 2010 Engine         | 2000 Engine         | 2006 Engine         |                     |                     |              |
| 2001 Tanker         | 2005 Engine         | 2012 Aerial         |                     |                     |              |
| 2016 Utility Pickup | 1979 Utility Pickup | 2012 Engine         |                     |                     |              |
| 2000 Utility Pickup | 2011 Utility Pickup | 2016 Rescue         |                     |                     |              |
|                     | 2007 Utility SUV    | 2017 Utility Pickup |                     |                     |              |
| DISTRICT 8          |                     |                     |                     |                     |              |
| Birch Grove         | Tower Road          | Port Maitland       | Donkin              |                     |              |
| 2004 Engine         | 2001 Engine         | 1996 Engine         | 2000 Engine         |                     |              |
| 2004 Tanker         | 2008 Tanker         | 1994 Tanker         | 2008 Tanker         |                     |              |
|                     | 2003 Utility Pickup |                     |                     |                     |              |
|                     |                     |                     |                     |                     |              |



25+ Years Old  
20 - 25 Years Old  
15 - 20 Years Old  
0 - 15 Years Old

1992+  
1993-1997  
1998-2002  
2003-2017

# Apparatus Replacement Plan

|                             |                     |  |
|-----------------------------|---------------------|--|
| <b>2018/2019</b>            |                     |  |
| Southside Boularderie       |                     |  |
| 1500 Gallon Pumper Tanker   | \$ 351,775          |  |
| Support Vehicle             | 58,135              |  |
| Christmas Island            |                     |  |
| 1500 Gallon Pumper Tanker   | 351,775             |  |
| Support Vehicle             | 58,135              |  |
| New Victoria                |                     |  |
| 2500 Gallon Water Tender    | 349,240             |  |
| Loulsbourg                  |                     |  |
| Support Vehicle             | 58,135              |  |
| Reserve Mines               |                     |  |
| 800 Gallon Custom Engine    | 511,802             |  |
| <b>Total Cost 2018/2019</b> | <b>\$ 1,738,997</b> |  |

|                             |                     |  |
|-----------------------------|---------------------|--|
| <b>2019/2020</b>            |                     |  |
| Glace Bay                   |                     |  |
| 800 Gallon Custom Engine    | \$ 522,038          |  |
| Florence                    |                     |  |
| 1500 Gallon Tender          | 319,199             |  |
| Support Vehicle             | 59,298              |  |
| Boisdale                    |                     |  |
| 1500 Gallon Pumper Tanker   | 358,811             |  |
| Support Vehicle             | 59,298              |  |
| Albert Bridge               |                     |  |
| Support Vehicle             | 59,298              |  |
| Tower Road                  |                     |  |
| Support Vehicle             | 59,298              |  |
| Mira Road                   |                     |  |
| Support Vehicle             | 59,298              |  |
| Howie Centre                |                     |  |
| 1500 Gallon Tender          | 319,199             |  |
| <b>Total Cost 2019/2020</b> | <b>\$ 1,815,735</b> |  |

|                             |                     |  |
|-----------------------------|---------------------|--|
| <b>2020/2021</b>            |                     |  |
| Sydney                      |                     |  |
| 800 Gallon Custom Engine    | \$ 532,479          |  |
| Georges River               |                     |  |
| 2500 Gallon Water Tender    | 363,349             |  |
| Gabarus                     |                     |  |
| 1500 Gallon Pumper Tanker   | 365,987             |  |
| Support Vehicle             | 60,484              |  |
| Big Pond                    |                     |  |
| Support Vehicle             | 60,484              |  |
| Reserve Mines               |                     |  |
| 2500 Gallon Water Tender    | 363,349             |  |
| <b>Total Cost 2020/2021</b> | <b>\$ 1,746,131</b> |  |

|                               |                     |  |
|-------------------------------|---------------------|--|
| <b>2021/2022</b>              |                     |  |
| Coxheath                      |                     |  |
| 2500 Gallon Water Tender      | \$ 370,616          |  |
| Bateston                      |                     |  |
| 1500 Gallon Tender            | 332,094             |  |
| Big Pond                      |                     |  |
| 1500 Gallon Pumper Tanker     | 373,306             |  |
| Mira Road                     |                     |  |
| 1000 Gallon Commercial Engine | 393,644             |  |
| Donkin                        |                     |  |
| 1500 Gallon Tender            | 332,094             |  |
| <b>Total Cost 2021/2022</b>   | <b>\$ 1,801,756</b> |  |

|                               |                     |  |
|-------------------------------|---------------------|--|
| <b>2022/2023</b>              |                     |  |
| Loulsbourg                    |                     |  |
| 1000 Gallon Commercial Engine | \$ 401,517          |  |
| Scotchtown                    |                     |  |
| 1000 Gallon Commercial Engine | 401,517             |  |
| Dominion                      |                     |  |
| 1000 Gallon Commercial Engine | 401,517             |  |
| Support Vehicle               | 62,927              |  |
| Northside East Bay            |                     |  |
| Support Vehicle               | 62,927              |  |
| Florence                      |                     |  |
| 1000 Gallon Commercial Engine | 401,517             |  |
| <b>Total Cost 2022/2023</b>   | <b>\$ 1,731,924</b> |  |

|                               |                     |  |
|-------------------------------|---------------------|--|
| <b>2023/2024</b>              |                     |  |
| Westmount                     |                     |  |
| 1500 Gallon Tender            | \$ 345,511          |  |
| Support Vehicle               | 64,186              |  |
| Frenchvale                    |                     |  |
| 1500 Gallon Tender            | 345,511             |  |
| Support Vehicle               | 64,186              |  |
| New Waterford                 |                     |  |
| Support Vehicle               | 64,186              |  |
| Grand Lake Road               |                     |  |
| 1000 Gallon Commercial Engine | 409,548             |  |
| Birch Grove                   |                     |  |
| 1000 Gallon Commercial Engine | 409,548             |  |
| <b>Total Cost 2023/2024</b>   | <b>\$ 1,702,675</b> |  |

|                               |                     |  |
|-------------------------------|---------------------|--|
| <b>2024/2025</b>              |                     |  |
| Sydney                        |                     |  |
| 800 Gallon Custom Engine      | \$ 576,372          |  |
| Westmount                     |                     |  |
| 1000 Gallon Commercial Engine | 417,739             |  |
| South Bar                     |                     |  |
| 1000 Gallon Commercial Engine | 417,739             |  |
| Marion Bridge                 |                     |  |
| Support Vehicle               | 65,469              |  |
| New Victoria                  |                     |  |
| Support Vehicle               | 65,469              |  |
| Birch Grove                   |                     |  |
| Support Vehicle               | 65,469              |  |
| Georges River                 |                     |  |
| Support Vehicle               | 65,469              |  |
| <b>Total Cost 2024/2025</b>   | <b>\$ 1,673,727</b> |  |

|                               |                     |  |
|-------------------------------|---------------------|--|
| <b>2025/2026</b>              |                     |  |
| Frenchvale                    |                     |  |
| 1000 Gallon Commercial Engine | \$ 426,093          |  |
| Marion Bridge                 |                     |  |
| 2500 Gallon Water Tender      | 401,167             |  |
| East Bay                      |                     |  |
| 1500 Gallon Tender            | 359,470             |  |
| Donkin                        |                     |  |
| 1000 Gallon Commercial Engine | 426,093             |  |
| Port Morien                   |                     |  |
| Support Vehicle               | 66,779              |  |
| <b>Total Cost 2025/2026</b>   | <b>\$ 1,679,602</b> |  |

|                               |                     |  |
|-------------------------------|---------------------|--|
| <b>2026/2027</b>              |                     |  |
| Tower Road                    |                     |  |
| 1000 Gallon Commercial Engine | \$ 434,615          |  |
| Port Morien                   |                     |  |
| 1000 Gallon Commercial Engine | 434,615             |  |
| Coxheath                      |                     |  |
| Support Vehicle               | 68,114              |  |
| Marion Bridge                 |                     |  |
| 1000 Gallon Commercial Engine | 434,615             |  |
| Hazmat                        |                     |  |
| Logistical Support Unit       | 300,000             |  |
| <b>Total Cost 2026/2027</b>   | <b>\$ 1,671,960</b> |  |

|                               |                     |  |
|-------------------------------|---------------------|--|
| <b>2027/2028</b>              |                     |  |
| Georges River                 |                     |  |
| 1000 Gallon Commercial Engine | \$ 443,308          |  |
| Northside East Bay            |                     |  |
| 1000 Gallon Commercial Engine | 443,308             |  |
| Scotchtown                    |                     |  |
| Support Vehicle               | 69,477              |  |
| Hazmat                        |                     |  |
| Support Vehicle               | 69,477              |  |
| Albert Bridge                 |                     |  |
| 1000 Gallon Commercial Engine | 443,308             |  |
| <b>Total Cost 2027/2028</b>   | <b>\$ 1,468,876</b> |  |

