

Fire Department Fleet Standardization Update

December 13, 2004
Don McClean, Fire Chief



Council Resolution

November, 2001

- ☐ That Markham Fire and Emergency Services be authorized to proceed with the standardization of the fire apparatus fleet;
- ☐ Negotiate purchase of Aerial and Pumpers with Safetek Emergency Vehicles;
- ☐ Successfully purchased 2 Aerials and 4 Pumpers, all in service by 2003.



Fleet December 2004

Front Run Apparatus

- ❑ 916 – Aerial 2002 Smeal
- ❑ 911 – Pumper 2003 Smeal
- ❑ 921 – Pumper 1996 Dependable
- ❑ 941 – Pumper 1996 Dependable
- ❑ 951 – Pumper 2003 Smeal



Fleet December 2004

Front Run Apparatus

- ❑ 956 – Aerial 2002 Smeal
- ❑ 961 – Pumper 2003 Smeal
- ❑ 971 – Pumper 2003 Smeal
- ❑ 954 – Tanker 1991 Dependable



Fleet December 2004

Spares

- ❑ 9806 – Pumper 1988 Thibault
- ❑ 9853 – Telesquirt 1990 Lance
- ❑ 9871 – Pumper/Tanker 1998 International
- ❑ Average age of Apparatus not yet replaced 10.8 years



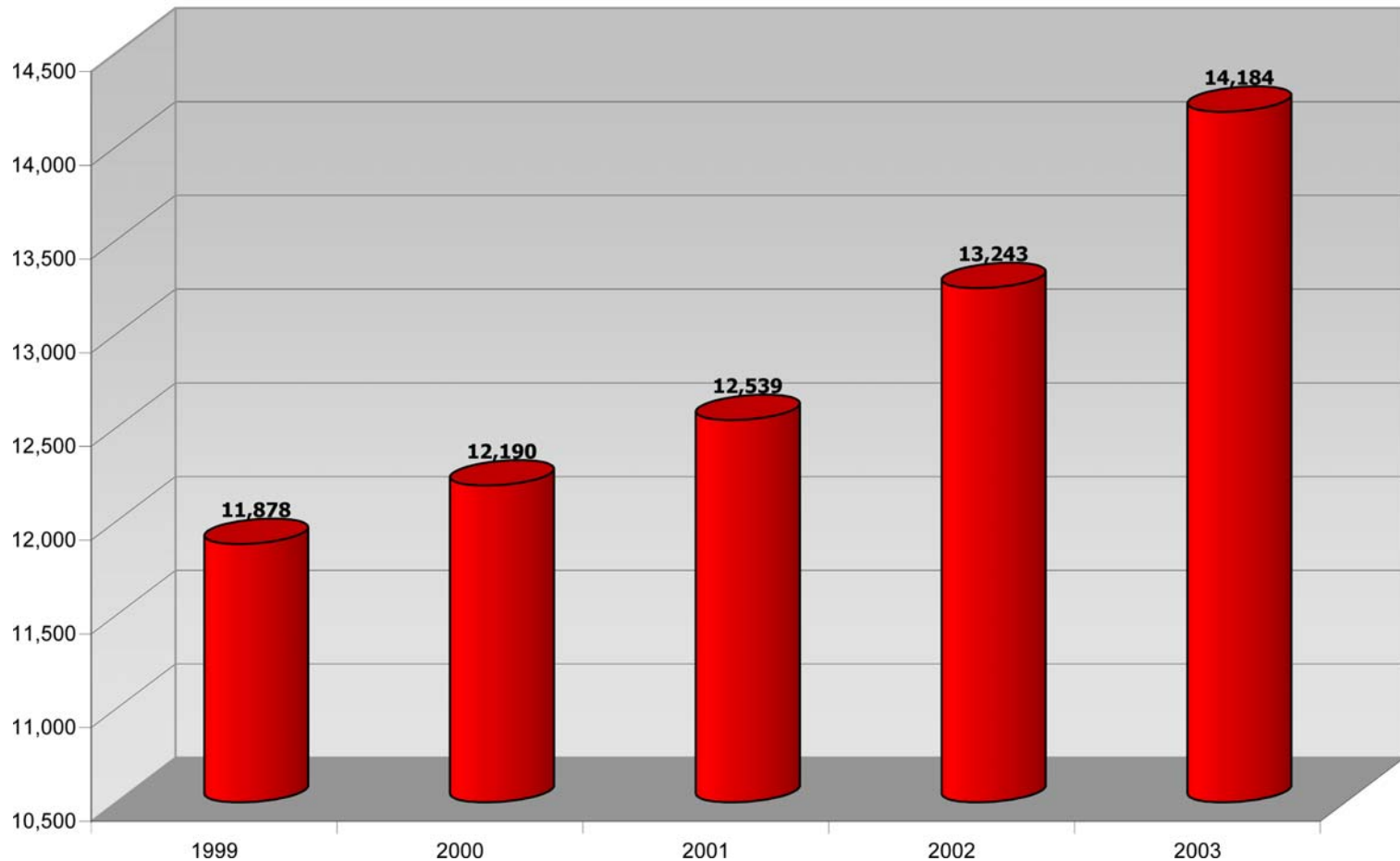
Reasons to Replace Apparatus

- ☐ Legislation/Standards N.F.P.A. 1901, U.L.C., Department of Transport, C.S.A.
- ☐ Useful Life, number of hours vs. age
- ☐ Apparatus now average 1000 hrs./year
- ☐ Manufacturer recommends overhaul of vehicle at 8,000 to 10,000 hrs.
- ☐ Cost of Upkeep
- ☐ Downtime
- ☐ Improved Customer Service

