



Report to: General Committee

Date Report Authored: September 10, 2009

SUBJECT: Extension of Contract for the Supply and Delivery of Fire Bunker Gear
PREPARED BY: Phil Alexander, Deputy Fire Chief, ext. 5960
Rosemarie Patano, Senior Buyer, ext. 2990

RECOMMENDATION:

- 1) THAT the report entitled "Extension of Contract for the Supply and Delivery of Fire Bunker Gear" be received;
- 2) AND THAT Council authorize the Contract Extension 017-R-05 to SafeDesign Apparel Ltd. for the supply and delivery of Bunker Suits for the 2 years;
- 3) AND THAT the purchase of 18 bunker gears for replacement of current vacancies be funded from accounts 067-6150-9106-005 Firefighter Tools and Equipment in the amount of \$30,880.44;
- 4) AND THAT the purchase of 68 bunker gears or 144 jacket and pants thermal liners for replacement based on legislated equipment testing be funded from the 2010 capital budget project 10122 Bunker Gear in the amount of \$117,728.64, subject to Council approval of the 2010 Capital Budget;
- 5) AND THAT the purchase of 20 bunker gears for new recruits at Cathedral Fire Station be funded from accounts 067-5350-9529-005 Cathedral Fire Station – FF&E, in the amount of \$34,311.60;
- 6) AND THAT the purchase of 20 bunker gears for new recruits at Cornell Fire Station be funded from the 2010 capital budget project 10124 Cornell Fire Station – FF&E in the amount of \$34,311.60, subject to Council approval of the 2010 Capital Budget;
- 7) AND THAT Staff be authorized and directed to do all things necessary to give effect to this resolution.

PURPOSE:

To obtain approval to extend the contract and purchase 126 sets of Bunker Gear;

- 18 for current vacancies (2009)
- 68 sets of bunker gear or 144 jacket and pants thermal liners replacement (2010)
- 20 for new recruits at Cathedral FS (2010)
- 20 for new recruits at Cornell FS (2010, will only be ordered at time of recruitment)

BACKGROUND:

In January 2006, Council approved (Attachment A) the Award of Contract 017-R-05 for the supply and delivery of firefighters' bunker suits to Safe Design (Highest ranked / 2nd lowest priced Supplier) for a period of three (3) years with an option to renew for two (2) additional years at a prices mutually agreed upon.

Bunker gear suits are designed for firefighters with materials to afford protection to the upper and lower body, excluding head, hands, and feet, against adverse environmental effects during structural fire fighting. It is mandatory that all materials and construction

must meet or exceed NFPA Standard #1971 (2007 edition) and/or OSHA 29 CFR 1910.156, latest interpretation and CGSB 155.1 M88 for structural firefighters protective clothing.

OPTIONS/ DISCUSSION:

1. Current vacancies (2009), new recruits at Cathedral FS (2010), new recruits at Cornell FS (2010)

The new 2009 GXT material (Advance Outer Shell and Thermal Liner – STEDAIR 3000 moisture barrier combination) recommended in this report exceeds the current standards. The vapor barrier is a new Canadian fabric that is less expensive; however, it still must be shipped to the U.S. for production and assembly into the new garment. With the current appreciating dollar and revised specification which still meets the above noted standards, staff have negotiated pricing for the new suits at a total cost of \$1715.58 per suit (inclusive of PST and exclusive of GST) with a total reduction of 6.78% (\$124.48) per unit inclusive of PST and exclusive of GST, compared to previous purchase made in year 2006.

2. 68 bunker gear or 144 jacket and pants thermal liners replacement (2010)

Bunker gear ensembles and ensemble elements are approaching 10 years since the date of their manufacture. They have a higher likelihood of performance deficiencies in multiple areas and can often only be detected by non-destructive testing. As required per equipment tests through the NFPA 1851 legislation, Section 10.1.2, structural fire fighting ensembles and ensemble elements shall be retired no more than 10 years from the date the ensembles or ensemble elements were manufactured.

The Fire Department is required to begin testing of all bunker gear on an annual basis. An indication of the performance and comfort of the new materials, if not the life cycle durability, is anticipated by the end of the first recruit training in December. If it is unsuitable, we need to be able to return to the existing material specification - PBI Matrix Shell / Aralite thermal Liner – Cross Tech Moisture Barrier represents our current materials. There is an allowance for up to 68 bunker gear or 144 jacket and pants thermal liners replacement in 2010.

The staff negotiated pricing for the jacket and pant thermal liners, at a total cost of \$757.00 per combined unit (inclusive of PST and exclusive of GST) a cost variance of 55% (\$958.58) per unit inclusive of PST and exclusive of GST, compared to procuring new bunker gears as outlined in Section 1 above.

SCHEDULE

- September 2009 - 18 sets of bunker gears for current vacancies
- January 2010 - 68 bunker gear or 144 jacket and pants thermal liners replacement
- February 2010 - 20 sets of bunker gears for new recruits (Cathedral Station)
- December 2010 - 20 sets of bunker gears for new recruits (Cornell Station)

Note: Current lead-time for new bunker gear is 2 weeks for custom fitting, 8 to 10 weeks for manufacture and delivery. The lead-time for replacement liners for jackets and pants is 2 weeks for custom fitting and 3 to 4 weeks for manufacture and delivery.

FINANCIAL CONSIDERATIONS AND TEMPLATE:

Budget Account & Description	Budget	Budget Available for this Award	Award (Inclusive of PST and exclusive of GST)	Balance Remaining
67-6150-9106-005 Firefighter Tools and Equipment (Purchase of 18 bunker suits for replacement of current vacancies, starting September 2009)	104,000.00	104,000.00	30,880.44	73,119.56
67-5350-9529-005 Cathedral Fire Station - FF&E (Purchase of 20 bunker suits for new recruits at Cathedral FS, starting February 2010)	363,500.00	363,500.00	34,311.60	329,188.40
2010 Project 10124 Cornell Fire Station - FF&E *** (Purchase of 20 bunker suits for new recruits at Cornell FS,	427,800.00	427,800.00	34,311.60	393,488.40
2010 Project 10122 Bunker Gear *** Allowance for up to 68 bunker gear (\$116,659.44) or 144 jacket and pants thermal liners replacement (\$117,728.64) in 2010 as required based on equipment tests through the NFPA 1851 legislation) ****The 144 jacket and pants thermal liners replacement scenario is represented in the award column to the right.	118,300.00	118,300.00	117,728.64	571.36
Total	1,013,600.00	1,013,600.00	217,232.28	796,367.72

Budget remaining will be required for Firefighter tools and equipment replacement as required as well as other FF&E requirements at the Cathedral and Cornell Fire Stations.

*** Project 10124 and 10122 awards subject to Council approval of the 2010 Capital Budgets.

HUMAN RESOURCES CONSIDERATIONS

This report allows for the purchase of the bunker gear for the 20 new recruits for each of the Cathedral (Station 93) and Cornell (Station 99) Fire Stations.


ALIGNMENT WITH STRATEGIC PRIORITIES:

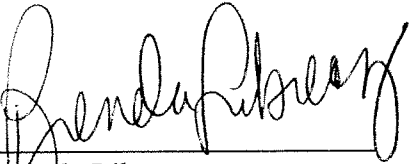
Not Applicable

BUSINESS UNITS CONSULTED AND AFFECTED:

Not Applicable

**RECOMMENDED
BY:**


Bill Snowball,
Fire Chief


Brenda Librecz,
Commissioner, Community
& Fire Services

ATTACHMENTS:

Attachment A - Extract from Council meeting on January 31, 2006