|           | 1500 Gallon<br>Pumper<br>Tanker | 1500 Gallon<br>Tender | 2500 Gallon<br>Tender | 1000 Gallon<br>Commercial<br>Pumper | 800 Gallon<br>Custom<br>Pumper | Support<br>Vehicle |
|-----------|---------------------------------|-----------------------|-----------------------|-------------------------------------|--------------------------------|--------------------|
| 2018/2019 | 351,775                         | 312,940               | 349,240               | 370,940                             | 511,802                        | 58,135             |
| 2019/2020 | 358,811                         | 319,199               | 356,225               | 378,359                             | 522,038                        | 59,298             |
| 2020/2021 | 365,987                         | 325,583               | 363,349               | 385,926                             | 532,479                        | 60,484             |
| 2021/2022 | 373,306                         | 332,094               | 370,616               | 393,644                             | 543,128                        | 61,693             |
| 2022/2023 | 380,773                         | 338,736               | 378,029               | 401,517                             | 553,991                        | 62,927             |
| 2023/2024 | 388,388                         | 345,511               | 385,589               | 409,548                             | 565,071                        | 64,186             |
| 2024/2025 | 396,156                         | 352,421               | 393,301               | 417,739                             | 576,372                        | 65,469             |
| 2025/2026 | 404,079                         | 359,470               | 401,167               | 426,093                             | 587,900                        | 66,779             |
| 2026/2027 | 412,160                         | 366,659               | 409,190               | 434,615                             | 599,658                        | 68,114             |
| 2027/2028 | 420,404                         | 373,992               | 417,374               | 443,308                             | 611,651                        | 69,477             |

|                               |                      |
|-------------------------------|----------------------|
| 1500 Gallon Pumper Tanker     | \$ 1,801,654         |
| 1500 Gallon Tender            | 2,353,078            |
| 2500 Gallon Tender            | 1,847,722            |
| 1000 Gallon Commercial Pumper | 7,140,243            |
| 800 Gallon Custom Pumper      | 2,142,691            |
| Support Vehicles              | 1,445,997            |
| Logistical Support Unit       | 300,000              |
| Total Plan Cost               | <u>\$ 17,031,384</u> |
|                               | \$ 17,031,384        |

|                             |    |               |           |
|-----------------------------|----|---------------|-----------|
| 2006 Tanker (Coxheath)      | to | Port Morien   | 2021/2022 |
| 2009 Tanker (Howie Centre)  | to | Albert Bridge | 2019/2020 |
| 2000 Engine (Mira Road)     | to | Marion Bridge | 2021/2022 |
| 2009 Tanker (Marion Bridge) | to | Tower Road    | 2025/2026 |
| 2006 Tanker (New Victoria)  | to | Louisbourg    | 2018/2019 |
| 2006 Engine (Scotchtown)    | to | Georges River | 2022/2023 |
| 2010 Engine (Reserve Mines) | to | Coxheath      | 2018/2019 |
| 2001 Tanker (Reserve Mines) | to | East Bay      | 2020/2021 |
| 2000 Engine (Dominion)      | to | New Waterford | 2022/2023 |
| 2006 Engine (Glacé Bay)     | to | Howie Centre  | 2019/2020 |
| 2006 Tanker (Donkin)        | to | Boisdale      | 2021/2022 |
| 2014 Engine (Sydney)        | to | Sydney River  | 2020/2021 |
| 2017 Engine (Sydney)        | to | Glacé Bay     | 2024/2025 |
| 2012 Engine (Glacé Bay)     | to | New Waterford | 2024/2025 |



Cape Breton Regional Fire Chiefs' Association  
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## Ten Year Apparatus Plan

### **New Vehicles (62)**

#### **1500 Gallon Pumper Tankers (5)**

These vehicles have been costed at \$351,775 in 2018/2019 and increase 2% each year compounded annually for a total cost of \$1,801,654.

- Southside Boularderie
- Christmas Island
- Boisdale
- Big Pond
- Gabarus

#### **1500 Gallon Tenders (7)**

These vehicles have been costed at \$312,940 in 2018/2019 and increase 2% each year compounded annually for a total cost of \$2,353,078.

- Florence
- Howie Centre
- Bateston
- Donkin
- Westmount
- Frenchvale
- East Bay

#### **2500 Gallon Water Tenders (5)**

These vehicles have been costed at \$349,240 in 2018/2019 and increase 2% each year compounded annually for a total cost of \$1,847,722.

- Georges River
- Coxheath
- Marion Bridge
- New Victoria
- Reserve Mines

#### **1000 Gallon Commercial Pumpers (17)**

These vehicles have been costed at \$370,940 in 2018/2019 and increase 2% each year compounded annually for a total cost of \$7,140,243.

- Mira Road
- Louisbourg
- Scotchtown
- Dominion
- Florence
- Grand Lake Road



## Cape Breton Regional Fire Chiefs' Association

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- Birch Grove
- Westmount
- South Bar
- Frenchvale
- Donkin
- Tower Road
- Port Morien
- Marion Bridge
- Georges River
- Northside East Bay
- Albert Bridge

### 800 Gallon Custom Pumpers (4)

These vehicles have been costed at \$511,802 in 2018/2019 and increase 2% each year compounded annually for a total cost of \$2,142,691.

- Reserve Mines
- Glace Bay
- Sydney (2)

### Support Vehicles (23)

These vehicles have been costed at \$58,135 in 2018/2019 and increase 2% each year compounded annually for a total cost of \$1,445,997.

- Southside Boularderie
- Christmas Island
- Louisbourg
- Florence
- Boisdale
- Albert Bridge
- Tower Road
- Mira Road
- Gabarus
- Big Pond
- Dominion
- Northside East Bay
- Westmount
- Frenchvale
- New Waterford
- Marion Bridge
- New Victoria
- Birch Grove
- Georges River
- Port Morien
- Coxheath



## Cape Breton Regional Fire Chiefs' Association

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- Scotchtown
- Hazmat

### Logistical Support Unit (1)

This vehicle have been costed at \$300,000 for replacement in the year 2026/2027. This is a specialty item used for the Hazardous Materials Team.

- Hazmat

The total cost of the plan works out to be \$17,031,387 over a ten year period. This works out to an average of 1.703 million per year for ten years. This plan would be the ideal situation which would place the CBRM in the best possible position to reduce the overall capital budget to approximately \$700,000 in year eleven of the plan. There would be 10 vehicles remaining in the fleet to be upgraded between 2028 and 2032 and 16 vehicles remaining in the fleet to be upgraded between 2033 and 2038.

In conversation with possible vendors, they would be willing to do a ten year pricing agreement. This ten year pricing agreement would not protect against increases related to NFPA or ULC standards. All budget pricing is prepared in Canadian Dollars. The fluctuation of the American Dollar would affect the pricing of the vehicles which is difficult to predict.

There is also an opportunity to sell off all vehicles which have been removed from service to recover some funds to contribute to the plan.

### Cascaded Vehicles (14)

- 2006 Tanker from Coxheath to Port Morien in 2021/2022
- 2009 Tanker from Howie Centre to Albert Bridge in 2019/2020
- 2000 Engine from Mira Road to Marion Bridge in 2021/2022
- 2009 Tanker from Marion Bridge to Tower Road in 2025/2026
- 2006 Tanker from New Victoria to Louisbourg in 2018/2019
- 2006 Engine from Scotchtown to Georges River in 2022/2023
- 2010 Engine from Reserve Mines to Coxheath in 2018/2019
- 2001 Tanker from Reserve Mines to East Bay in 2020/2021
- 2000 Engine from Dominion to New Waterford in 2022/2023
- 2006 Engine from Glace Bay to Howie Centre in 2019/2020
- 2006 Tanker from Donkin to Boisdale in 2021/2022
- 2014 Engine from Sydney to Sydney River in 2020/2021
- 2017 Engine from Sydney to Glace Bay in 2024/2025
- 2012 Engine from Glace Bay to New Waterford in 2024/2025

