

Cape Breton Regional Municipality

Fire & Emergency Services Committee

AGENDA

Wednesday, September 2nd, 2015

9:30 a.m.

Note Time Change

Council Chambers

2nd Floor, Civic Centre

320 Esplanade, Sydney, NS

Committee Members:

Deputy Mayor George MacDonald - Chair

Mayor Cecil P. Clarke

Councillor Clarence Prince

Councillor Ivan Doncaster

Councillor Kevin Saccary – Vice Chair

Councillor Lowell Cormier

Cape Breton Regional Municipality

Fire & Emergency Services Committee

Wednesday, September 2nd, 2015

9:30 a.m.

AGENDA

Roll Call

1. **Approval of Minutes:** (Previously Distributed)
 - Fire & Emergency Services Committee – May 26th, 2015
 - Special Fire & Emergency Services Committee meeting – June 29th, 2015

2. **Business Arising:**
 - 2.1 **Fire & Emergency Services Committee – May 26th, 2015:**
 - i. **Sydney Fire Station - Update:** Bernie MacKinnon, Director of Fire Services (See page 3)
 - ii. **Fire Services Review - Update:** Bernie MacKinnon, Director of Fire Services (See page 5)

3. **Reports Career Operations:**
Gilbert MacIntyre, Deputy Chief of Operations (see page 10)

4. **Committees and Working Group Activities:**
John Dilny, Manager of Emergency Management (See page 13)

5. **Report on Volunteer Support:**
Chris March, Deputy Chief Volunteer Support (See page 16)

6. **Additional CBRM Volunteer Fire Department TMR Communication Resources:** Chris March, Deputy Chief Volunteer Support (See page 53)

7. **Provision of additional radios to Volunteers for “Fully Integrated” TMR System:** John MacKinnon, Director of Technology and Information (See page 56)

Adjournment



MEMORANDUM

To: Fire and Emergency Services Committee
Subject: SYDNEY FIRE STATION UPDATE
Date: August 24, 2015
Distribution: CAO, CFO, Dir. Engineering and Public Works

During the May meeting Committee members had the opportunity to discuss the new fire station. We have since initiate the process with the engineering firm, CBCL and a Request for Proposal (RFP) using a design build concept. The design build concept will provide the best environment to attain compliance with the targeted 2.6M budget.

A handwritten signature in black ink, appearing to read "Bernie MacKinnon".

Overview Sydney Fire & Emergency Services Station:

The Director of Fire Services provided background information on this issue. He stated that a new fire station would provide an opportunity to deal with past deficiencies and plan for future needs.

It was noted that CBRM has engaged CBCL for the design and project management of the new fire station.

Chief MacKinnon highlighted some items that will impact the station design, including:

- Consideration of Leadership in Energy Environmental Design (LEED);
- Nova Scotia Occupational Health and Safety requirements including the National Fire Protection Association (NFPA) 1500 Standard on Fire Department Occupational Safety and Health program;
- Fire ground rehabilitation;
- Wellness and fitness;
- Changes in operational readiness equipment and apparatus;
- Gender functionality;
- Staff in-station rehabilitation;
- Station equipment maintenance;
- Decontamination facilities; and
- Storage and inclusion of emergency management functionality.

It was noted the construction of a new fire station is not part of the Fire Service Review.

For Information Only.



To: Fire and Emergency Services Committee
Subject: UPDATE – FIRE SERVICES REVIEW
Date: August 26, 2015
Distribution: CAO, CFO, File

There were four submissions to the Request for Proposal - Fire Service Review. A comprehensive review was completed on all four submissions and while each submission had its' strengths the proposal from Manitou Incorporated provided all the necessary components for our review at a reasonable price. As a result Manitou Incorporated has been awarded the Fire Service's Review contract.

Manitou has worked on a number of long range fire plans since its founding in 1999. They have an in-depth knowledge of the requirements of volunteer, composite and career services. They “*carefully integrate fire/EMS concerns into the broader community context with recommendations that identify local strengths and preferences and balance these to achieve strategies to maintain or improve services*”¹. Manitou Incorporated has, since its inception completed over 38 major municipal studies.

The CBRM contact for this review will be Deputy Chief Gilbert MacIntyre. Gilbert will also head a CBRM interdepartmental team with participation from Police (Dispatch), Planning and Technology. This Team will work with the consultant as they work through the Terms of Reference (TOR), to ensure a timely flow of data/information between the consultant and the CBRM.

Staff will be in contact with Dr. Charles Jennings to attain a timetable of events. These events will include, the kickoff conference call to review the TOR; methods for data acquisition; first site visit; Standards of Coverage (SOC) review; second site visit; possible survey; draft report and final report. In the first phase Dr. Jennings and his team will analyze CBRM data and systems. This will lead to the first site visit which will occur approximately 60 days later. The site visit will be the opportunity for the Committee and the consultant along with other groups to interact.

We will keep the Fire and Emergency Services Committee informed as we move through each phase of the project.

A handwritten signature in black ink, appearing to read 'Bernie MacKinnon', is written over a horizontal line.

¹ Manitou RPF p.10



The Project Team Manager and Team

Project Manager & Team²

Charles Jennings, Ph.D., FIFireE, CFO (Project Manager)

Charles Jennings, Ph.D. is recognized as one of the leading experts on fire service deployment, having organized two international conferences on the subject, and edited a special issue of Fire Technology devoted to the subject. He has conducted deployment analysis studies including forecasts of future demand and facility, apparatus, and staffing needs for many cities as through Manitou and as a subcontractor to another firm. These projects included design of a redeployment plan for Wichita, Kansas, and deployment studies for Colorado Springs, Colorado, Naperville, Illinois, and Broward County, Florida.

Jennings has spent the last twenty-four years as an independent consultant, and founded Manitou, Inc. in 1999 to formalize his research and consulting practice.

*Jennings is on the faculty of John Jay College of Criminal Justice of the City University of New York, teaching in the Fire and Emergency Services program. He also directs the Christian Regenhard Center for Emergency Response Studies, an applied research center devoted to public safety response. He recently co-edited, *Managing Fire and Emergency Services*, published by the International City County Management Association in 2012. This included writing the chapter on community fire risk.*

He actively publishes research articles on topics of community fire risk, and is recognized internationally as one of the experts in this area. Most recently, he was named a Fellow of the Institution of Fire Engineers in recognition of his continued contributions to advancement of fire service knowledge and practice.

Jennings served as Deputy Commissioner of Public Safety for the City of White Plains, NY (pop. 57,866, daytime population over 200,000) and was responsible multiple initiatives including liaison with the developer of a major retail and residential project which included construction of two 35-story residential towers, and later, two 42-story mixed-use towers - the tallest buildings in New York between Manhattan and Albany, NY. This work included planning for fire safety during construction, code compliance, and commissioning of fire and life safety systems. Jennings also directed design, procurement, and installation of a new dispatch system, and increased training within the agency. Jennings also served as Acting Fire Chief during part of this time, managing all aspects of the fire department, including incident response and command.

Jennings has a Masters and PhD in City and Regional Planning from Cornell University. He is also a Chief Fire Officer Designee. He brings over 25 years of service in volunteer, composite, and career departments.

² Extracted from Manitou RFP p.(s) 11-12



Robert McNally (Deputy Manager)

Mr. McNally will be the operational data analyst on the project. He brings 20 years of public safety experience as a firefighter/paramedic, manager, and trainer. He has been awarded twice for his service to the community. He graduated magna cum laude with Bachelor's Degree in Public Administration and has a Master's degree in Urban and Regional Planning from the University of North Carolina at Charlotte. His focus was to apply Geographic Information Science (GIS) technology to public safety and homeland security issues. Robert also worked as a research associate for a homeland security project grant funded by the Defense Intelligence Agency and the Special Warfare branch of the US Navy while attending the University. His thesis on critical infrastructure protection planning was recognized as exemplary research by a statewide geographic association.

