

CITY COUNCIL AGENDA TOPIC

Resolution authorizing entry into a purchase agreement with, and issuance of purchase order(s) to, Zoll manufacturing to procure up to \$390,494.57 in materials for the replacement of the Fire Department's Automated External Defibrillators (AEDs).

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Fire Department

EXECUTIVE SUMMARY**ACTION**

Authorize the purchase of thirty (30) Zoll manufactured AEDs for Bellevue Firefighter/EMTs use on all EMT apparatus. The current King County levy cycle of 2020-2025 has funds for this equipment purchase. These funds will no longer be available at the end of the levy cycle (December 31, 2025). This Resolution will authorize purchase orders to procure from Zoll manufacturing AED equipment costing approximately \$390,494.57.

RECOMMENDATION

Move to adopt Resolution No. 10543

BACKGROUND/ANALYSIS

AEDs function as an anchor tool used in cardiac emergencies to ensure the highest standard of care for out-of-hospital cardiac arrests.

Additionally, King County Emergency Medical Services, which is known for the exemplary medical services it provides to the communities it serves, evaluates information it receives from local fire departments. This information includes data provided from devices used on emergency scenes. AEDs carried by Bellevue Firefighter/Emergency Medical Technicians (EMTs) are one of these devices.

King County EMS has established the following AED requirements for King County Fire Departments:

- real-time data recording of Electrocardiogram (ECG) and Cardiopulmonary Resuscitation (CPR) data;
- audio recording synchronized with ECG and CPR measures;
- recording of event duration;
- programmable device operations such as manual override;
- real-time view of cardiac rhythm on screen;
- secure data transmission;
- long-term data storage and access;
- post-event review and analysis capabilities.

For the last 10 years, the two models currently used by Bellevue, the Philips Heartstart FR3 AED and Stryker Lifepak 15 AED, have met these requirements. Bellevue medics use the Stryker Lifepak 15 and

Bellevue Firefighter/EMTs utilize the Philips Heartstart FR3 AED.

Recently, King County EMS Program Medical Director, Dr. Tom Rea, informed King County fire departments that only AED products manufactured by Stryker and Zoll meet the above referenced requirements, rendering the Phillips Heartstart FR3 outmoded.

Bellevue Fire formed an equipment review committee comprised of the EMS Captain, EMS Training Lieutenant, a medic, EMS instructors and a member from the Basic Life Support Equipment committee. This group conducted in-depth evaluation of AEDs from both recommended manufacturers.

The Stryker Lifepak 15 AED is a robust, heavy and large AED that offers extensive capabilities. This is same product carried by Bellevue medic units, however it is much more complicated than necessary for Firefighter/EMT use.

Thus, the committee recommends the Zoll AED device for the following reasons:

- Offers no change in how Bellevue runs a cardiac arrest call, reducing the amount of training involved.
- Provides critical live feedback on the effectiveness of chest compressions (like feedback currently received from the FR3, but more information available to provide exceptional chest compressions and more readily available for all on scene than what the FR3 provides).
- Can detect a shockable rhythm much earlier than the FR3 and will increase the effectiveness during CPR.
- Contains a metronome with future update capability to accommodate the current county study that changes the chest compression rate every 4 months.
- Data upload can be performed wirelessly and is immediately reviewable.
- Imports directly into the patient record for receiving hospital to review.
- Smaller and lighter than the Lifepak 15.

Considering the required change as mandated by the King County EMS Program, the Zoll AED gives Bellevue the opportunity to continue providing the best care to the community during the initial moments of arrival for a cardiac emergency.

POLICY & FISCAL IMPACTS

Policy Impact

No policy impacts.

Fiscal Impact

There is no net fiscal impact to the City of Bellevue, as the full cost, approximately \$390K, will be covered by the King County EMS Levy's 'Core Services' budget. As of the latest financial report, this fund has a remaining balance of \$578K, which is expected to be fully utilized by the end of the current levy cycle on December 31, 2025.

OPTIONS

1. Adopt the Resolution authorizing entry into a purchase agreement with, and issuance of purchase order(s) to, Zoll manufacturing to procure up to \$390,494.57 in materials for the replacement of the Fire Department's Automated External Defibrillators (AEDs).
2. Do not adopt the Resolution and provide alternative direction to staff.

ATTACHMENTS

Proposed Resolution No. 10543

AVAILABLE IN COUNCIL LIBRARY

Vendor Purchase Quote