# New Inventory (2028)

| DISTRICT 1          |                     |                     |                     |                     |                     |
|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| SS Boularderie      | Florence            | Sydney Mines        | North Sydney        |                     |                     |
| 2019 Pumper         | 2022 Pumper         | 2009 Pumper         | 2008 Pumper         |                     |                     |
| 2018 Pumper Tanker  | 2019 Tanker         | 2018 Pumper         | 2017 Pumper         |                     |                     |
| 2018 Utility Pickup | 2019 Utility Pickup | 2014 Pumper         | 2017 Utility Pickup |                     |                     |
|                     | 2012 Utility Pickup | 2009 Utility Pickup | 2015 Utility Pickup |                     |                     |
|                     |                     | 2012 Utility Pickup | 2012 Ariel          |                     |                     |
| DISTRICT 2          |                     |                     |                     |                     |                     |
| Georges River       | Christmas Island    | Balsdale            | Frenchvale          |                     |                     |
| 2027 Pumper         | 2018 Pumper Tanker  | 2019 Pumper Tanker  | 2025 Pumper         |                     |                     |
| 2023 Tender         | 2018 Utility Pickup | 2019 Utility Pickup | 2023 Tanker         |                     |                     |
| 2024 Utility Pickup |                     |                     | 2023 Utility Pickup |                     |                     |
| DISTRICT 3          |                     |                     |                     |                     |                     |
| Westmount           | Coxheath            | East Bay            | Big Pond            | Northside East Bay  | Howie Centre        |
| 2024 Pumper         | 2010 Pumper         | 2008 Pumper         | 2005 Pumper         | 2027 Pumper         | 2019 Tanker         |
| 2023 Tanker         | 2021 Tender         | 2025 Tanker         | 2021 Pumper Tanker  | 2026 Tanker         | 2006 Pumper         |
| 2023 Pickup Utility | 2026 Utility Pickup |                     | 2020 Utility Pickup | 2022 Utility Pickup | 2017 Utility Pickup |
| DISTRICT 4          |                     |                     |                     |                     |                     |
| Sydney River        | Mira Road           | South Bar           | Grand Lake Road     | Sydney              |                     |
| 2014 Pumper         | 2015 Pumper Tanker  | 2024 Pumper         | 2023 Pumper         | 2020 Pumper         |                     |
| 2011 Pumper         | 2021 Pumper         | 2020 Tanker         | 2003 Pumper         | 2024 Pumper         |                     |
| 2008 Rescue         | 2019 Utility Pickup | 2014 Utility Pickup | 2015 Utility Pickup | 2015 Platform       |                     |
|                     |                     |                     |                     | 2017 Utility Pickup |                     |
|                     |                     |                     |                     | 2017 Utility Pickup |                     |
|                     |                     |                     |                     | 2019 Utility Pickup |                     |
| DISTRICT 5          |                     |                     |                     |                     |                     |
| Albert Bridge       | Batston             | Marlon Bridge       | Gabarus             | Louisbourg          |                     |
| 2027 Pumper         | 2016 Pumper         | 2026 Pumper         | 2020 Pumper Tanker  | 2022 Pumper         |                     |
| 2009 Tanker         | 2021 Tanker         | 2025 Tender         | 2020 Utility Pickup | 2026 Tanker         |                     |
| 2019 Utility Pickup | 2011 Utility Van    | 2014 Utility        |                     | 2018 Utility        |                     |
| DISTRICT 6          |                     |                     |                     |                     |                     |
| New Victoria        | Scotchtown          | New Waterford       |                     |                     |                     |
| 2011 Pumper         | 2022 Pumper         | 2016 Pumper         |                     |                     |                     |
| 2018 Tender         | 2010 Tanker         | 2012 Pumper         |                     |                     |                     |
| 2016 Utility Pickup | 2027 Utility Pickup | 2023 Utility Pickup |                     |                     |                     |
| 2024 Utility Pickup |                     | 2015 Utility Pickup |                     |                     |                     |
| DISTRICT 7          |                     |                     |                     |                     |                     |
| Reserve Mines       | Dominion            | Glaca Bay           |                     |                     |                     |
| 2018 Pumper         | 2022 Pumper         | 2019 Pumper         |                     |                     |                     |
| 2020 Tender         | 2006 Pumper         | 2012 Ariel          |                     |                     |                     |
| 2016 Utility Pickup | 2022 Utility Pickup | 2017 Pumper         |                     |                     |                     |
|                     | 2011 Utility Pickup | 2016 Rescue         |                     |                     |                     |
|                     |                     | 2017 Utility Pickup |                     |                     |                     |
| DISTRICT 8          |                     |                     |                     |                     |                     |
| Birch Grove         | Tower Road          | Port Moken          | Donkin              |                     |                     |
| 2023 Pumper         | 2026 Pumper         | 2026 Pumper         | 2025 Pumper         |                     |                     |
| 2005 Tanker         | 2009 Tanker         | 2006 Tanker         | 2021 Tanker         |                     |                     |
| 2024 Utility Pickup | 2019 Utility Pickup | 2025 Utility Pickup | 2016 Utility Pickup |                     |                     |



25 + Years Old  
20 - 25 Years Old  
15 - 20 Years Old  
0 - 15 Years Old

2002+  
2003-2007  
2008-2012  
2013-2017

10 Trucks to be replaced from  
2028 - 2032

16 Trucks to be replaced from  
2033 - 2038



## Fire Services Advisory Committee



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Subject: Operational Standards and Fire Software  
Date: December 12, 2017  
From: Fire Services Advisory Committee  
Distribution: Fire & Emergency Services Committee

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During the Fire Services Organizational Review which was completed in March 2016, it was identified by Manitou that Operational Standards be established to give Fire Departments some guidance as well as set Service Delivery Standards to ensure residents of CBRM are receiving the service they are entitled to. A committee of the Fire Chiefs' Association has been formed as well as a representative from Fire Administration. This committee will work to review the existing internal standards that Fire Administration developed and determine which ones are useful in the short term and which ones can be improved on. This committee is just beginning its work with a hope to have information compiled for the March Fire and Emergency Services Committee meeting.

On the topic of data collection, it was identified by Manitou that data collection software was necessary to track a variety of items including training, personnel records, and equipment records. A representative from the Fire Advisory Committee has recently met with Director of Technology John MacKinnon to identify some of the data that needs to be collected, as well as a strategy on how to implement the procedures associated with collecting it. The initial meeting was very positive and Director John MacKinnon has committed to a workshop with the Cape Breton Regional Fire Chiefs' Association to gather feedback from the Chiefs' on what data/technology they need as well as what some of the wants are in the fire service. This will give him some direction on how to implement the data collection software with the current Computer Aided Dispatch software, which already collects a lot of the data. These two software's can work together, but we want to make sure we collect the right data to ensure accuracy as well as easy input from the end users perspective.

A further report will be provided to the Fire and Emergency Services Committee in March once some progress is realized on these items.

**Excerpt: Draft Fire & Emergency Services Committee Minutes – June 19, 2017**

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**Cape Breton Regional Fire Chiefs Association Report – Allocation of Mechanical Resources for Fleet:**

Mayor Clarke requested that the Cape Breton Regional Fire Chiefs Association discuss the allocation of mechanical resources for the fleet for Volunteer and Career Departments, and provide feedback for a future meeting of the Fire & Emergency Services Committee.



## Cape Breton Regional Fire Chiefs' Association

19 Rosewood Avenue  
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September 22, 2017

**Deborah Campbell**  
**Municipal Clerk**  
**Cape Breton Regional Municipality**  
**320 Esplanade**  
**Sydney, Nova Scotia**  
**B1P 7B9**

**Re: Mechanical Services**

**Dear Ms. Campbell,**

The Cape Breton Regional Fire Chiefs' Association writes today to express our opinion on the use of the Fire Service Mechanics in its present form. The Association has no objection to both mechanics working together, collectively, to ensure the timely and efficient repair of all fire apparatus and equipment.

The Association Executive is available at your convenience to provide additional feedback if required.

**Yours truly,**

**CAPE BRETON REGIONAL FIRE CHIEFS' ASSOCIATION**

### **ORIGINAL SIGNED BY**

Jeff Aucoin  
*Secretary*

*cc: George Muise, Chair Fire Chiefs' Executive*  
*Andrew Petrie, Fire Chiefs' Executive*  
*Lloyd MacIntosh, Fire Chiefs' Executive*

**Cape Breton Regional Fire Chiefs' Association – Report:**

Councillor Coombes requested that the following information compiled by the Cape Breton Regional Chiefs Association on Specialty Services be provided to the Fire and Emergency Services Committee:

- Development of models for specialty services currently being offered with CBRM;
- The list of fire departments that offer the specialty services;
- Service coverage areas;
- Response times;
- Service costs.