Involved in over 150 projects for emergency services of various sizes, Robert has helped communities with a range of projects including master planning, service level evaluation, response time analysis, and analyzing community risks using the Standards of Cover methodology.

McNally also teaches classes in emergency response as well as geographic information sciences. Robert has spoken at several conferences and has been published on the subject of public safety and homeland security. Robert is also supporting faculty at FEMA's National Training Center for both the Emergency Management Institute and the National Fire Academy. Along with using ESRI's GIS platform and several extension software modules, Robert is adept at using GIS for natural disaster damage loss and estimation tools.

McNally has been associated with Manitou, Inc. since 2013 and has worked on a number of projects. Most recently, a Community Risk Assessment for the Fire Department of the City of Bristol, Connecticut in which GIS technology was employed to assess the demographic, social, industrial, hazardous, and building stock risks that its fire department must protect.

Bernie MacKinnon, CD, BPSA, CFO, MIFireE
Chief Director
Fire & Emergency Services
Cape Breton Regional Municipality



320 Esplanade
Sydney, Nova Scotia
B1P7B9
Telephone 902.563.5130
Fax: 902.564.0481

John Cochran, MIFireE

Mr. Cochran has more than twenty-five years of experience in the fire service, with over seven as a Fire Management Specialist with the Federal Emergency Management Agency's U. S. Fire Administration. His major achievements include the development of various fire service planning, administration and planning programs, concepts and methodologies. He led USFA efforts related to community fire defense planning.

Mr. Cochran holds Center for Fire Accreditation International certifications in Self-Assessment Certification and Standards of Cover. He is also expert in Fire Underwriters Survey and assessment.

Mr. Cochran currently serves on various fire service deployment committees and initiatives including NFPA 1201 and NFPA 1250. He was formerly a member of NFPA 1710, Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments. In addition to his fire service experience, Mr. Cochran worked for Raytheon Corporation's Homeland Security Division in development and marketing of products for the public safety sector.

Mr. Cochran is currently Fire Chief of the Russellville, Arkansas Fire Department.

Fire Service Review - Update:

The Director of Fire Services advised that the Request for Proposals (RFP) regarding the Fire Service Review was published in the local paper with a closing date of June 11, 2015.

It was noted there were consultations with the Procurement and Engineering Departments in creating a balanced scoring sheet for the RFP which will contain criteria related to fire services.

It was explained that after the closing date, all proposals will be scored and a recommendation will be brought back to the Committee for review.

For information only.

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



320 Esplanade
Sydney, Nova Scotia
B1P 7B9
Telephone 902.574.3011
Fax: 902.539-8832
JGMacIntyre@cbrm.ns.ca

Fire & Emergency Services Committee Report

To: Cape Breton Regional Fire & Emergency Services Committee

Date: Sept 2nd, 2015

Overview:

Since our Last meeting of May 26th, the career operations have been advancing well. Our move to Townsend Street with our Mechanical Division is all but complete. The mechanics deserve to be praised for making the move while still maintaining the entire Fire Service fleet. We must now clean the former space and make it suitable for storage as well as general use for the staff.

The Career personnel are currently adjusting to the switch over to TMR radios. With any change comes some speed bumps, however staff are committed to making it work.

There has been an increase in the amount of FOIPOP requests coming into the department. With the guidance of Deborah Campbell we have been able to satisfy all requests.

With our current numbers below full complement, we have started the process to hire new fire fighters. The applications have been received and they are currently being evaluated. The process is lengthy, however we hope to have the new hires on by November.

We have had a re-birth of our FireFit Challenge Team. These fire fighters compete in what has been called the toughest two minutes in sports. Any who take up this challenge are to be commended, but I would like to point out that Firefighter Scott Mackenzie has been successful in qualifying for the national competition, being held in Ontario this September.

After a lengthy negotiating period, we are headed to interest arbitration in October.

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



320 Esplanade
Sydney, Nova Scotia
B1P 7B9
Telephone 902.574.3011
Fax: 902.539-8832
JGMacIntyre@cbm.ns.ca

Training:

In an ongoing effort to ensure we have our employees as safe and as skilled as possible we have scheduled training for the coming months.

A Fire Officer I course will train 17 personnel to this level September 21-25.

October 28-29 will see a Thermal Imaging Camera course offered.

Finally November 16-20 we will conduct a Confined Space course.

Public Education:

Fire fighters are preparing for a busy Pub. Ed. Season with students returning to school and Fire Prevention week coming October 4-10. As always materials for school visits and station tours are at the ready.

Respectfully Yours

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

Fire Calls

Department.....Sydney

Assist Citizen.....	5
Assist other Agencies.....	5
Bomb Threat.....	
Fire Alarm.....	151
Chimney Fire.....	2
Electrical Fire.....	10
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	1
Fire Marine.....	
Fire Minor.....	279
Structure Fires.....	46
Vehicle Fires.....	13
Floods/Leaks.....	10
Fuel Spills.....	11
High Angle.....	
HazMat.....	2
Medical First Responder.....	3
Mutual Aid.....	
Motor Vehicle Accident.....	23
Page Test.....	4
Other Rescues.....	2
Suspicious Odors.....	11
Training.....	2
Water Rescue.....	

Total.....580 calls Jan 01- Aug. 25, 2015

John Dilny
Manager of Emergency Management
Fire & Emergency Services
Cape Breton Regional Municipality



850 Grand Lake Road
Sydney, Nova Scotia
B1P 5T9
Telephone 902.563.2352
Fax: 902.563.7978

INFORMATION PAPER

TO: Fire and Emergency Services Committee
FROM: John Dilny,
Manager of Emergency Management
DATE: August 24, 2015
RE: Committees and Working Group Activities

The purpose of this Information paper is to present the EMO Committee's and working groups activities to the Fire and Emergency Services Committee for information.

CBRM EMERGENCY MANAGEMENT ADVISORY COMMITTEE:

- 1) **In-Service** - members of the committee were invited to attend an in-service on Aircraft & Airport Emergency Response by Fire Chief Todd Brophy.
- 2) Members were invited to the 2015 Hurricane Briefing by Environment Canada.

EASTERN ZONE EMC COMMITTEE:

1. **Municipal Evaluation EMO NS** - Due to the revamping of the evaluation process, Municipal Evaluations will not take place until this fall or later. EMO NS is working on providing a plan template for Municipalities to follow. More direction will follow once the process is finalized. Plans are hard to evaluate without an exercise.
2. **Public Alerting System** - Valley Communications has the contract for the Public Alerting System. Details on how to contact them for broadcasting have not yet been defined. Must be a 'Life Threatening Event' to qualify for broadcasting. The system has been tested and is functional province wide.

PROVINCIAL EMC EXECUTIVE COMMITTEE:

1. Training Update

Work on the BEM Online course is continuing with a start date of Sept./Oct. 2015; from that date it will take approximately 6-7 months for completion.



2. ICS Training Update

ICS is currently undertaking a review of their training materials to look in to options and possibilities for ICS position specific training.

3. EMC/DEPO Workshop

The committee, via feedback, has indicated that a further focus on the content for the Workshop needs be local and relevant to the work done within our province.

4. Possible replacement for JEPP

- Public Safety Canada has advised they will not be providing funding for a new program.
- EMO NS is proposing a cost-shared program at the provincial level.

5. Updates for the Municipal Plan Template

No update available

CBRM Mobile Command Post Working Group:

1. Evaluated tender for Mobile Command Post.
2. Awarded tender for Mobile Command Post.
3. Pre-production meeting held with awarded tender.

