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To: Mayor and City Council Members
Steve Parker, City Manager

From: Shane McDaniel, Chief Information Officer

Subject: Resolution authorizing the City Manager to approve purchase for \$159,729.21 for the FY25 Microwave Radio Refresh CIP initiative

Date: March 4, 2025

Historical Background

The city last refreshed the microwave radio infrastructure carrying city utility data 8 years ago. During a 2024 SCADA technology audit performed by the Department of Homeland Security Cybersecurity and Infrastructure Security Agency (DHS CISA) the city was flagged for its legacy microwave radios lacking the ability to encrypt network traffic to current recommended standards. This was a known shortcoming, but the project had been pushed to accommodate other areas of the legacy tech infrastructure in more dire need of innovation. With those critical areas addressed, IT is requesting to proceed with upgrading the legacy microwave radio devices to meet acceptable standards of encryption and reset the lifecycle for these assets transmitting critical utility data.

Action Requested

The goal of this request is to seek approval to move forward with procurement of the chosen replacement solution with a professional services partner. JTS will acquire, configure, bench test, physically climb the towers, install the new hardware, and deinstall legacy radios removing unneeded hardware and clutter from city sites. All work will be performed under coordination with city personnel.

Procurement Methodology & Funding Source

Funding for this effort was allocated via the city's FY25 CIP program. Purchases will be made through JTS, who hold Texas Department of Information Resources (DIR) purchasing contract DIR-CPO-4792 for both the technology and professional services to upgrade and install the legacy devices citywide.

Staff Recommendation

Staff recommends approval and is available to answer any questions.

Attachments

Proposal JTSQ10787-02