Cape Breton Regional Fire Chiefs' Association  
19 Rosewood Avenue  
Glace Bay, Nova Scotia  
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## MEMORANDUM

**To:** CBRM Fire Services Committee  
**From:** George Muise, Cape Breton Regional Fire Chief's Chair  
**Date:** December 12<sup>th</sup>, 2017  
**Subject:** Request for Information from Councillor Coombes, June 19<sup>th</sup>, 2017

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### Introduction

At the Fire and Emergency Services Committee meeting of June 19<sup>th</sup>, 2017 Councillor Coombes requested that information compiled by the CBRM Fire Chiefs Association on Specialty Services be provided to the Fire and Emergency Services Committee. The information was to include the following:

- Development of Models for specialty services currently being offered in CBRM;
- The list of fire departments that offer specialty services;
- Service Coverage Areas;
- Response Times; and
- Service Costs.

### Background

The complete information package that was developed for Specialty Services is no longer in the possession of the CBRM Fire Chiefs Association as it was submitted to Regional Fire Service Management. That being said the process was initially started in 2002. The Regional Fire Service Funding and Area Rate Discussion paper was presented to the Protective Services Committee on January 31<sup>st</sup>, 2002.



## Cape Breton Regional Fire Chiefs' Association

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This discussion paper covered areas such as funding for basic fire service and area rates to generate funds required. This was completed through a process of workshops with the CBRM Fire Chief's Association. It was recognized at the time that Specialty Service fell outside of the definition for basic fire service response and that a separate process was required to collect the data needed for decision making.

In early 2002 several committees of the CBRM Fire Chiefs Association were appointed with a lead to look at the following Specialty Services: Vehicle Extrication (Jaws), High Angle Rescue (Cliff Rescue), and Water and Ice Rescue. These committees developed funding models for the various services based on the basic equipment required to provide the service and the life span expected of the required equipment. This enabled the committees to provide an annual budget figure. The committees also looked at coverage area and response times to identify any gaps in service areas.

The work compiled by the committees was discussed at workshops hosted by CBRM Fire Administration in May 2002 and October 2002. The issue was again discussed in a memo to Protective Services Committee from Director MacKinnon on October 27<sup>th</sup>, 2003. This issue was on the agenda for the CBRM Fire Chiefs Association meeting held April 24<sup>th</sup>, 2005. The issue was again raised at the September 21<sup>st</sup>, 2006 meeting. It was stated at this meeting that workshops regarding specialty service would be held in the fall of 2006.

As there was no resolution to the issue it was brought up again at the September 16<sup>th</sup>, 2009 meeting of the CBRM Fire Chiefs Association. A note in the minutes of that meeting stated that a budget for specialty service was still required and that Regional Fire Services will take on the issue using the ground work done by the CBRM Fire Chiefs Association Committees as a starting point. In a copy of discussion points dated March 19<sup>th</sup>, 2012 prepared by the CBRM Fire Chiefs Executive in preparation for a meeting with Director MacKinnon, the Specialty Services issue was on the top of the agenda.

At the December 3<sup>rd</sup>, 2015 meeting of the CBRM Fire Chiefs Association, Chair Jim Prince spoke on the continued need to work on the issue of Specialty Services. At that meeting it was communicated that the work completed by the early committees of the CBRM Fire Chiefs Association would have to be redone as the cost estimates would no longer be accurate.



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### Department providing Specialty Services

The following chart is a summary of the Departments offering Specialty Services and the services provided. It must be mentioned that the level of services available may vary from area to area.

| Department    | Extrication (Jaws) | High Angle | Water/Ice |
|---------------|--------------------|------------|-----------|
| Albert Bridge |                    |            | X         |
| Big Pond      | X                  |            |           |
| Dominion      |                    |            | X         |
| Glace Bay     | X                  | X          | X         |
| Louisbourg    | X                  |            |           |
| Mira Road     | X                  |            |           |
| New Victoria  | X                  | X          |           |
| New Waterford | X                  |            | X         |
| North Sydney  | X                  |            | X         |
| Reserve Mines | X                  |            |           |
| Sydney        | X                  |            | X         |
| Sydney Mines  | X                  | X          | X         |
| Sydney River  | X                  |            |           |

***Note: There are other departments not included in the list that may have limited resources in the area of Specialty Services.***



## Cape Breton Regional Fire Chiefs' Association

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### Service Costs

The following information was created in 2002 and would require a review to ascertain today's costs. The ice/water rescue was revised in 2016.

| Service             | Total     | Annual     | Notes                                     |
|---------------------|-----------|------------|-------------------------------------------|
| Ice/Water Rescue    |           |            | Option One includes a craft.              |
| Option One          | \$109,454 | \$6,843    |                                           |
| Option Two          | \$17,453  | \$1,720    |                                           |
| Option Three        | \$9,990   | \$756.00   |                                           |
| Vehicle Extrication | \$37,998  | \$4,154.00 | 2002 prices and does not include vehicle. |
| High Angle          |           | \$3000.00  | Estimate only                             |
|                     |           |            |                                           |

### Service Area and Response Times

The departments providing Specialty Services support response in areas other than their own jurisdiction. For example water rescue is provided throughout all areas of CBRM by way of a coordinated response. As well, Vehicle Extrication is provided to neighbouring departments. In 2002 work with the CBRM Planning Department was conducted to determine the service area coverage response by all departments. Areas of gaps were identified using a maximum 30 minute response time. This work at the present time is unavailable and would have to be completed again.



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## Conclusion

While the issue of Specialty Services was identified as early as 2002, there has been no real progress in addressing the issue of funding for these services. It is important to note that response to such incidents are generated by CBRM at the Dispatch point. Many of the departments now offering Specialty Service is a result of being dispatched to an incident requiring special resources and identifying the need for appropriate equipment and training. Suggesting that these department refrain from responding to such incidents without funding is not reality. The reality is that they will get dispatched, they will respond, and they will do whatever they can to assist those at risk. The work of developing a funding model should be high priority. In the interim consideration should be given to establish a specialty services fund where by departments' currently involved can apply for funding for equipment maintenance/replacement and refresher training as required.



## ISSUE PAPER

To: Fire and Emergency Services Committee  
Subject: Volunteer Fire Service Establishment & Qualifications  
Date: December 4, 2017  
Distribution: Marie Walsh, CAO; Deborah Ryan, Clerk

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### Overview

A review of the "*Volunteer Fire Service Establishment & Qualifications*" has been completed by the Chief's Association and regional staff. The original policy was approved by Council February 24, 1998 and amended in July 2005.

While this proposed policy formalizes various training standards, these training standards have been used in whole or in part since the initial policy.

### Changes

The proposed Policy now includes a statement of scope, " This policy identifies the minimum performance and certification requirements necessary to perform the duties of a firefighter, fire officer<sup>1</sup> and chief fire officer."

In the areas of qualifications for membership and Office in the department, the following amendments were made:

#### **New Members**

All new members of a Fire Department shall obtain within 1 year of their acceptance into the Department:

- a. Added Hot Zone qualification; and
- b. Added - an Incident Command System 100 Qualification

#### **Fire Officer Qualifications**

##### **Captain**

- a. Added – Incident Command System 200 within twenty- four months; and
- b. Added – Incident Safety Officer within twenty –four (24) months.

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<sup>1</sup> Fire Officer, covers: Lieutenant, Captain, Safety Officer, Prevention Officer, Training Officer



## ISSUE PAPER

### Lieutenants

- a. Added - Incident Command System 200 within twenty-four months
- b. Added - Incident Safety Officer within twenty-four (24) month.
- c. Removed - Fire Safety Officer

### Fire Prevention Officer

- a. Removed - Fire Prevention Educator;
- b. Added - Fire and Life Safety Educator I within twenty-four (24) months, and
- c. Incident Command System 200 within twenty-four (24) months.

### Training Officer

- a. Added - Incident Command System 200 within twenty-four (24) months.
- b. Added - Incident Safety Officer within twenty-four (24) months.

### Removed the term - Fire Safety Officer

### Added the term Incident Safety Officer

- a. Maintained - Minimum of five (5) years' experience,
- b. Maintained - Level One Firefighter Certification
- c. Removed - Fire Safety Officer
- d. Added - Incident Command System 200 within twenty-four (24) months, and
- e. Added - Incident Safety Officer within twenty-four (24) months.

### Chief Officer Qualifications

- a. Added - Incident Command System 300 within twenty-four (24) months;
- b. Added - Incident Safety Officer within twenty-four (24) months, and
- c. Added - Module one (1) NFPA 1033 Certification - Fire Investigation - Fundamentals; within 36 months



## **ISSUE PAPER**

Hazardous Material (HazMat) response was not part in the original policy. The following amendments provide direction in the development and maintenance of a hazmat team.

### **Hazardous Materials Team Qualifications**

The duties and tasks performed by the Cape Breton Regional Fire and Emergency Services Hazardous Materials team differs from those required by firefighters.