CBRM EMERGENCY FIRST RESPONSE COMMITTEE:

- 1) **Develop a term of reference** – Mission of the committee is to establish and maintain safe and effective emergency response procedures and to identify required available equipment and share resources for enhanced emergency service delivery.
- 2) **Incident Commander** – Developing an Incident Commander policy.
- 3) **Tabletop Exercise** – Discussion exercise took place regarding the MacAskill Brook Dam failure exercise.
- 4) **Mass Gathering Exercise** – Police, fire, EHS, Hazmat and EMO NS.
- 5) **Ribfest** – Worked with the organizers to develop a site safety plan for responders.
- 6) **Sydney Airport Authority** – Tabletop discussion regarding bomb threats

John Dilny
Manager of Emergency Management
Fire & Emergency Services
Cape Breton Regional Municipality



850 Grand Lake Road
Sydney, Nova Scotia
B1P 5T9
Telephone 902.563.2352
Fax: 902.563.7978

JOINT TRI-PARTY EMO (CBRM, ESKASONI, MEMBERTOU)

1. **Joint Training** – Discuss working on a joint training strategy.
2. **Shelters & Comfort Centers** – Discuss developing guidelines for them.
3. **Mutual Aid Agreement** – The agreement has been signed and circulated to all municipalities from here to Antigonish and the three First Nations communities.
4. **Contact Lists** – To be updated and shared.
5. **Shared Resources** – A meeting to take place about sharing resources with Transportation and Infrastructure Renewal and Public Works Dept. from each community.
6. **Ground Search & Rescue** – Eskasoni would like to enhance search and rescue for their area.

Manager of Emergency Management

Conducted ICS-100 training for Director's plus group.

John Dilny,
Manager of Emergency Management

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



320 Esplanade
Sydney, Nova Scotia
B1P7B9
Telephone 902.574.4130
Fax: 902.564.0481
cdmarch@cbrm.ns.ca

FIRE & EMERGENCY SERVICES COMMITTEE REPORT

To: Cape Breton Regional Fire & Emergency Service Committee

Date: Tuesday, September 2nd, 2015

A handwritten signature in black ink, appearing to be "C. March", located to the right of the date.

General Information:

As can be appreciated, this time of year gives an opportunity for our many volunteers, responders, training and prevention personnel the opportunity to enjoy much deserved vacation time with their loved ones, family and friends. As a result typical training and prevention activities, for CBR volunteer fire departments and our CBR Fire & Emergency Service, Training & Prevention Divisions, are relatively relaxed given volunteer availability during the summer months.

Since the last report on May 26, 2015 the focus for *The Cape Breton Regional Fire & Emergency Service Administration and The Cape Breton Regional Fire Chief's Association* has been delivering and migrating our communications to the new Trunk Mobile Radio/TMR System. The Cape Breton Regional Fire & Emergency Service would like to take the opportunity to thank The Cape Breton Regional Fire Chief's Association for their patience, dedication, hard work, commitment, and of course their devoted cooperation. This process has been very labor intensive, stressful and demanding. Without the positive and professional collaboration from The Cape Breton Regional Fire Chief's Association, the process would have been much more difficult. We would like to thank The Manager of The Cape Breton Regional Communications Center, Mr. Paul Perry and his Dispatchers for their cooperation, support and ongoing efforts as this has been a very challenging process for them as well. The CBR Fire & Emergency Service would like to thank the CBRM Trunk Mobile Radio/TMR Steering Committee, Chief Financial Officer Marie J. Walsh, Police Chief Peter McIsaac, Deputy Police Chief Walter Rutherford, Director of Technology John MacKinnon, and Occupational Health & Safety Manager Karen Butterworth for their cooperation with Cape Breton Regional Fire & Emergency Service. We would also like to thank the external Project Coordinator, Mr. Mike Musial and his group, Kathryn Duffy and retired CBR Deputy Chief, Mr. Brent Denny for their tireless efforts, commitment & passion for our project.

There is still work to be done to bring this project to a close but with the ongoing commitment from all those involved, our final result for the Trunk Mobile Radio/TMR project will be success.

On July 10 – 13, 2016 *The Cape Breton regional Fire Chief's Association* will be hosting the 102nd Annual Maritime Fire Chiefs Association Conference here in The CBRM. There will be 300-350 fire department

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



320 Esplanade
Sydney, Nova Scotia
B1P7B9
Telephone 902.574.4130
Fax: 902.564.0481
cdmarch@cbm.ns.ca

Chief Officer & Chiefs from various fire departments from around the Maritimes attending for educational seminars, and industry displays of the latest equipment and technologies. As past conferences demonstrate, this conference is one where delegates historically are accompanied by their spouses/significant others. This means that we could have in excess of 700 fire industry delegates, spouses and vendors in attendance. The resulting economic spin off will be a benefit to all CBRM citizens and will hopefully result in further vacation visits from delegates and vendors.

We have many activities planned and we hope to showcase some of our many excellent CBRM venues and entertainers. What should be outlined is that the *Executive for The Maritime Fire Chiefs Association* had approached *The Cape Breton Regional Fire Chief's Association* wanting to come to The CBRM as they have had many requests and inquiries as to when Cape Breton would be hosting this event again. Cape Breton last hosted this event in 1996 and, so we have been informed, there have been many requests from the rest of the Maritimes for the Conference to return to The CBRM.

Training:

On March 3rd, 4th, & 5th, training was conducted for the Trunk Mobile Radio/TMR System for all CBR Volunteer Fire Departments. This training was conducted by, **Public Safety, Field Communications, Nova Scotia**. There were training sessions in each of our 3 divisions, Central, East & North. These divisions include all 34 volunteer fire departments and The Hazardous Materials Team. These training sessions were very well attended with 60 - 80 volunteers per night attending. There was also an additional day scheduled on Saturday March 28th. for any CBR Firefighter, Officer or Chief who felt that further training may be necessary. The Saturday March 28th. session was attended by 4 firefighters and 2 Department Chiefs.

Working in conjunction, *The N.S. Fire School & The CBR Fire & Emergency Service, Training Division*, we are conducting a "**Hybrid Level 1 Course**" which has begun. The first practical weekend was January 31st. and the final practical practice weekend was June 12th. & 13th. at **The Open Hearth Park** which was graciously provided to us by Mr. Donnie Burke & **Nova Scotia Lands**. At this point Firefighters are trained to a level where they may be utilized and are able to perform required tasks in "The Hot Zone." There were 34 firefighter students from 13 C.B.R. Fire Departments initially enrolled in the inaugural class. From the 34 initial students we have 26 who are going on to complete their Certified Firefighter Level I. There are 2 students who could not complete this semester due to a pregnancy and an injury, however these 2 students will be continuing with our next class. This gives us a total of 28 of 34 students completing the Level 1 course which is an 80.5% success rate compared to a 20% success rate prior to the Hybrid Level 1 training and previous years. Students have conducted required on line learning during the summer months and will complete a final practical testing weekend in late



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

320 Esplanade
Sydney, Nova Scotia
B1P7B9
Telephone 902.574.4130
Fax: 902.564.0481
cdmatch@cbrm.ns.ca

September, completing their Certified Firefighter Level 1. The cost of this training was completely covered by The C.B. Reg. Fire & Emergency Service, Training Division totaling \$56,100.

The C.B.R. Fire & Emergency Service, Training Division in conjunction with The N.S. Firefighters School will be offering another "**Scene Safety Course**", an "**Advanced Media Course**" a "**Time Management Course**" that was requested by some of our volunteer Chief Officers, and another **Firefighter Hybrid Level 1**, in the months to come, along with the **Drivers & Extrication Courses**. Other courses we hope to provide in the near future are a; **Pump Operators Course, Confined Space**, along with more Leadership orientated courses similar to "Beyond Hoses & Helmets".

