

## **Fire Hall Analysis**

The need for updated fire buildings to serve the Township of Muskoka Lakes is most acutely felt in the two largest urban centres.

### **Windermere**

While it is the newest Fire Hall in service, this location has a number of operational and health and safety deficiencies that can be corrected with an expansion. Washrooms do not now include shower facilities. SCBA bottles are now filled and stored in the vehicle bay, which is unsafe. A small storage and work area can be added to the back of the Hall to provide these safe and workable areas.

An upgraded Windermere station will become the prototype for other stations built in the future.

### **Bala**

With the programmed replacement of vehicles and the repositioning of equipment to reach desired service levels for insurance purposes the Bala Fire Hall would require a third bay. The present building in Bala is off the main roads and is of an historic nature that makes an expansion on the current building undesirable.

A new site in Bala on Hwy. 169 is the most desired location. A site on municipal water on the edge of the community toward Glen Orchard is the preferred set of criteria. Land acquisition is planned for 2006.

The new prototype design could be constructed on a new location and make Bala fully functional for the long-term future.

### **Port Carling**

A new Port Carling Station will act as the Main Fire Hall for the entire Department. As such it will be a larger than prototype hall to house offices for the Deputy Fire Chief, training rooms and storage for emergency management equipment and supplies. It will be the command centre for day-to-day operations well into the future.

The station may include other District Services such as Land Ambulance and may also include the Community Policing office to assure high visibility and adequate facilities for all these services.

Both the siting and the design of this station need to be carefully considered. A study of these elements is funded in the 2006 Capital Investment Program. Land acquisition is planned for 2006 once a site study is completed.

### **Glen Orchard**

The present fire service is located in part of the Public Works compound. It is not a stand-alone hall and has no meeting space or facilities. Once the Bala prototype station is constructed and the Port Carling Main Station in place the Glen Orchard facility will not be required. The Glen Orchard area will be fully serviced to the higher standard from Bala, Foot's Bay and Port Carling.

This change will not occur for at least two years. The Fire Chief will carry out a consultation process with area residents to fully inform them of the fact that they will continue to receive superior Fire response services even after the Glen Orchard Hall is closed.

### **Minett**

The replacement of the existing Minett Fire Hall is directly tied to the demands created by the Red Leaves development. Once a prototype design is in place it could be engineered for a site supplied by the developer and constructed on short notice. Having the prototype design means we can act quickly outside the normal budget cycle.

### **Walker's Point**

The current facility on Walker's Point is totally unacceptable. Water is poor, no showers are available, equipment storage is cramped and in poor condition. The current building and land will be disposed of as soon as a replacement is in place.

It is proposed to build a two bay addition to the Walker's Point Community hall and have a small meeting room and washroom facilities including showers. The full prototype station is not necessary in this location as it works in tandem with the Torrance Fire Hall that has all the necessary services.

### **Other Halls**

Torrance, Foot's Bay, Raymond and Milford Bay are all serviceable Fire Halls as they are now. The 2006 operating and capital budgets make provisions for maintenance that will correct any deficiencies for these sites for the foreseeable future. If and when these other halls are to be replaced the prototype design would be used. Replacement for these halls is not scheduled in the Capital Investment Program Projections for the next 5 years.

## **Fire Vehicles Analysis**

The two factors of most importance when considering fire response for insurance purposes are:

- 1. The Initial Response must be able to deliver 1,500 gallons to a structural fire.**
- 2. Water flow rates must be sustainable at 200 gallons per minute for a period of two hours.**

Presently this can only be done in the urban centres of Bala and Port Carling as they are on municipal water. These two communities receive a better fire insurance rating and therefore residents pay lower insurance premiums than all other residents of the Township.

Following the established pattern of buying one fire truck per year the Township Fire Department would take at least 6 to 10 years to reach a point where this level of service could be offered the remainder of the Township. (Superior tanker shuttle certification.)

The Capital Investment Program calls for the rapid acceleration of the buying program for fire vehicles as outlined on the attached spreadsheet. By purchasing 5 vehicles this budget year and a further 5 in year 6 of the plan the remainder of the Township can reach the desired standard by the end of calendar 2007. This would give all residents the same insurance rating as is now available only to residents of Bala and Port Carling.