#### **Qualifications of Hazardous Team Members**

All new members of the Cape Breton Regional Fire and Emergency Services Hazardous Materials Team shall obtain:

- a) Hazardous Materials Awareness Level Certification within 12 months;
- b) Incident Command System level 100 within 12 months;
- c) All new members selected for Operational duties will be required to complete Hazmat Operations within 24 months; and
- d) All new members selected to perform technical duties will be certified to the Hazmat Technician level within 48 months.

#### **Qualifications of Lieutenants**

Only those persons having the following qualifications shall be permitted to stand for the election of the office of Lieutenant:

- a) Minimum of three (3) years' experience;
- b) Incident Command System 200; and
- c) Operation Level Certification.

#### **Qualifications of Captain**

Only those persons having the following qualifications shall be permitted to stand for the office of Captain:

- a) A minimum of five (5) years' experience;
- b) Incident Command System 200; and
- c) Technician Level Certification.



## ISSUE PAPER

### Qualifications of Chief Officers

Only those persons having the following qualifications shall be permitted to stand for the election of Chief or Deputy Chief:

- a) A minimum of ten (10) years' experience;
- b) Minimum of two (2) years' experience as a Captain;
- c) Incident Command System 300; and
- d) Technician Level Certification.

### Qualifications of Incident Safety Officers

Incident Safety Officers shall be appointed on scene by the Incident Commander or Officer in Charge of Hazardous Materials Operations. Only those persons meeting the qualifications of Lieutenant or above will be considered.

Note: The Hazardous Materials Awareness, Operations, and Technician Courses will be in accordance with NFPA 1072.

Note: the initial and revised policies are found in attachments A, B and C.

### FINANCIAL

In the CBRM the turnover of volunteers is approximately 8% per annum based on a five-year average. This equates to 62 new volunteers a year. Our average volunteer force has 776 members.

As stated earlier, training has increased over the years, last year's volunteer training budget was \$91,725.00. For fiscal year 2018-2019 the estimated volunteer training budget is \$148,075.00. This provides 62 positions for staff turnover and 62 positions for professional development in existing ranks to meet policy requirements. The financial needs to deliver the requirements outlined in the policy will shift from year to year. As we deal more with the existing compliment the coursing needs will move more towards servicing the turnover of staff.



## ISSUE PAPER

### **RECOGNITION**

A lot of work has been invested in this policy document by the Chiefs Association and staff. While this proposed policy has been influenced by many we would be remiss if we did not mention Chief Bill MacLeod, Coxheath Volunteer Fire Department; Chief John Chant, Glace Bay Volunteer Fire Department; and Chief Travaïs Briand, George's River Volunteer Fire Department, for their leadership in this process.

### **RECOMMENDATION**

That the amended policy, attachment A, be adopted.



## ISSUE PAPER

| VOLUNTEER FORMAL TRAINING PLAN 2018-2019 |                |                   |              |           |              |             |                     |
|------------------------------------------|----------------|-------------------|--------------|-----------|--------------|-------------|---------------------|
|                                          | NUMBER FF      | COURSE COST       | Sub Total    | CERT COST | BOOKS        | Sub Total   | TOTAL COST          |
| FF LEVEL I/HotZone Certification         | 40             | \$ 2,040.00       | \$ 81,600.00 | \$ -      | \$ 96.00     | \$ 3,840.00 | \$ 85,440.00        |
|                                          |                |                   | \$ -         |           |              | \$ -        | \$ -                |
| HAZMAT Awareness/FF1                     | 45             | \$ 203.00         | \$ 9,135.00  | \$ -      | \$ 110.00    | \$ 4,950.00 | \$ 14,085.00        |
|                                          |                |                   | \$ -         |           |              | \$ -        | \$ -                |
| Hazmat Ops/FF1                           | 45             | \$ 380.00         | \$ 17,100.00 | \$ -      | \$ 110.00    | \$ 4,950.00 | \$ 22,050.00        |
|                                          |                |                   |              |           |              |             |                     |
| HazMat Technician                        |                | \$ 1,270.00       | \$ -         |           |              | \$ -        | \$ -                |
|                                          |                |                   |              |           |              |             |                     |
| FF LEVEL II                              | 0              | \$ 1,570.00       | \$ -         | \$ -      | \$ 96.00     | \$ -        | \$ -                |
|                                          |                |                   |              |           |              |             |                     |
| PUMP OPERATORS                           | 0              | \$ 470.00         | \$ -         |           | \$ 66.00     | \$ -        | \$ -                |
|                                          |                |                   |              |           |              |             |                     |
| Safety Officer ISO                       | 20             | \$ 225.00         | \$ 4,500.00  | \$ -      | \$ 86.00     | \$ 1,720.00 | \$ 6,220.00         |
|                                          |                |                   |              |           |              |             |                     |
| Fire and Life Safety Educator I          | 20             | \$ 350.00         | \$ 7,000.00  | \$ -      | \$ 86.00     | \$ 1,720.00 | \$ 8,720.00         |
|                                          |                |                   |              |           |              |             |                     |
| RIT Introduction                         | 0              | \$ 230.00         | \$ -         |           |              | \$ -        | \$ -                |
|                                          |                |                   |              |           |              |             |                     |
| Fire Investigation - Fundamentals        | 34             | \$ 270.00         | \$ 9,180.00  | \$ -      | \$ 70.00     | \$ 2,380.00 | \$ 11,560.00        |
|                                          |                |                   |              |           |              |             |                     |
| Fire Service Instructor                  | 0              | \$ 680.00         | \$ -         |           | \$ 92.00     | \$ -        | \$ -                |
|                                          |                |                   |              |           |              |             |                     |
| Fire Officer Level I                     | 0              | 750               | \$ -         |           | \$ 91.00     | \$ -        | \$ -                |
|                                          |                |                   |              |           |              |             |                     |
| Chief Officer Prof. Dev.                 | 0              | \$ 350.00         | \$ -         | \$ -      | \$ -         | \$ -        | \$ -                |
| FFI Awareness and ops                    | 80             |                   |              |           |              |             |                     |
| <b>VOLUNTEER FORMAL TRAINING PLAN</b>    | <b>204</b>     |                   |              |           | <b>TOTAL</b> |             | <b>\$148,075.00</b> |
| <b>Total Training Positions</b>          | <b>124</b>     |                   |              |           |              |             |                     |
| <b>Positions</b>                         | <b>Numbers</b> | <b>8% 5 yr av</b> |              |           |              |             |                     |
| Chiefs                                   | 34             | 3                 |              |           |              |             |                     |
| Deputy Chiefs                            | 34             | 3                 |              |           |              |             |                     |
| Ass. Deputy Chief                        | 34             | 3                 |              |           |              |             |                     |
| Captain                                  | 102            | 8                 |              |           |              |             |                     |
| Lieutenant                               | 102            | 8                 |              |           |              |             |                     |
| Firefighters                             | 470            | 38                |              |           |              |             |                     |
| <b>Total Membership</b>                  | <b>776</b>     | <b>62</b>         |              |           |              |             |                     |



## Cape Breton Regional Fire and Emergency Services

### Fire Service Policy I

## **VOLUNTEER FIRE SERVICE ESTABLISHMENT & QUALIFICATIONS**

### **1. PREAMBLE**

It is of the utmost importance that the fire and emergency services manage the risk associated with fire and emergency operations. To accomplish this a progressive certification program for identified rank levels is required.

This policy provides for a graduated increase of knowledge, skill, and ability in the areas of Chief Officers, Captains, Lieutenants, Incident Safety Officer, Fire Training Officer, and Fire Prevention Officers.

### **2. SCOPE**

This policy identifies the minimum performance and certification requirements necessary to perform the duties of a firefighter, fire officer<sup>1</sup> and chief fire officer.

### **3. PURPOSE**

This policy provides a method of obtaining the appropriate certification, level of knowledge, skill, and ability to provide a professional and safe fire and emergency service.

### **4. DEFINITIONS**

In this policy:

- a) "Fire Department" means a Volunteer Fire Company approved by council of the Cape Breton Regional Municipality; and
- b) "Training Course" means a course meeting NFPA or other accepted standards provided by or approved by the Chief Director of Fire and Emergency Services.

### **5. ESTABLISHMENT**

No Fire Department or emergency service shall be organized or formed within Cape Breton Regional Municipality unless Council grants approval.

- a) All fire and emergency services must register with the Municipality in accordance with the Cape Breton Regional Fire and Emergency Services Registration Policy; and
- b) All Fire Departments shall appoint a Fire Prevention Officer, Fire Training Officer, and an Incident Safety Officer.