The Cape Breton Regional Fire & Emergency Service, Training Division is actively looking at a cost effective method of delivery for a **High Angle Rescue Course**. The CBR Fire, Training Division will offer training and certifications for High Angle Rescue to all certified Training Officers from all Volunteer Fire Departments who wish to participate in High Angle Rescue. These Certified Training Officers may then instruct all members from their departments to a High Angle Rescue Certification Level.

Prevention:

On June 27th. **The C.B.R. Fire & Emergency Service, Prevention Division**, for the first time, in conjunction with **CBRM Recreation Department** conducted a **Grading Day/ Fire Prevention & Multiculturalism Party** from 11 am. until 3pm. at *The Open Hearth Park*. As the CBRM Recreation Department had their Multiculturalism Event planned for the same date & location, we decided to team up so that we were able to make our budget dollars go farther and provide the children with a much more collaborative, informative and of course, fun day. There were 3 bicycle giveaways, a free barbecue and many other activities and prizes with much Fire Prevention material and swag given out. Other C.B.R. Fire Departments and emergency services providers, Police, Emergency Health Services, & The Department of Natural Resources participated as there was a vehicle & equipment display, "*Show & Shine*". There were prizes given for best in show, voted on by the children in attendance. This year's best in show was, *The Scotchtown Volunteer Fire Department, 2nd. was The Sydney Fire Department, and 3rd. The South Bar Volunteer Fire Department.*

We would like to thank the many participants and sponsors, *The CBRM Recreation Department, NS. Lands/Open Hearth Park, the many CBR Vol. Fire Depts. Emergency Health Services/EHS Nova Scotia, The CBRM Police Service, The Department of Natural Resources/DNR, Canadian Tire, Pepsi Cape Breton, Haryl's family Deli, Cape Breton Dairy, Allan Nathanson and The Home Depot, who also participated, conducting a very successful "Kids Workshop."*



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

320 Esplanade
Sydney, Nova Scotia
B1P7B9
Telephone 902.574.4130
Fax: 902.564.0481
cdmarch@cbrm.ns.ca

The Prevention Division had seasonal Public Service Announcements/PSA's throughout the summer months and participated in a sponsorship program with *The Two Rivers Wild Life Park* which also resulted in PSA's all summer.

Fire Prevention Week this year, 2016 is October 4-10, and this year's theme is, "Smoke Detectors in every bedroom and one on each floor in the common areas". Our CBR Fire Prevention Division members along with our CBR VFD's will be sending that message out to all our residents, conducting school visits and assisting in school fire drills. All CBR VFD's and our Prevention Division members will have Prevention Materials and swag to give out to both children & adults. There will be written ads as well as several PSA's on our local radio stations. The Home Depot will be hosting their annual Fire Prevention Day on Saturday, October 3rd and there will be much participation from our CBR Fire & Emergency Service, Prevention Division.

Volunteer Coordination:

As a result of many discussions, meetings, visits, committees and working with The Cape Breton Regional Chiefs Association we are making great strides in developing a cooperative, cohesive, goal orientated group with an emphasis on achieving those goals that will better their association, their members, and thus our *Cape Breton Regional Volunteer Fire Departments*.

Currently The C.B. Regional Fire Chief's Association have formed a committee to initiate and create process for a newly formed O.H. & S. Committee within their association consisting of volunteer members. Although Volunteer firefighters are exempt from The N.S. O.H. & S. Act, it shows great commitment and responsibility from the Regional Chiefs Association that they/we strive towards volunteer safety regardless of legislation.

As mentioned above, The Cape Breton Regional Municipality along with the rest of the Province of Nova Scotia has switched from the VHF (Very High Frequency) radio system to the TMR (Trunk Mobile Radio) system. There remains a concern that currently the CBR Volunteer Fire Departments do not have enough communication resources to safely and effectively migrate to total TMR communications with The Cape Breton Regional Communications Center. I will address this item in a more detailed issue Paper that I have included in this report. In the interim, protocols and procedures have been developed collaboratively with *The Cape Breton Regional Fire & Emergency Service, Administration, The Cape Breton Regional Chief's Association and The Cape Breton Regional Communications Center* to ensure that CBR Volunteer Firefighters can operate safely and effectively using both VHF & TMR communications with dispatch.

Chris March, A/Deputy Fire Chief
Volunteer Coordinator/Manager Training & Prevention

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



320 Esplanade
Sydney, Nova Scotia
B1P7B9
Telephone 902.574.4130
Fax: 902.564.0481
cdmarch@cbrm.ns.ca

Cape Breton Regional Fire & Emergency Service

January 1/2014 – December 31/2014 Volunteer Fire Department call volumes: **Hazmat (est). 12**

Department	Call Volumes
Albert Bridge	103
Boisdale	20
Birch Grove	8
Big Pond	17
Bateston	16
Christmas Island	6
Coxheath	46
Donkin	29
Dominion	51
East Bay	13
Florence	198
Frenchvale	22
Glace Bay	337
Grand Lake Rd	161
Georges River	32
Gabarus	8
Howie Center	40
Louisbourg	116
Marion Bridge	86
Mira Road	73
N'side East Bay	13
North Sydney	257
New Victoria	90
New Waterford	160
Port Morien	32
Reserve Mines	67
South Bar	52
Sydney Mines	270
Sydney River	109
Southside Boularderie	6
Scotchtown	59
Tower road	21
Westmount	69

Fire Calls

Department.....Albert Bridge

Assist Citizen.....	1
Assist other Agencies.....	2
Bomb Threat.....	
Fire Alarm.....	5
Chimney Fire.....	2
Electrical Fire.....	2
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	1
Fire Marine.....	
Fire Minor.....	7
Structure Fires.....	5
Vehicle Fires.....	1
Floods/Leaks.....	
Fuel Spills.....	
High Angle.....	
HazMat.....	
Medical First Responder.....	33
Mutual Aid.....	
Motor Vehicle Accident.....	2
Page Test.....	3
Other Rescues.....	1
Suspicious Odors.....	
Training.....	
Water Rescue.....	2

Total.....67 calls Jan. 01 –Aug. 25, 2015

Fire Calls

Department.....Bateston

Assist Citizen.....	
Assist other Agencies.....	
Bomb Threat.....	
Fire Alarm.....	
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	1
Fire Minor.....	1
Structure Fires.....	2
Vehicle Fires.....	
Floods/Leaks.....	1
Fuel Spills.....	
High Angle.....	
HazMat.....	
Medical First Responder.....	10
Mutual Aid.....	
Motor Vehicle Accident.....	
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	
Training.....	
Water Rescue.....	1

Total.....16 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Big Pond

Assist Citizen.....	
Assist other Agencies.....	1
Bomb Threat.....	
Fire Alarm.....	1
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	1
Structure Fires.....	
Vehicle Fires.....	
Floods/Leaks.....	
Fuel Spills.....	
High Angle.....	
HazMat.....	
Medical First Responder.....	12
Mutual Aid.....	
Motor Vehicle Accident.....	
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	
Training.....	
Water Rescue.....	

Total.....15 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Birch Grove

Assist Citizen.....
Assist other Agencies.....
Bomb Threat.....
Fire Alarm.....2
Chimney Fire.....
Electrical Fire.....
Equipment Machinery Fire.....
Fire Generated.....
Fire Major.....
Fire Marine.....
Fire Minor.....4
Structure Fires.....
Vehicle Fires.....
Floods/Leaks.....
Fuel Spills.....
High Angle.....
HazMat.....
Medical First Responder.....
Mutual Aid.....
Motor Vehicle Accident.....2
Page Test.....
Other Rescues.....
Suspicious Odors.....
Training.....
Water Rescue.....