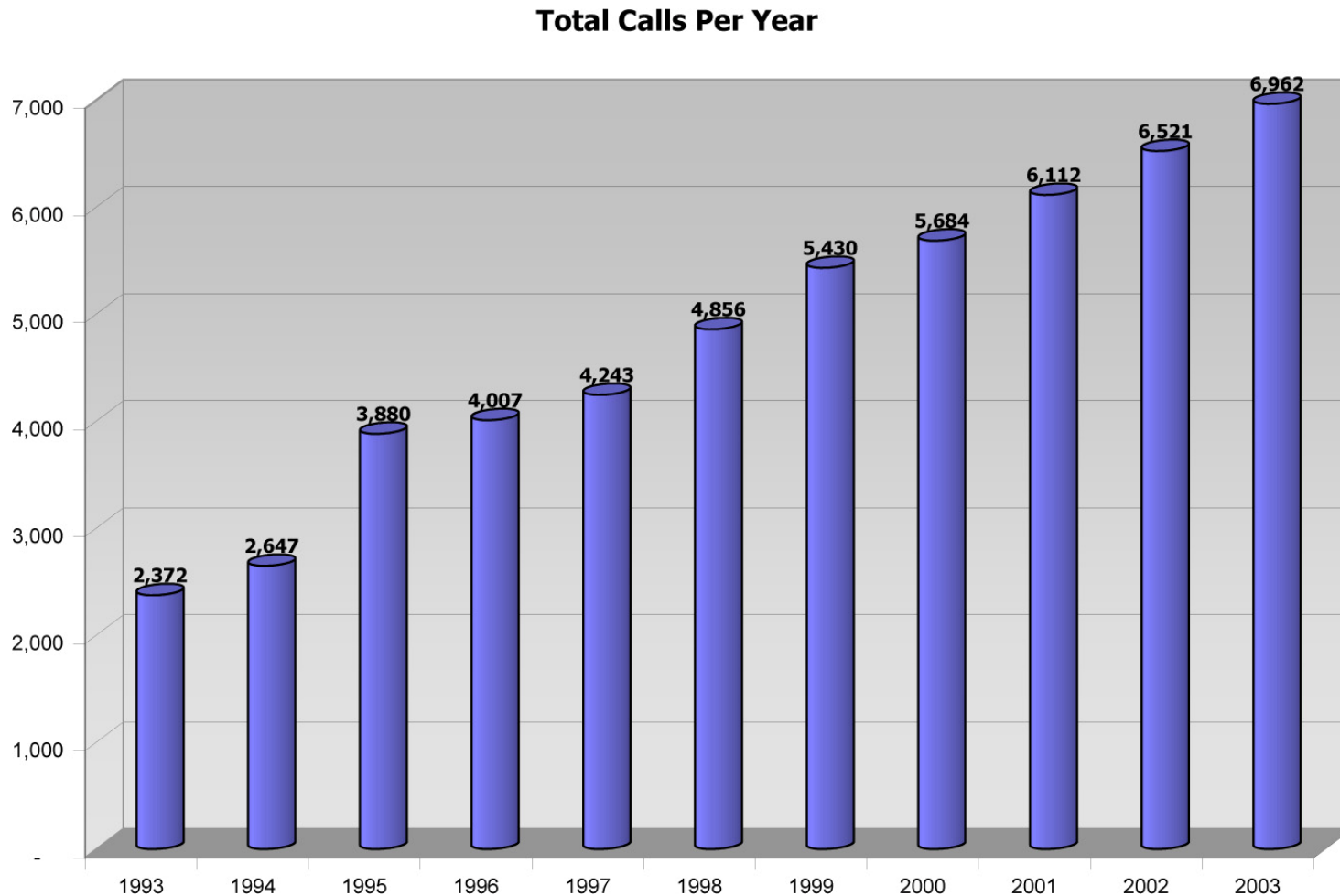


Vehicle Activity

Total Vehicle Activity



Emergency Calls per Year



Comparison of OLD vs. NEW

OLD

Environmental Impact

Portable Generators, Lighting
& Cords

Poor or no Ground Lighting

Maximum 5000L/min. Pump Capacity

Hose Loads-Ergonomically Incorrect

No Shore Power

NEW

Latest Environmental
Standards

Hydraulic Generators, Cord
Reels and Knight Scan Light
Towers

Latest in Lighting (Safer)

Maximum 8000L/min. Pump Capacity

Ergonomic Hose Loads/Loaders

On-Board Air Compressor's and
Charging Systems

Ergonomic Hose Loader



Knight Light Scan



Next Steps, 2005 and Beyond

- ❑ 2005 – Pre-Approval requested to Purchase Pumper (Q1) - Tax Based
- ❑ 2006 – Purchase Pumper to replace 941 – Tax Based – Reserve Study
- ❑ 2007 – Purchase Tax Based and DCA Apparatus