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<sup>1</sup> Fire Officer, covers: Lieutenant, Captain, Safety Officer, Prevention Officer, Training Officer

**6. QUALIFICATIONS OF THE FIREFIGHTERS**

All new members of a Fire Department shall obtain within 1 year of their acceptance into the Department:

- a. a Level 1 Firefighting Certification or Hot Zone qualification; and
- b. an Incident Command System 100 Qualification

**7. QUALIFICATIONS OF LIEUTENANTS**

Only those persons having the following qualifications shall be permitted to stand for the election of the office of Fire Lieutenants:

- a) Minimum of three (3) years' experience;
- b) Level One Firefighter Certification;
- c) Incident Command System 200 within twenty-four (24) months; and
- d) Incident Safety Officer within twenty-four (24) months.

**8. QUALIFICATIONS OF CAPTAINS**

Only those persons having the following qualifications shall be permitted to stand for the election of the office of Fire Captain:

- a) Minimum of five (5) years' experience;
- b) Level One Firefighter Certification;
- c) Incident Command System 200 within twenty-four (24) months; and
- d) Incident Safety Officer within twenty-four (24) months

**9. QUALIFICATIONS OF THE FIRE PREVENTION OFFICER**

Only those persons having the following qualifications may be appointed to the position of Fire Prevention Officer:

- a) Minimum of three (3) years' experience;
- b) Level One Firefighter Certification;
- c) Fire and Life Safety Educator I, twenty-four (24) months, and
- d) Incident Command System 200 within twenty-four (24) months.

**10. QUALIFICATIONS OF THE FIRE TRAINING OFFICER**

Only those persons having the following qualifications may be appointed to the position of Fire Training Officer:

- a) Minimum of five (5) years' experience;
- b) Level One Firefighter Certification;
- c) Incident Command System 200 within twenty-four (24) months.
- d) Incident Safety Officer within twenty-four (24) months.

**11. QUALIFICATIONS OF THE INCIDENT SAFETY OFFICER**

Only those persons having the following qualifications may be appointed to the position of Fire Safety Officer:

- a) Minimum of five (5) years' experience,
- b) Level One Firefighter Certification,
- c) Incident Command System 200 within twenty-four (24) months, and
- d) Incident Safety Officer within twenty-four (24) months.

**12. QUALIFICATIONS OF CHIEF OFFICERS**

Only those persons having the following qualifications shall be permitted to stand for the election of Chief, Deputy Chief, or Assistant Deputy Chief:

- a) Minimum of eight (8) years' experience;
- b) Minimum of two (2) years as an officer;
- c) Level One Firefighter Certification;
- d) Incident Command System 300 within twenty-four (24) months;
- e) Incident Safety Officer within twenty-four (24) months, and
- f) Module one (1) NFPA 1033 Certification - Fire Investigation –Fundamentals; within 36 months

**13. HAZARDOUS MATERIALS TEAM QUALIFICATIONS**

The duties and tasks performed by the Cape Breton Regional Fire and Emergency Services Hazardous Materials team differs from those required by firefighters.

**14. QUALIFICATIONS OF HAZARDOUS TEAM MEMBERS**

All new members of the Cape Breton Regional Fire and Emergency Services Hazardous Materials Team shall obtain:

- a) Hazardous Materials Awareness Level Certification within 12 months;
- b) Incident Command System level I00 within 12 months;
- c) All new members selected for Operational duties will be required to complete Hazmat Operations within 24 months; and
- d) All new members selected to perform technical duties will be certified to the Hazmat Technician level within 48 months.

**15. QUALIFICATIONS OF LIEUTENANTS**

Only those persons having the following qualifications shall be permitted to stand for the election of the office of Lieutenant:

- a) Minimum of three (3) years' experience;
- b) Incident Command System 200; and
- c) Operation Level Certification.

**16. QUALIFICATIONS OF CAPTAIN**

Only those persons having the following qualifications shall be permitted to stand for the office of Captain:

- a) A minimum of five (5) years' experience;
- b) Incident Command System 200; and
- c) Technician Level Certification.

**17. QUALIFICATIONS OF CHIEF OFFICERS**

Only those persons having the following qualifications shall be permitted to stand for the election of Chief or Deputy Chief:

- a) A minimum of ten (10) years' experience;
- b) Minimum of two (2) years' experience as a Captain;
- c) Incident Command System 300; and
- d) Technician Level Certification.

18. **QUALIFICATIONS OF INCIDENT SAFETY OFFICERS**

Incident Safety Officers shall be appointed on scene by the Incident Commander or Officer in Charge of Hazardous Materials Operations. Only those persons meeting the qualifications of Lieutenant or above will be considered.

Note: The Hazardous Materials Awareness, Operations, and Technician Courses will be in accordance with NFPA 1072.

19. **APPOINTMENT TO OFFICE – AVAILABILITY OF TRAINING**

No chief officer or officer will be required to relinquish their appointment to an office if they have not been provided the opportunity to gain the stated requisites within the assigned time frame.

20. **INCUMBENTS**

All incumbent officers of any Fire Department within the Cape Breton Regional Municipality at the time that this policy comes into force will be grandfathered into their present office. Incumbents are strongly encouraged to review the qualification requirements for their office and make a concerted effort to attain same.

21. **REVIEW**

This policy shall be reviewed every five years commencing on the date of Council approval.

This policy shall be considered minimum requirements. Nothing in this policy would prevent any department from setting a policy requiring higher qualifications.

Those incumbent officers leaving their positions after implementation of this policy will be required to fully comply with the terms of this policy for any position they may seek in the future. Grandfathering is non-transferable and the incumbent will lose this status when he/she no longer holds the position.



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***Cape Breton Regional Municipality***  
**Fire Service Policy 1**

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**VOLUNTEER FIRE SERVICE ESTABLISHMENT & QUALIFICATIONS**

**1. PREAMBLE**

It is of the utmost importance that we, as members of fire and emergency services, make substantive efforts to manage the risk associated with fire and emergency ground operations. The lives and safety of our firefighters and those of our intended efforts come first. To this end, it is incumbent that we maintain a progressive program of advancement for all members of the fire and emergency services. This policy provides for a graduated increase of knowledge, skill and ability in the areas of Chief Officers, Captains, Lieutenants, Fire Safety Officer, Fire Training Officer and Fire Prevention Officer.

**2. PURPOSE**

This policy provides a method of obtaining the appropriate level of knowledge, skill and ability to provide a professional, safe fire and emergency service.

**3. DEFINITIONS**

In this policy:

- a) "Fire Department" means a Volunteer Fire Company approved by the Council of the Cape Breton Regional Municipality; and
- b) "Training Course" means a course meeting standards provided or approved by the Director of Fire Services.

**4. ESTABLISHMENT**

No fire department shall be organized or formed within the Cape Breton Regional Municipality unless Council grants approval.

- a. All fire and emergency services must register with the Municipality in accordance with the CBRM Fire and Emergency Services Registration Policy;
- b. Each fire department may determine their own requirement for Captains and Lieutenants in articles of incorporation, but in all cases shall include the office of Fire Chief who shall be the Chief Executive of the Department; and
- c. All fire departments shall appoint a Fire Prevention Officer, Fire Training Officer and a Fire Safety Officer.

*Establishment and Qualifications Policy 1*

5. **QUALIFICATIONS OF THE FIREFIGHTERS**

All new members of a fire department shall obtain a Level One firefighter certification within one year of their acceptance into the department.

6. **QUALIFICATIONS OF LIEUTENANTS**

Only those persons having the following qualifications shall be permitted to stand for the election to the office of Fire Lieutenant:

- a. A minimum of 3 years experience;
- b. Level One Firefighter certification; and
- c. Fire Safety Officer within 24 months.

7. **QUALIFICATIONS OF CAPTAINS**

Only those persons having the following qualifications shall be permitted to stand for the election to the office of Fire Captain:

- a. A minimum of 5 years experience;
- b. Level One Firefighter certification;
- c. Fire Safety Officer within 12 months; and
- d. Incident Command Course within 24 months.

8. **QUALIFICATIONS OF THE FIRE PREVENTION OFFICER**

Only those persons having the following qualifications may be appointed to the position of Fire Prevention Officer:

- a. A minimum of 3 years experience;
- b. Level One Firefighter certification; and
- c. Fire Prevention Educator within 24 months.

9. **QUALIFICATIONS OF THE FIRE TRAINING OFFICER**

Only those persons having the following qualifications may be appointed to the position of Fire Training Officer:

- a. A minimum of 5 years experience;
- b. Level One Firefighter certification;
- c. Incident Command Course; and
- d. Fire Safety Officer.

**10. QUALIFICATIONS OF THE FIRE SAFETY OFFICER**

Only those persons having the following qualifications may be appointed to the position of Fire Safety Officer:

- a. A minimum of 5 years experience;
- b. Level One Firefighter certification; and
- c. Fire Safety Officer.