Total.....8 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Boisdale

Assist Citizen.....
Assist other Agencies.....
Bomb Threat.....
Fire Alarm.....1
Chimney Fire.....1
Electrical Fire.....
Equipment Machinery Fire.....
Fire Generated.....
Fire Major.....
Fire Marine.....
Fire Minor.....
Structure Fires.....
Vehicle Fires.....
Floods/Leaks.....
Fuel Spills.....
High Angle.....
HazMat.....
Medical First Responder.....1
Mutual Aid.....
Motor Vehicle Accident.....
Page Test.....
Other Rescues.....
Suspicious Odors.....
Training.....
Water Rescue.....

Total.....3 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Christmas Island

Assist Citizen.....	
Assist other Agencies.....	1
Bomb Threat.....	
Fire Alarm.....	1
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	3
Structure Fires.....	
Vehicle Fires.....	
Floods/Leaks.....	
Fuel Spills.....	1
High Angle.....	
HazMat.....	
Medical First Responder.....	
Mutual Aid.....	
Motor Vehicle Accident.....	
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	
Training.....	
Water Rescue.....	2
<hr/>	
Total.....	8 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Coxheath

Assist Citizen.....	
Assist other Agencies.....	3
Bomb Threat.....	
Fire Alarm.....	15
Chimney Fire.....	1
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	7
Structure Fires.....	
Vehicle Fires.....	2
Floods/Leaks.....	1
Fuel Spills.....	
High Angle.....	
HazMat.....	
Medical First Responder.....	1
Mutual Aid.....	
Motor Vehicle Accident.....	1
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	3
Training.....	
Water Rescue.....	

Total.....34 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Dominion

Assist Citizen.....	
Assist other Agencies.....	
Bomb Threat.....	
Fire Alarm.....	4
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	56
Structure Fires.....	4
Vehicle Fires.....	2
Floods/Leaks.....	1
Fuel Spills.....	1
High Angle.....	
HazMat.....	
Medical First Responder.....	1
Mutual Aid.....	
Motor Vehicle Accident.....	1
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	
Training.....	
Water Rescue.....	

Total.....70 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Donkin

Assist Citizen.....1
Assist other Agencies.....
Bomb Threat.....
Fire Alarm.....3
Chimney Fire.....
Electrical Fire.....
Equipment Machinery Fire.....
Fire Generated.....
Fire Major.....
Fire Marine.....
Fire Minor.....13
Structure Fires.....
Vehicle Fires.....
Floods/Leaks.....
Fuel Spills.....
High Angle.....
HazMat.....
Medical First Responder.....
Mutual Aid.....
Motor Vehicle Accident.....1
Page Test.....
Other Rescues.....
Suspicious Odors.....
Training.....
Water Rescue.....

Total.....18 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....East Bay

Assist Citizen.....	
Assist other Agencies.....	
Bomb Threat.....	
Fire Alarm.....	
Chimney Fire.....	
Electrical Fire.....	1
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	1
Structure Fires.....	
Vehicle Fires.....	2
Floods/Leaks.....	
Fuel Spills.....	
High Angle.....	
HazMat.....	
Medical First Responder.....	2
Mutual Aid.....	
Motor Vehicle Accident.....	1
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	
Training.....	
Water Rescue.....	2
<hr/>	
Total.....	7 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Florence

Assist Citizen.....	2
Assist other Agencies.....	1
Bomb Threat.....	
Fire Alarm.....	7
Chimney Fire.....	2
Electrical Fire.....	2
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	71
Structure Fires.....	14
Vehicle Fires.....	3
Floods/Leaks.....	
Fuel Spills.....	
High Angle.....	
HazMat.....	
Medical First Responder.....	11
Mutual Aid.....	
Motor Vehicle Accident.....	8
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	1
Training.....	
Water Rescue.....	1

Total.....123 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Gabus

- Assist Citizen.....
- Assist other Agencies.....
- Bomb Threat.....
- Fire Alarm.....
- Chimney Fire.....
- Electrical Fire.....
- Equipment Machinery Fire.....
- Fire Generated.....
- Fire Major.....
- Fire Marine.....
- Fire Minor.....
- Structure Fires.....
- Vehicle Fires.....
- Floods/Leaks.....
- Fuel Spills.....
- High Angle.....
- HazMat.....
- Medical First Responder.....
- Mutual Aid.....
- Motor Vehicle Accident.....
- Page Test.....
- Other Rescues.....
- Suspicious Odors.....
- Training.....
- Water Rescue.....

Total.....0 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Georges River

Assist Citizen.....	
Assist other Agencies.....	
Bomb Threat.....	
Fire Alarm.....	3
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	1
Fire Major.....	
Fire Marine.....	
Fire Minor.....	4
Structure Fires.....	
Vehicle Fires.....	4
Floods/Leaks.....	1
Fuel Spills.....	
High Angle.....	
HazMat.....	
Medical First Responder.....	4
Mutual Aid.....	
Motor Vehicle Accident.....	1
Page Test.....	6
Other Rescues.....	
Suspicious Odors.....	
Training.....	
Water Rescue.....	

Total.....24 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Glace Bay

Assist Citizen.....	1
Assist other Agencies.....	1
Bomb Threat.....	
Fire Alarm.....	69
Chimney Fire.....	2
Electrical Fire.....	5
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	1
Fire Marine.....	
Fire Minor.....	141
Structure Fires.....	23
Vehicle Fires.....	9
Floods/Leaks.....	3
Fuel Spills.....	4
High Angle.....	
HazMat.....	
Medical First Responder.....	1
Mutual Aid.....	
Motor Vehicle Accident.....	10
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	2
Training.....	
Water Rescue.....	3

Total.....275 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Grand Lake Road

Assist Citizen.....	1
Assist other Agencies.....	
Bomb Threat.....	
Fire Alarm.....	39
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	5
Structure Fires.....	4
Vehicle Fires.....	3
Floods/Leaks.....	3
Fuel Spills.....	3
High Angle.....	
HazMat.....	
Medical First Responder.....	1
Mutual Aid.....	
Motor Vehicle Accident.....	12
Page Test.....	17
Other Rescues.....	1
Suspicious Odors.....	1
Training.....	
Water Rescue.....	

Total.....90 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Howie Centre

Assist Citizen.....	1
Assist other Agencies.....	
Bomb Threat.....	
Fire Alarm.....	7
Chimney Fire.....	2
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	12
Structure Fires.....	1
Vehicle Fires.....	
Floods/Leaks.....	
Fuel Spills.....	
High Angle.....	
HazMat.....	
Medical First Responder.....	1
Mutual Aid.....	
Motor Vehicle Accident.....	6
Page Test.....	
Other Rescues.....	1
Suspicious Odors.....	
Training.....	
Water Rescue.....	

Total.....31 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Louisbourg

Assist Citizen.....	
Assist other Agencies.....	
Bomb Threat.....	
Fire Alarm.....	
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	1
Fire Minor.....	4
Structure Fires.....	1
Vehicle Fires.....	
Floods/Leaks.....	
Fuel Spills.....	2
High Angle.....	
HazMat.....	
Medical First Responder.....	40
Mutual Aid.....	
Motor Vehicle Accident.....	
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	
Training.....	
Water Rescue.....	

Total.....48 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Marion Bridge

Assist Citizen.....	
Assist other Agencies.....	
Bomb Threat.....	
Fire Alarm.....	2
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	5
Structure Fires.....	6
Vehicle Fires.....	3
Floods/Leaks.....	
Fuel Spills.....	
High Angle.....	
HazMat.....	
Medical First Responder.....	39
Mutual Aid.....	
Motor Vehicle Accident.....	1
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	
Training.....	
Water Rescue.....	

