

Memorandum

TO: City Council
FROM: Tim Cooney , IS Manager
DATE: December 15, 2025
SUBJECT: Authorize the purchase of a new Wireless Local Area Network (WLAN) solution.
ITEM NUMBER: 8.m
SECTION: CONSENT AGENDA

REQUESTED MOTION

To approve and authorize the purchase of a new Wireless Local Area Network (WLAN) solution from High Point Networks in the amount of \$46,865.17.

INTRODUCTION

The city manages a Wireless Local Area Network (WLAN) that supplies Internet access across all major facilities, including city hall, the community center, the maintenance center, and key outdoor public areas. This system is eight years old, which is significantly past its expected lifecycle. Consequently, it cannot support modern Wi-Fi standards (e.g., Wi-Fi 6/6E), limiting bandwidth and potentially compromising device compatibility and network speed for users. This project was included in the current capital improvement plan at \$50,000.

DISCUSSION

Current deficiencies: The existing wireless infrastructure is eight years old, lacks newer Wi-Fi standards and is difficult to maintain, causing staff time to be spent on cumbersome management tasks and problematic software updates. The current captive portal, used for public guest access, has limited functionality and security features.

Proposed solution: The new WLAN solution involves a full replacement of all Wireless Access Points (APs) with hardware supporting the latest Wi-Fi standards. This upgrade delivers:

- **Simplified operations:** Integration with the city's existing network switches (due to vendor parity) enables a single, unified management platform for the entire wired and wireless network.
- **Enhanced security:** A more robust captive portal will be implemented, offering secure connectivity alongside real-time auditing capabilities for comprehensive user activity tracking.

The city solicited competitive quotes from SHI and High Point Networks for the hardware and management subscription service.

RECOMMENDATION

City staff recommend the city council approve the High Point Networks quote in the amount of \$46,865.17. Although this quote represents a higher initial investment compared to the SHI proposal, the selection is justified by the critical advantage of seamless product integration with the city's existing network switching environment. This amount also includes a three year subscription for the management portal, Extreme Platform One. This consolidation ensures a unified management platform, significantly simplifying maintenance, reducing staff training time, and ensuring greater operational stability across the entire wired and wireless network infrastructure.

ATTACHMENTS

[HPN-ExtremeNetworks.pdf](#)

[SHI-Fortinet.pdf](#)