Flow rates and distribution of vehicles will be targeted to assure the greatest benefit is reached in 2007. It should be noted that the vehicles proposed for 2006 would take at least until October of 2006 to be received. We will give the option to the supplier of staggering deliveries for up to one year to reduce our acquisition cost.

To be certified for new insurance standards would require training on the new equipment and on-site testing by inspectors. We anticipate being up to the new standards by the summer of 2007.

Many residents should see significant reductions in their insurance rates and the same rates will be available to all Township residents much sooner than would have been the case following the traditional acquisition plan.

## Township of Muskoka Lakes

### Vehicle Replacement Program

<b>Planned Replacements For 2006</b>					
<b>Current Vehicle Designation</b>	<b>Plate #</b>	<b>Year</b>	<b>Tank size - Pump Capacity</b>	<b>New Vehicle-Designation</b>	<b>Tank size - Pump Capacity</b>
Bala - Tanker	JS9 349	1983	1200 gals - 625 gals/min	Pumper/Tanker - Bala	1500 gals - 1050 gals/min
Windermere - Pumper/Tanker	NH3 647	1987	1000 gals - 840 gals/min	Pumper/Tanker - Windermere	1500 gals - 1050 gals/min
Port Carling - Pumper/Tanker	RM8 784	1989	1000 gals - 625 gals/min	Pumper/Tanker - Port Carling	1500 gals - 1050 gals/min
Minett - Pumper	RE6 195	1988	800 gals - 625 gals/min	Midi Pumper - Minett	300 gals - 840 gals/min
Bala - Rescue	MM9 825	1986	N/A	Midi Pumper - Windermere	300 gals - 840 gals/min
<b>TOTALS</b>			<b>4000 gals - 2715 gals/min</b>		<b>5100 gals - 4830 gals/min</b>
<b>Planned Replacements For 2011</b>					
<b>Current Vehicle Designation</b>	<b>Plate #</b>	<b>Year</b>	<b>Tank size - Pump Capacity</b>	<b>New Vehicle-Designation</b>	<b>Tank-Pump Capacity</b>
Milford Bay - Tanker	TW2 009	1990	1200 gals - 420 gals/min	Pumper/Tanker - Milford Bay	1500 gals - 1050 gals/min
Torrance - Pumper/Tanker	VX2 232	1991	1200 gals - 625 gals/min	Pumper/Tanker - Torrance	1500 gals - 1050 gals/min
Windermere - Pumper	334 8AD	1995	500 gals - 625 gals/min	Pumper/Rescue - Windermere	800 gals - 1050 gals/min
Bala - Pumper	HB2 651	1995	500 gals - 625 gals/min	Pumper/Rescue - Bala	800 gals - 1050 gals/min
Port Carling - Pumper	416 7DB	1995	1000 gals - 840 gals/min	Pumper/Rescue - Port Carling	800 gals - 1050 gals/min
<b>TOTALS</b>			<b>4400 gals - 3135 gals/min</b>		<b>6200 gals - 6300 gals/min</b>
<b>Planned Replacements For 2016</b>					
<b>Current Vehicle Designation</b>	<b>Plate #</b>	<b>Year</b>	<b>Tank size - Pump Capacity</b>	<b>New Vehicle-Designation</b>	<b>Tank-Pump Capacity</b>
Windermere - Tanker	HB2 646	1997	1000 gals - 420 gals/min	Pumper/Tanker - Windermere	1500 gals - 1050 gals/min
Windermere - Pumper/Tanker	HB2 642	1997	1000 gals - 1050 gals/min	Aerial Apparatus - Port Carling	800 gals - 1050 gals/min
Torrance - Pumper/Tanker	572 0BB	1998	1000 gals - 1050 gals/min	Pumper/Tanker - Torrance	1500 gals - 1050 gals/min
Torrance - Midi Pumper	RM8 137	1999	300 gals - 840 gals/min	Midi Pumper - Torrance	300 gals - 840 gals/min
Milford Bay - Pumper	HB2 652	2020	500 gals - 1050 gals/min	Midi Pumper - Milford Bay	300 gals - 840 gals/min
<b>TOTALS</b>			<b>3800 gals - 4410 gals/min</b>		<b>4400 gals - 4830 gals/min</b>

NOTES:

1. Bala, Windermere and Torrance to retain a small pick-up truck for use as a utility vehicle.
2. Milford Bay Rescue to be retired and not replaced when Midi Pumper is acquired.