Total.....56 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Mira Road

Assist Citizen.....	
Assist other Agencies.....	
Bomb Threat.....	
Fire Alarm.....	20
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	6
Structure Fires.....	3
Vehicle Fires.....	5
Floods/Leaks.....	
Fuel Spills.....	3
High Angle.....	
HazMat.....	
Medical First Responder.....	1
Mutual Aid.....	
Motor Vehicle Accident.....	9
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	
Training.....	
Water Rescue.....	

Total.....47 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....New Victoria

Assist Citizen.....	1
Assist other Agencies.....	1
Bomb Threat.....	6
Fire Alarm.....	
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	1
Fire Generated.....	
Fire Major.....	
Fire Marine.....	1
Fire Minor.....	30
Structure Fires.....	3
Vehicle Fires.....	2
Floods/Leaks.....	
Fuel Spills.....	1
High Angle.....	
HazMat.....	
Medical First Responder.....	30
Mutual Aid.....	
Motor Vehicle Accident.....	
Page Test.....	
Other Rescues.....	2
Suspicious Odors.....	
Training.....	1
Water Rescue.....	

Total.....79 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....New Waterford

Assist Citizen.....	2
Assist other Agencies.....	2
Bomb Threat.....	
Fire Alarm.....	29
Chimney Fire.....	4
Electrical Fire.....	3
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	54
Structure Fires.....	15
Vehicle Fires.....	4
Floods/Leaks.....	
Fuel Spills.....	1
High Angle.....	
HazMat.....	
Medical First Responder.....	1
Mutual Aid.....	
Motor Vehicle Accident.....	1
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	2
Training.....	
Water Rescue.....	1

Total.....120 calls Jan.01 – Aug. 25, 2015

Fire Calls

Department.....North Sydney

Assist Citizen.....	1
Assist other Agencies.....	5
Bomb Threat.....	
Fire Alarm.....	27
Chimney Fire.....	1
Electrical Fire.....	2
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	133
Structure Fires.....	16
Vehicle Fires.....	5
Floods/Leaks.....	2
Fuel Spills.....	4
High Angle.....	
HazMat.....	
Medical First Responder.....	16
Mutual Aid.....	
Motor Vehicle Accident.....	18
Page Test.....	
Other Rescues.....	1
Suspicious Odors.....	
Training.....	
Water Rescue.....	2

Total.....233 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Northside East Bay

Assist Citizen.....	1
Assist other Agencies.....	
Bomb Threat.....	
Fire Alarm.....	3
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	
Structure Fires.....	2
Vehicle Fires.....	
Floods/Leaks.....	1
Fuel Spills.....	
High Angle.....	
HazMat.....	
Medical First Responder.....	1
Mutual Aid.....	
Motor Vehicle Accident.....	6
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	
Training.....	
Water Rescue.....	

Total.....14 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Port Morion

Assist Citizen.....	
Assist other Agencies.....	
Bomb Threat.....	
Fire Alarm.....	
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	1
Structure Fires.....	2
Vehicle Fires.....	2
Floods/Leaks.....	
Fuel Spills.....	
High Angle.....	
HazMat.....	
Medical First Responder.....	33
Mutual Aid.....	
Motor Vehicle Accident.....	3
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	
Training.....	
Water Rescue.....	

Total.....41 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Reserve Mines

Assist Citizen.....	1
Assist other Agencies.....	3
Bomb Threat.....	
Fire Alarm.....	4
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	27
Structure Fires.....	2
Vehicle Fires.....	4
Floods/Leaks.....	3
Fuel Spills.....	3
High Angle.....	
HazMat.....	
Medical First Responder.....	3
Mutual Aid.....	
Motor Vehicle Accident.....	8
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	
Training.....	1
Water Rescue.....	

Total.....59 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Scotchtown

Assist Citizen.....	
Assist other Agencies.....	1
Bomb Threat.....	
Fire Alarm.....	5
Chimney Fire.....	1
Electrical Fire.....	1
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	17
Structure Fires.....	3
Vehicle Fires.....	1
Floods/Leaks.....	
Fuel Spills.....	1
High Angle.....	
HazMat.....	
Medical First Responder.....	5
Mutual Aid.....	
Motor Vehicle Accident.....	4
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	1
Training.....	
Water Rescue.....	

Total.....40 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....South Bar

Assist Citizen.....	1
Assist other Agencies.....	
Bomb Threat.....	
Fire Alarm.....	2
Chimney Fire.....	
Electrical Fire.....	
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	13
Structure Fires.....	2
Vehicle Fires.....	2
Floods/Leaks.....	
Fuel Spills.....	
High Angle.....	
HazMat.....	1
Medical First Responder.....	
Mutual Aid.....	
Motor Vehicle Accident.....	5
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	
Training.....	
Water Rescue.....	

Total.....27 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Southside Boularderie

Assist Citizen.....	
Assist other Agencies.....	1
Bomb Threat.....	
Fire Alarm.....	
Chimney Fire.....	
Electrical Fire.....	1
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	2
Structure Fires.....	
Vehicle Fires.....	
Floods/Leaks.....	
Fuel Spills.....	
High Angle.....	
HazMat.....	
Medical First Responder.....	4
Mutual Aid.....	
Motor Vehicle Accident.....	
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	
Training.....	
Water Rescue.....	

Total.....8 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Sydney Mines

Assist Citizen.....4
Assist other Agencies.....2
Bomb Threat.....
Fire Alarm.....37
Chimney Fire.....2
Electrical Fire.....
Equipment Machinery Fire.....
Fire Generated.....
Fire Major.....
Fire Marine.....1
Fire Minor.....137
Structure Fires.....16
Vehicle Fires.....2
Floods/Leaks.....
Fuel Spills.....
High Angle.....
HazMat.....
Medical First Responder.....
Mutual Aid.....
Motor Vehicle Accident.....4
Page Test.....
Other Rescues.....
Suspicious Odors.....
Training.....
Water Rescue.....

Total.....205 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Sydney River

Assist Citizen.....	2
Assist other Agencies.....	1
Bomb Threat.....	
Fire Alarm.....	22
Chimney Fire.....	1
Electrical Fire.....	2
Equipment Machinery Fire.....	
Fire Generated.....	
Fire Major.....	
Fire Marine.....	
Fire Minor.....	4
Structure Fires.....	2
Vehicle Fires.....	2
Floods/Leaks.....	2
Fuel Spills.....	5
High Angle.....	
HazMat.....	
Medical First Responder.....	10
Mutual Aid.....	
Motor Vehicle Accident.....	9
Page Test.....	
Other Rescues.....	
Suspicious Odors.....	2
Training.....	
Water Rescue.....	

Total.....64 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Tower Road

Assist Citizen.....

Assist other Agencies.....

Bomb Threat.....

Fire Alarm.....

Chimney Fire.....

Electrical Fire.....

Equipment Machinery Fire.....

Fire Generated.....

Fire Major.....1

Fire Marine.....

Fire Minor.....17

Structure Fires.....1

Vehicle Fires.....1

Floods/Leaks.....

Fuel Spills.....

High Angle.....

HazMat.....

Medical First Responder.....2

Mutual Aid.....

Motor Vehicle Accident.....

Page Test.....

Other Rescues.....

Suspicious Odors.....

Training.....

Water Rescue.....

Total.....22 calls Jan. 01 – Aug. 25, 2015

Fire Calls

Department.....Weatmount

Assist Citizen.....

Assist other Agencies.....

Bomb Threat.....

Fire Alarm.....16

Chimney Fire.....

Electrical Fire.....

Equipment Machinery Fire.....

Fire Generated.....

Fire Major.....

Fire Marine.....

Fire Minor.....15

Structure Fires.....2

Vehicle Fires.....2

Floods/Leaks.....

