



City of Boynton Beach Agenda Item Request Form

Meeting Date: 08/20/2024

Proposed Resolution No. R24-185- Approve a Piggyback Agreement with Motorola Solutions to replace handheld radios, upgrade existing dispatch radio consoles, and purchase two additional dispatch radio consoles in an amount not to exceed \$2,406,374.71, which will be paid utilizing a \$1,065,185 technology credit with the remaining balance of \$1,341,189.71 paid utilizing budgeted dollars.

Requested Action: Staff recommends approval of Proposed Resolution No. R24-185.

Explanation of Request: The current fleet of Boynton Beach Police radios, procured in 2016, has reached their life expectancy and surpassed their warranties. Since 2016, portable radio technology has evolved with new features and enhancements. A six-month review and testing of the new Motorola Apex radios was conducted, and it was determined that these radios will not only replace the outdated equipment but will offer the Police Department increased safety, reliability, range, and performance.

The total price of the replacement radios is \$2,406,374.71. The City has an existing technology credit of \$1,065,185 with Motorola. The remaining balance of \$1,341,189.71 will be paid by the City.

Radio pricing has been procured utilizing NASPO Contract No. 00318, which complies with the City's procurement requirements.

How will this affect city programs or services? The Motorola Apex radios will provide the City with enhanced safety and technical features unavailable with the sun-setting radio equipment for portables and communications center consoles. A few of these features include:

1. Real-time location tracking (to include elevation when in multi-level buildings) of the radios allows dispatch personnel to direct assistance to officers who may have moved away from their patrol vehicle and needs assistance or during a medical emergency.
2. The Apex can switch to cellular service automatically if the radio cannot transmit on RF frequency. This provides statewide coverage and failover during a radio tower outage or severe weather event. They can also be used if the department is deployed out of the City for mutual aid.
3. The Apex can collect analytical data on patrol operations and patrol geo fence mapping.
4. Officers and other users can voice announce the channel they need to switch to without

looking down or taking their attention off a subject or incident.

5. Over-the-air programming: reduced downtime of officers and radios to facilitate programming and updates.
6. Adjacent agency channels can also be programmed into the radio remotely when that access is provided.
7. The radios have a better display of the radio status that is easy to ready for the officers.
8. Unconditional warranty for all failures, including accidental damage. Regardless of how it was damaged.
9. More rugged design provides increased resistance to heat, sunlight, and harsh environments from previous models.
10. Improved battery life and faster charging rates keep devices in service longer.
11. Ambient noise reduction provides clearer audio transmissions.
12. Data from the new radios will be displayed in the RTCC for better deployment and supervision during special events and other incidents. The same analytical data will also be displayed.
13. New communications consoles will provide enhanced features to communicate with the radio system and utilize the latest encryption technology.
14. New consoles will provide better voice clarity and reliability to the 911 communications center.

Fiscal Impact: The total cost for this contract is \$2,406,374.71. A technology credit of \$1,065,185 will be utilized leaving a total amount of \$1,341,189.71.

Attachments:

[R24-185 Agenda_Item_1712-2023_Resolution_for_Motorola_Solutions_Piggyback.docx](#)

[Exhibit A to Resolution - Piggyback Agreement - Motorola _7.29.24_.pdf](#)

[Exhibit A to Piggyback Amt- Motorola executed.pdf](#)

[Exhibit B to Piggyback Agmt - QUOTE-2587324-7BBPD-FLEETREPLACEMENT\(217APXN70\)-07302024.pdf](#)

[Quote dated 6-10-24.pdf](#)

[BBPD - USFL24P041_BOYNTON BEACH, CITY OF - ADD TWO DISPATCH CONSOLES POSITIONS - 2024_Prop_07302024.pdf](#)

[BOYNTON BEACH PROPOSAL EXECUTIVE SUMMARY - JULY.pdf](#)

[BBPD - NOTICE TO PROCEED - NTP - JUNE 2024.pdf](#)

[R22-176.pdf](#)

[Change Order.pdf](#)