

Corporate Radio Replacement Project Update

Council Meeting
November 7, 2017

10854933

AFRRCS Overview

The Alberta First Responders Radio Communications System (AFRRCS) is a two-way radio network for first responders in municipal, provincial and First Nations agencies across the province.

The Alberta government is funding the network's construction, operation and maintenance, and it became operational on July 1, 2016.

AFRRCS Overview con't

- Public safety agencies using AFRRCS include:
 - first responders, such as police, fire and ambulance services
 - secondary responders, such as public works and public transit
- Agencies using AFRRCS are able to:
 - fully coordinate joint responses to emergency scenes
 - improve and integrate radio communication among first responders from different agencies
 - reduce the cost of radio system infrastructure
 - use robust, resilient radio technology in day-to-day operations

Source: <https://www.alberta.ca/alberta-first-responder-radio-communications-system.aspx>

AFRRCS Overview con't

- Public safety agencies are encouraged to use AFRRCS, but their participation is voluntary.
- First responder agencies are eligible to use the system on a no-cost basis. Secondary responders are able to use the system with a fee, which is scalable according to usage.

History

- 2015 - Our current Motorola Passport Radio system and dispatch console is at its end of life.
- 2016 - Facility Services and the IBI Group (consultant) completed an extensive study that recommended the AFRRCS as the best option for all Strathcona County radio users.
- 2016 - Executive Team approves 2017 capital budget for primary users (SCES) to move to AFRRCS and approved by Council as part of the 2017 Budget.
- 2017 – Executive Team recommends moving forward with including secondary users with the primary users AFRRCS radio replacement project.

Primary and Secondary Users

- **Primary user radio project:**

- Emergency Services' firefighters radio replacements
- Emergency Services' console replacements at Fire Station 1

Console replacements:

- RCMP/Enforcement Services

- **Secondary user radio project:**

Radio replacements:

- Facility Services
- Fleet
- Recreation, Parks and Culture
- Transit
- Transportation and Agriculture Services
- Utilities

Primary User Radio Update

The First Responders radio move onto the provincial AFRRCS (Alberta First Responders Radio Communication) system is currently in the equipment procurement stage.

- **SCES Dispatch Consoles**

Onboarding with a regional partner and working with our console consultant and with Legislative & Legal Services (LLS) to finalize this contract.

- **SCES Radio Replacements**

Onboarding with another regional partner and working with LLS and vendor to order the AFRRCS radio equipment.



Why now?

- Bulk purchase opportunity: November 24, 2017
 - Combine primary and secondary radio users
 - Combine RCMP/Enforcement Services console replacement with Emergency Services consoles purchase
 - Potential savings of \$150,000 to \$300,000 on the secondary users radio pending outcome of final procurement/system access processes
- Overall efficiency gains
 - Consolidate three projects into one corporate-wide radio systems to save resourcing and costs
 - Improves coordination between project phases for radio installation, system training and municipal activation onto AFRRCs

Project Budget Update

1. Primary User Radio Replacement Project

Approved \$2.8 million in 2017 budget. Due to savings in onboarding with other regional municipalities for November 2017 purchase, we expect to save \$800,000. Revised cost is approximately \$2 million.

2. NEW Secondary User Radio Replacement Project

2018 capital budget request for \$1.4 million to onboard secondary users onto AFRRCS network, annual secondary user fees to AFRRCS, and replace current Passport radio hardware.

3. NEW RCMP/Enforcement Services Console Replacement Project

2018 capital budget request for \$400,000 to upgrade 911 Bison Way dispatch consoles to AFRRCS-capable consoles

Project Consolidation Request

Request to consolidate these three budget items into a single corporate-wide capital item. Ordering secondary user radio equipment as part of the SCES order will allow for additional savings. This allows the County to take advantage of a volume discount on radio hardware.

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| • Original Primary user budget: | \$2,794,000 |
| (minus expected savings) | <u>- \$ 800,000</u> |
| | \$ 1,994,000 |

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| Projected Primary user cost: | \$1,994,000 |
| (plus original secondary user budget) | +\$1,400,000 |
| (plus RCMP/ENF SERV console budget) | <u>+\$ 400,000</u> |
| Revised budget request: | \$3,794,000 |

Proposed Timeline

- Q4 (2017)/Q1 (2018)
 - Emergency Services console replacement
 - Purchase of all replacement radios (primary and secondary)
- Q1 (2018)
 - Emergency Services radio replacement roll-out
- Q2 (2018)
 - Secondary radio replacement roll-out (six County departments)
- RCMP/Enforcement Services console replacement timeline TBD

Questions?