Fuel Spills.....

High Angle.....

HazMat.....

Medical First Responder.....

Mutual Aid.....

Motor Vehicle Accident.....1

Page Test.....

Other Rescues.....

Suspicious Odors.....1

Training.....

Water Rescue.....

Total.....37 calls Jan. 01 – Aug. 25, 2015


Chris March, BBA
Deputy Chief, Volunteer Support
Fire & Emergency Services
Cape Breton Regional Municipality



320 Esplanade
Sydney, Nova Scotia
B1P7B9
Telephone 902.563.5140
Fax: 902.564.0481

Issue Paper

To: Fire & Emergency Services Committee
Subject: Additional CBR Volunteer Fire Department TMR communication resources
Date: September 2nd, 2015
Distribution: File, Michael Merritt, CAO; Marie Walsh, CFO, John MacKinnon, Director Tech.



The Cape Breton Regional Municipality along with the rest of the Province of Nova Scotia switched from the VHF (Very High Frequency) radio system to the TMR (Trunk Mobile Radio) system. The coordination of equipment changeover and training for this new TMR system and the required protocols for the CBR Fire Service has been coordinated with; The Cape Breton Regional Fire & Emergency Service Administration, in cooperation with The Cape Breton Regional Fire Chief's Association and The Cape Breton Regional Communications Center and with the assistance of the project coordinator, Mr. Mike Musial.

The training and equipment changeover has presented us with some difficult challenges to say the least. Our volunteer departments, through The Cape Breton Regional Chief's Association, has conveyed that they are very pleased with the new TMR System and the increased quality and coverage in communications. The coverage areas are far greater than the old VHF coverage. Areas where no communication with VHF was available now have complete coverage with the TMR system. There are still isolated areas of no coverage with the TMR system, however they are far less and we have been advised by our service provider that these areas will be identified and problems rectified in the coming months. Also, all users agree that the clarity of digital TMR communications is far superior to VHF.

With that being said, total migration by CBR Fire Service to the TMR System is not complete. There is legitimate concerns from, myself as a Deputy Chief, Volunteer Coordinator and The Cape Breton Regional Fire Chief's Association that The CBR Volunteer Fire Departments do not have enough Trunk Mobile Radios/TMR's for safe, effective and proper communications for complete TMR migration with The CBR Communications Center. The Cape Breton Regional Fire & Emergency Services, 33 volunteer departments currently are provided with 4 portable radios each and mobile radios in their fire apparatus to a maximum of 5 per department. These radios were provided by the Province of Nova Scotia as part of the Provincial TMR seed program.

The Cape Breton Regional Fire & Emergency Service, Administration is currently working with the Director of Technology/Chair of the TMR Steering Committee to come up with a solution to our current state where our CBR Fire Volunteer Fire Departments do not have enough TMR communications to allow for complete migration to TMR when communicating with The Cape Breton Regional Communications Center.

Chris March, BBA
Deputy Chief, Volunteer Support
Fire & Emergency Services
Cape Breton Regional Municipality



320 Esplanade
Sydney, Nova Scotia
B1P7B9
Telephone 902.563.5140
Fax: 902.564.0481

Issue Paper

As a temporary solution our volunteer departments, have the ability and may communicate with dispatch via both VHF and TMR. This protocol has been put in place to allow for safe and effective communications between our CBR Volunteer Fire Departments and The CBR Communication Center. Also to assist the CBR Volunteer Fire Departments, should they require additional radios in the short term, on a per call basis, we have purchased 12 TMR portable radios that we have placed on CBR Fire's, Duty Officer's vehicle. Upon a volunteer department's request, they will be made immediately available. These radios are placed in this vehicle as there is always a Duty Officer working and the Duty Officer has the ability to respond rapidly.

There is no question that our Volunteer Fire Departments require additional communication resources in the form of portables and a TMR base station per department for operational requirements. The challenge becomes by which format do we fund these required additional communication resources so that our volunteer firefighters can do the job they volunteered and continue to volunteer for, safely and effectively while accomplishing the goal for complete migration for CBR Volunteer Fire Departments to TMR's when communicating with Dispatch.

Attached is a matrix of, The Cape Breton Regional Fire & Emergency Service Administration's, recommended additional Trunk Mobile Radios/TMR's for each of our 33 Volunteer Fire Departments and The CBRM Hazardous Materials Response Team. These numbers are based on the operational need for each Department for total TMR migration for communications with The CBR Communications Center.

Chris March, A/Deputy Fire Chief
Volunteer Coordinator/Manager Training & Prevention
Cape Breton Regional Fire & Emergency Service



Issue Paper

Fire Service Tactical TMR Matrix

Department	BASE STATION	Command	Safety	Pumper	Pumper	Tanker	Aerial	Boat Rescue	Light Rescue	Spare	Totals	Minus Provincial Radios	CBRM Total
Albert Bridge	1	2	1	4		2		2			12	4	8
Boisdale	1	2	1	4		2					10	4	6
Birch Grove	1	2	1	4		2					10	4	6
Big Pond	1	2	1	4		2					10	4	6
Bateston	1	2	1	4		2					10	4	6
Christmas Island	1	2	1	4		2					10	4	6
Coxheath	1	2	1	4	4	0					12	4	8
Donkin	1	2	1	4		2					10	4	6
Dominion	1	2	1	4	4	0					12	4	8
East Bay	1	2	1	4		2					10	4	6
Florence	1	2	1	4	4	0					12	4	8
Frenchvale	1	2	1	4		2					10	4	6
Glace Bay	1	2	1	4	4	0	4	2			18	4	14
Grand Lake Rd	1	2	1	4	4	0					12	4	8
Georges River	1	2	1	4		2					10	4	6
Gabarus	1	2	1	4		2					10	4	6
Howie Center	1	2	1	4		2					10	4	6
Louisbourg	1	2	1	4		2					10	4	6
Marion Bridge	1	2	1	4		2					10	4	6
Mira Road	1	2	1	4		2					10	4	6
N'side East Bay	1	2	1	4		2					10	4	6
North Sydney	1	2	1	4	4	0	4				16	4	12
New Victoria	1	2	1	4		2					10	4	6
New Waterford	1	2	1	4	4	0		2			14	4	10
Port Morien	1	2	1	4		2					10	4	6
Reserve Mines	1	2	1	4		2					10	4	6
South Bar	1	2	1	4		2					10	4	6
Sydney Mines	1	2	1	4	4	0		2	4		18	4	14
Sydney River	1	2	1	4	4	0					12	4	8
Southside Boularderie	1	2	1	4		2					10	4	6
Scotchtown	1	2	1	4		2					10	4	6
Tower Road	1	2	1	4		2					10	4	6
Westmount	1	2	1	4	4	0					12	4	8
Hazmat	1	2	1	4	4	0					12	4	8
Spare	0	0	0	0	0	0	0	0	0	12	12		12
Total Volunteer											394		258

ISSUE PAPER

August 27, 2015

To: Fire Services Committee

Provision of additional radios to Volunteers for “Fully Integrated” TMR System

BACKGROUND:

The CBRM embarked on very ambitious project to replace the antiquated VHF radio system for first responders with a new “state of the art” Province of Nova Scotia Trunked Mobile Radio (TMR) system. Council approved the project in the 2014-15 Capital Budget. There were a number of compelling reasons for migrating to TMR and they include:

- The current VHF system was moving to “end of life” and required replacement
- The coverage of the VHF network and signal quality was causing OH&S issues with the Police
- Lack of interoperability with other first responder agencies such as EHS, RCMP, EMO

The Province came out with a program to replace the TMR1 system with TRM2 and agreed to “seed” the Volunteer Fire Departments 4 portable radios each and up to 6 mobiles for their vehicles with no airtime charges. This gave the volunteers the ability to communicate better with other provincial and federal agencies however, in the view of the volunteers, did not give them enough radios to discontinue use of the VHF radios for tactical operations.