**11. QUALIFICATIONS OF CHIEF OFFICERS**

Only those persons having the following qualifications shall be permitted to stand for election to the office of Chief, Deputy Chief or Assistant Deputy Chief of a fire service department:

- a. A minimum of 8 years experience;
- b. A minimum of 2 years as an officer;
- c. Level One Firefighter certification;
- d. Incident Command Course within 12 months;
- e. Fire Safety Officer Course within 24 months; and
- f. Fire Investigation basic NFPA 921 within 24 months.

**12. APPOINTMENT TO OFFICE - AVAILABILITY OF TRAINING**

No Chief Officer or Officer will be required to relinquish their appointment to an office if they have not been provided the opportunity to gain the stated requisites within the assigned timeframe.

**13. INCUMBENTS**

All incumbent officers of any fire department within the Municipality of Cape Breton at the time that this policy comes into force will be grandfathered<sup>1</sup> into their present office. Incumbents are strongly encouraged to review the qualification requirements for their office and make a concerted effort to attain same.

**14. REVIEW**

This policy shall be reviewed every five years commencing on the date of Council approval.

This policy shall be considered minimum requirements. Nothing in this policy would prevent any department from setting a policy requiring higher qualifications.

---

<sup>1</sup> Those incumbent officers leaving their position after implementation of this policy will be required to fully comply with the terms of this policy for any position they may seek. Grandfathering is non-transferable and the incumbent will loose this status when he/she no longer holds the position.



**Cape Breton Regional Municipality  
Fire Services**

**Policy: Volunteer Fire Service Establishment & Qualifications**

**Approved by Council: February 24, 1998**

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***Volunteer Fire Services Establishments & Qualifications Policy***

- a) ***Fire Department*** means a Volunteer Fire Company approved by the Council of the Cape Breton Regional Municipality.
- b) ***Training Course*** means a course meeting standards provided or approved by the Director of Fire Services.

2 No fire department shall be organized or formed within the Cape Breton Regional Municipality unless Council grants approval.

3

- a) Once established, all fire departments shall be incorporated under the Societies Act, R.S.N.S. 1989, c. 435.
- b) Officers of the fire department shall be as determined in the incorporation but shall in all cases include the office of the Fire Chief who shall be the Chief Executive of the Department.

- 4 Every fire department established in the Cape Breton Regional Municipality shall appoint a:
- a) Training and Safety Officer to work with the implementation of training and safety requirements; and
  - b) Fire Prevention Officer to work with the implementation of Prevention and Investigation requirements.
  - c) Only those persons having the following qualifications shall be permitted to stand for election to the office of Chief, Deputy Chief or Assistant Deputy Chief of a fire service department:
    - i) those persons having at least thirteen (13) years experience as an active firefighter of which at least five (5) years must be as a department officer, or
    - ii) those persons having at least eight (8) years experience as an active firefighter, of which at least two (2) years must be as a fire department officer, and holds a valid Level I firefighting certificate.
  - d) Only those persons having the following qualifications shall be permitted to stand for the election to the office of the fire officer of a fire department:
    - i) to the office of Captain only those persons having five (5) years experience as a firefighter and holding a valid Level I firefighting certificate

**Policy: Volunteer Fire Service Establishment & Qualifications**

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- ii) to the office of Lieutenant only those persons having three (3) years experience as a firefighter.
- e) All new members of a fire department shall obtain a basic firefighting course within one (1) year of their acceptance into the department.
- f) All incumbent officers of any fire department within the Municipality of Cape Breton at the time that this policy comes into force will be grandfathered into their present office.

Approved by CBRM Council on February 24<sup>th</sup>, 1998



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## **INFORMATION PAPER**

**TO:** Fire and Emergency Services Committee  
**FROM:** John Dilny, Manager of Emergency Management  
**DATE:** December 5, 2017  
**RE:** Committees and Working Group Activities

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This report provides an update to to the Fire and Emergency Services Committee on the activities undertaken by the CBRM Emergency Management Division Committee's working groups and Manager of Emergency Management and the various committees he chairs or serves on.

**1) CBRM EMERGENCY MANAGEMENT ADVISORY COMMITTEE:**

**A. Hurricane Seasonal Briefing – (June 5, 2017)**

Committee members were invited to an audio-visual webex for Hurricane Season Briefing for 2017, conducted by Bob Robichaud, Environment Canada.

Committee members were updated in September.

**2) EASTERN ZONE EMC COMMITTEE: (September 14, 2017)**

Unable to attend.

**3) CBRM Mobile Command Post Working Group:**

A. Committee met to discuss operational procedures and training requirements.

**4) PROVINCIAL EMERGENCY MANAGEMENT COORDINATORS EXECUTIVE COMMITTEE: (December 1, 2017)**

**A. New Executive Director**

Paul Mason was named new Executive Director of EMO NS replacing Andy Latham.

**B. Public Information**

A new Public Information Workshop was developed over the summer. The workshop can be completed in one day. Also, a new public information plan



template has been drafted for municipalities and should be ready in the next couple of months.

**C. Municipal Evaluations**

The committee agreed municipal evaluations should be conducted every four years. The process should be completed one year after council has been elected. This is going before the Deputy Minister to be signed off.

**D. Phone Outage**

On August 04, 2017 two different cuts in two different Provinces (New Brunswick and Quebec) caused service interruptions (phone) that lasted four hours. Bell has added redundancy in their system to help prevent outages like this in the future.

**E. Canso Causeway**

The committee is pushing Transportation Infrastructure and Renewal to install warning lights to warn motorists when the causeway is closed.

**F. Training**

Committee discussed training methods for various course and fees associated with training.

**5) CBRM EMERGENCY FIRST RESPONSE COMMITTEE:**

- A. **ICS-200** – conducted ICS-300 training for internal and external partners.
- B. **TMR Exercise** – a meeting was held with NS Public Safety and Field Communication to conduct an exercise for fire service personnel. Exercise was scheduled for September 18, 2017 but was cancelled due to low preregistration.

**6) Situational Awareness/Activation/Response:**

**Alerting:** Used for incident awareness information only. It is the procedure of making emergency management organization members and municipal officials aware of an emergency or hazard that may require resources.

The following alerts were issued by the Emergency Management Division for:

1. Severe Thunderstorm Watch – July 22, 2017
2. Special Weather Statement – Aug. 18, 2017
3. Tropical Cyclone Information Statement – Aug. 28, 2017



4. Special Weather Statement –Sept. 06, 2017
5. Rainfall Warning –Sept. 28, 2017
6. Strong Wind Event – Oct. 30, 2017
7. Wind and Rain Event – Nov. 22, 2017
8. Wind and Rain Event – Dec. 6, 2017

## **7) Manager of Emergency Management**

- Attended meeting regarding CBRM/Sydney Airport Fire & Emergency Services Agreement
- Participated in an in-person interview on project title Atlantic Coastal Community Climate Change Resilience conducted by the University of Alberta
- Attended a meeting regarding Comfort Centers with some rural councillors
- Meet with local Emergency Social Services coordinator regarding local changes
- Attended a meeting regarding National Disaster Mitigation Program (NDMP)
- Attended a planning meeting for an exercise for the Cove Guest Home
- Met with Chief Glace Bay Volunteer Fire Department regarding their facility being used as an Emergency Shelter/Comfort Center.
- Meet with new CBRM Communication Officer regarding Emergency Management Role
- Attended exercise planning meeting Northside Guest Home
- Instructed on an ICS-300 training course.
- Attended a planning meeting for CBRM New Year's Eve celebrations.
- Toured the Canadian Armed Forces Main Base for Exercise NIHILO SAPPER 17
- Attended a meeting of Fire Advisory Committee
- Attended ICS training for Planning Section Chief

## **ORIGINAL SIGNED BY**

John Dilny,  
Manager of Emergency Management

Gilbert MacIntyre, CFO  
Deputy Chief  
Fire & Emergency Services  
Cape Breton Regional Municipality



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## INFORMATION PAPER

**TO:** FIRE AND EMERGENCY SERVICES COMMITTEE

**FROM:** DEPUTY CHIEF GILBERT MACINTYRE, CFO

**DATE:** DEC. 12, 2017

**RE:** OPERATIONS

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### 1) CRITICAL INCIDENT STRESS TRAINING:

A team representing Critical Incident Stress Management Nova Scotia (CISMNS) will arrive on 13<sup>th</sup> of Jan., 2018 to initiate training for the career fire fighters. They will return on the 10<sup>th</sup> of Feb. to cover the fire fighters not trained in the first session.

The training will explain to fire fighters how the program works and how to access it. CISMNS will also be looking for local support, in the way of peer support personnel, for debriefings in the future.

### 2) COMMAND POST:

Fire fighters are training on driving the Command Post and have identified a number of concerns regarding the deployment of the unit. All items are being addressed by the committee and a response with training protocols is being prepared.