ISSUE

Council requested the budgetary implications (both Capital and Operating) in providing sufficient portable and mobile radios to Volunteer Fire Departments. The key issue was determining what number was “sufficient”. It was determined that 246 new radios would

**Issue Paper to CBRM Council
Approval of TMR Support Services and Network Radio Access Agreement
with Bell**

August 12, 2015

provide sufficient resources to allow the volunteers to fully move to TMR and retire the “hybrid” model.

The TMR Steering Committee became aware of the issue surrounding providing additional TMR radios to volunteer fire departments in early July. The original plan for the volunteers was to have them use the Hybrid model where they would communicate on the ground via VHF and TMR to dispatch and in emergencies contact dispatch through VHF. A meeting was held at the earliest possible time to discuss with Jim Prince, Chair of the Cape Breton Regional Volunteer Chiefs Association, and his executive. They made a compelling case for additional radios and discussion around providing 4 additional radios per department was a good start. Subsequently, additional meetings took place and call volumes for each department were extracted as well as tactical and operational assets were collated. The CBRM Fire Administration took this information and developed a strategy for how many radios would be required to move from the hybrid model to the “fully integrated” model. A summary of each department along with the radio required can be found in **Appendix A**. It was determined that a total of 246 new radios would provide the volunteers with the necessary radios for “full TMR integration”. This would include a Base Station for each department.

Rationale for determining new Radio Numbers

The rationale used in determining radios is tied to tactical requirements. Command, two radios one for monitoring the emergency and the second to for interagency communication. One radio for the incident safety officer, four radios for a pumper crew, two radios for a tanker crew (one to be shared with rehab-water supply officer), two radios for a boat crew, and four for a light rescue unit. These estimates may vary as we continue to monitor and evaluate requirements; however they are a good representation of what is required to deal with identified tactical needs.

Appendix A – Summary of Volunteer Radios

Appendix B - Details of Individual Department and Radio Count

**Budgetary Implications of Providing Sufficient Portable Mobile Radios to all
Volunteer Fire Departments**

**Issue Paper to CBRM Council
Approval of TMR Support Services and Network Radio Access Agreement
with Bell**

August 12, 2015

The capital cost for the 246 radios would be approximately \$470,000 and the operating costs would be \$29,520/year @ \$10/device/month. The vendor has been receptive to the discussion of purchasing the radios now but not having to make the first payment until next fiscal year and carrying the payments out over 3 fiscal years to reduce the one time hit to the capital budget.

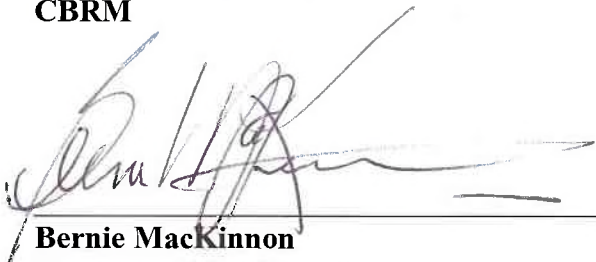
RECOMMENDATION:

It is recommended that the CBRM provide the necessary radios to the Volunteer Fire Departments to move to 100% TMR. This would necessitate the purchase of approximately 246 additional radios for the volunteers.

We request Council approve a capital expenditure of \$160,000 over the next 3 years starting in 2016-17 budget for a total of \$480,000.



**John MacKinnon, P.Eng.
Director of Technology
CBRM**



**Bernie MacKinnon
Director of Fire Services**

Appendix A - Required Volunteer TMR Radios

Department	Call Volumes	Current Radios	Additional Core Radios	Additional Tactical Radios	Totals	Additional CBRM
Albert Bridge	103	4	5	3	12	8
Boisdale	20	4	5	1	10	6
Birch Grove	8	4	5	1	10	6
Big Pond	17	4	5	1	10	6
Bateston	16	4	5	1	10	6
Christmas Island	6	4	5	1	10	6
Coxheath	46	4	5	3	12	8
Donkin	29	4	5	1	10	6
Dominion		4	5	3	12	8
East Bay	13	4	5	1	10	6
Florence	198	4	5	3	12	8
Frenchvale	22	4	5	1	10	6
Glace Bay	337	4	5	9	18	14
Grand Lake Rd	161	4	5	3	12	8
Georges River	32	4	5	1	10	6
Gabarus	8	4	5	1	10	6
Howie Center	40	4	5	1	10	6
Louisbourg	116	4	5	1	10	6
Marion Bridge	86	4	5	1	10	6
Mira Road	73	4	5	1	10	6
N'side East Bay	13	4	5	1	10	6
North Sydney	257	4	5	7	16	12
New Victoria	90	4	5	1	10	6
New Waterford	160	4	5	5	14	10
Port Morien	32	4	5	1	10	6
Reserve Mines	67	4	5	1	10	6
South Bar	52	4	5	1	10	6
Sydney Mines	270	4	5	9	18	14
Sydney River	109	4	5	3	12	8
Southside Boularderie	6	4	5	1	10	6
Scotchtown	59	4	5	1	10	6

Appendix B - Details of Individual Department and Rational for Required Radio Count

Department	BASE STATION	Command	Safety	Pumper	Pumper	Tanker	Aerial	Boat Rescue	Light Rescue	Spare	Totals	Minus Provincial Radios	CBRM Total	
Albert Bridge	1	2	1	4		2		2			12	4	8	
Boisdale	1	2	1	4		2					10	4	6	
Birch Grove	1	2	1	4		2					10	4	6	
Big Pond	1	2	1	4		2					10	4	6	
Bateston	1	2	1	4		2					10	4	6	
Christmas Island	1	2	1	4		2					10	4	6	
Coxheath	1	2	1	4	4	0					12	4	8	
Donkin	1	2	1	4		2					10	4	6	
Dominion	1	2	1	4	4	0					12	4	8	
East Bay	1	2	1	4		2					10	4	6	
Florence	1	2	1	4	4	0					12	4	8	
Frenchvale	1	2	1	4		2					10	4	6	
Glace Bay	1	2	1	4	4	0	4	2			18	4	14	
Grand Lake Rd	1	2	1	4	4	0					12	4	8	
Georges River	1	2	1	4		2					10	4	6	
Gabarus	1	2	1	4		2					10	4	6	
Howie Center	1	2	1	4		2					10	4	6	
Louisbourg	1	2	1	4		2					10	4	6	
Marion Bridge	1	2	1	4		2					10	4	6	
Mira Road	1	2	1	4		2					10	4	6	
N'side East Bay	1	2	1	4		2					10	4	6	
North Sydney	1	2	1	4	4	0	4				16	4	12	
New Victoria	1	2	1	4		2					10	4	6	
New Waterford	1	2	1	4	4	0		2			14	4	10	
Port Morien	1	2	1	4		2					10	4	6	
Reserve Mines	1	2	1	4		2					10	4	6	
South Bar	1	2	1	4		2					10	4	6	
Sydney Mines	1	2	1	4	4	0		2	4		18	4	14	
Sydney River	1	2	1	4	4	0					12	4	8	
Southside Boularderie	1	2	1	4		2					10	4	6	
Scotchtown	1	2	1	4		2					10	4	6	
Tower Road	1	2	1	4		2					10	4	6	
Westmount	1	2	1	4	4	0					12	4	8	
Hazmat	1	2	1	4	4	0					12	4	8	
Spare	0	0	0	0	0	0	0	0	0	12	12		12	
Total Volunteer										Totals	394		258	
													Less 12 Spare we already purchased	246