Gilbert MacIntyre, CFO  
Deputy Chief  
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### 3) TRAINING:

Planned courses for delivery over the winter months are:

- a) Thermal Imaging Cameras (TIC)
- b) Managing Company Tactical Operations
- c) Fire Officer I

We are currently in discussions with the Nova Scotia Fire School over the best dates for execution.

Advanced Incident Command System (ICS) has been studied by senior officers in fire operations. Deputy Chiefs, Platoon Chiefs and Deputy Platoon Chiefs have all achieved ICS 400.

Garrett Pollock, from Occupational Health and Safety (OH&S) will be starting phase two of his Fall Arrest Training this month. The fire fighters will use the Mobile Burn Unit in their training, and we thank the volunteers who readied the unit for use after it was prepared for winter storage.

All fire fighters have been trained, by Karen Butterworth, in the danger of fentanyl and in the use of Naloxone in the event of contact with fentanyl. Naloxone Kits have been placed in service, each kit allowing for two dosages of a nasally applied prescribed amount.

### COMMITTEES PARTICIPATED IN:

- a) Cape Breton Regional Fire Chiefs
- b) Fire Advisory Committee
- c) OH&S (Fire)
- d) JOSHC (municipal)
- e) Labour/Management
- f) CBRM Command Post
- g) Incentive & Awards Program Committee
- h) Toured Canadian Armed Forces Base, NIHILO SAPPER 17
- i) Participated in the 100<sup>th</sup> anniversary memorial of the Halifax Explosion



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## CAPE BRETON REGIONAL FIRE & EMERGENCY SERVICE

### FIRE & EMERGENCY SERVICE COMMITTEE

#### VOLUNTEER COORDINATOR/MANAGER FLEET, TRAINING & PREVENTION REPORT

To: Cape Breton Regional Fire & Emergency Service Committee

Date: December 7, 2017

#### Volunteer Coordinator

I attended a Regional Communications management meeting with Comms. Manager Paul Perry and three of four supervisors. We spoke on some important accepted dispatch protocols;

> It was reiterated the importance of consistency from both firefighter users and dispatchers.

> Directed that comms. needs to be dual, VHS & TMR, during initial responses until first unit arrival on scene.

> Directed to assign a working channels @ first acknowledgment of page

> A notification method was discussed to advise responding departments of a dangerous or further information required response. I. E. staging due to, weapons, dangerous goods, drugs, mental health, etc....



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Four Fentanyl training sessions were held, two in East Division, Glace Bay Fire and Reserve Mines Fire, one in North Division, Sydney Mines Fire and one in Central Division, Grand Lake Road Fire. Thank you to the departments & Chiefs, John Chant, Paul McCormack, Adrian Langlois and Jeff Aucoin for hosting the training sessions. We would also like to thank Rob Merchant and Chris MacDonald from EHS for the training, and Rob and EHS for the Naloxone kits.

We had 195 firefighters attend the four training sessions from a force of slightly less than 800 C.B. Regional volunteer firefighters. 195 firefighters represent about **26-27%** of the entire force. **This was an excellent turnout and is muchly appreciated.**

We had 32 of 34 fire departments represented picking up their EHS Naloxone kits. This represents **95%** of our fire departments trained and equipped with the Naloxone kits.

The CB Regional Fire kits are being shipped and will be disbursed to the 32 currently trained volunteer fire departments on their arrival, without any further training requirements. Also the **sharp shuttles** from EHS are being shipped and will be distributed.



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## **Training:**

The TMR Exercise that was scheduled for October this year was cancelled due to lack of confirmation of attendance. Only 2 firefighters had confirmed.

The Nova Scotia Firefighters School has agreed to conduct a **Fire Officer 1** course. The course will be 3 full weekends, Saturday & Sunday each weekend and will cover all the certified requirements for Fire Officer (FO) 1. In order for successful completion of the FO 1 all three weekends have to be attended by anyone enrolled, therefore pre commitment would have to be considered when dates are selected. For anyone taking the course who does not have the certification prerequisites, FF I, FF II & Instructor I, they would receive a **certificate of attendance** from the School until such a time when (if) they completed the prerequisites and then they would be able to apply for the Certification Official Certificate from The Fire Marshall's Office.

As with our other courses, the amount of seats available per department will depend on interest and seats will be distributed in a fair & equitable manner. It will not be first come first serve. We are looking at starting the course on January 3, 2017 and every 2 weeks thereafter for a total of three weekends.

There have been some requests for First Aid CPR, is there interest and requirements.

If there is enough interest, CB Regional Fire Training Division would like to complete a third **"Scene Safety Office Course"** from the NS Firefighters School.

The Cape Breton Regional Fire & Emergency Service Training Division has begun our third **Hybrid Certified Firefighter Level 1**, for winter/spring 2017. We have 28 students enrolled and therefore no students were not permitted into this year's course. Course start was mid-November with a completion date, end of June 2018.



Several Fire Service training props have been purchased and the Training Division is currently purchasing a fire simulator dumpster and automobile burn pan. This pan will be compatible with our current dumpster simulator. We are currently investigating a partnership arrangement with NSCC and their metal fabrication program for a possible fabrication of an automobile trainer. The cost of purchasing one has been priced at \$58,000 American plus an additional \$7500 for shipping from Ontario.

Firefighter insurance VFIS, has been purchased for our volunteer Training & Prevention Divisions.

We are currently waiting on a quote from Halifax based, Survival Training Systems to conduct 3 high angle training sessions, one in North Division, Sydney Mines, One in Central, New Victoria and one in East, Glace Bay.

Ontario based manufacture Prosafe Fire Training Equipment is coming to The CBRM in April to service and recertify the mobile burn simulator (trailer). They will also be conducting a training session to certify operators on the proper procedures and safe operation of the unit.

### **Prevention:**

This year ***Fire Prevention Week*** was October 8-14. On Saturday October 7<sup>th</sup> a full page ad was purchased in The Cape Breton Post with Fire Prevention Week themed messaging and grid maps for children to create their own home escape plans. Fire Prevention Week ads were also in the Coffee News and a Public Service Announcement (PSA) was made on all local radio stations containing Fire Prevention Week theme messaging for 2017.

This year's theme is, "***Every Second Counts, Know Two Ways Out***"

On Saturday, October 7, members from ***The Cape Breton Regional Fire & Emergency Service Fire Prevention Division*** held a Fire Prevention Week display at The Mayflower Mall, Grand Lake Road, Sydney from 1:00 pm until 3:00 pm. Fire Prevention materials were distributed to children and adults alike. The display was a huge success and the participation from the public was visibly increased from the previous year.



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## **Fleet:**

This year's fleet plan is nearing completion, North Sydney's S500 series brush/utility truck is near delivery. This will result in the 3S00 series brush truck being cascaded to Glace Bay Fire from North Sydney Fire will also be completed.

A new 2017 Engine was delivered to Sydney Fire station #1 resulting in a 2016 Engine being cascade to New Waterford Fire. A 2005 Engine was cascaded to Dominion Fire from New Waterford Fire and Dominion Fire's 1992 engine will be used as a central division spare engine.

A used 2000 E-One engine was purchased for Christmas Island and is currently at the mechanics division being prepared for placement in Christmas Island.

A used 2000 E-one was purchased for the George's River Volunteer fire department and will be cleared from use in Florida for shipment to the CBRM @ the end of November.

These used apparatus purchases and apparatus cascades were completed with collaborations, consultations, advisement and agreement from the department Chiefs' affected.

As a result of last year and Christmas Island receiving a purchased used tanker, their old (1988) tanker was placed in use as a spare for Albert Bridge Fire to use to mitigate a possible 20 minute delay, due to the Mira Gut bridge closure, that could result with responding mutual aid partners. This a short term placement until the bridge has been repaired or replaced.

*Also as an FYI the Department of Highway's has also offered to pay all or a portion to have a dry hydrant installed in the Albert Bridge Mira Gut Bridge area to assist because of the bridge closure.*

Chris March  
Deputy Chief  
Fire & Emergency Services  
Cape Breton Regional Municipality



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The last truck, number 11 of our 13 wrote off, light utility administration trucks from the October 2016 flood, is due to be delivered next week. This is mechanic Darren Boudreau's service truck. 11 of 13 wrote off trucks were replaced by insurance as a result of the flood claim. These trucks were less than 25 years old thus replacement. The remaining 2 trucks were older than 20 years and therefore the CBRM was given current market value for these 2 trucks.

**Chris March, BBA**  
**Deputy Fire Chief, C.B.R. Fire & Emergency Service**  
**Volunteer Coordinator/Manager Training & Prevention**

