

Board Agenda Summary

Technology Infrastructure Upgrade – Core Switch Replacement and Wireless Expansion

Meeting Date: March 23, 2026

Agenda Item: Approval of Network Infrastructure Upgrade and Access Points at Junior High and High School

Department: Technology

Funding Source: E-Rate (Schools and Libraries Program)

Background

The district's core network switches serve as the central connection point for all network traffic at each campus, supporting instructional devices, staff computers, security systems, phones, and wireless networks.

Several of the district's current switches are approaching the end of their supported lifecycle. In addition, recent building additions at the Junior High School and High School require expanded wireless coverage to support new classrooms and learning spaces.

Upgrading this infrastructure will ensure reliable connectivity, support increased device usage, and maintain the district's ability to deliver modern instructional technology.

Project Scope

The proposed project includes:

Core Network Switch Replacement

- Installation of **one new core network switch at each district campus**
- **Four (4) total core switches**
- **One (1) additional backup core switch** to serve as a spare in the event of hardware failure

Wireless Expansion

- Installation of additional **wireless access points** in newly constructed areas at:
 - Junior High School
 - High School
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Procurement Process

This project was submitted for funding through the **E-Rate Schools and Libraries Program**. The district followed all required competitive bidding procedures, including:

- Development and **Request for Proposals (RFP)**
- Receipt of **four (4) vendor bids**
- Evaluation by a district review committee using a **weighted scoring matrix**, with **price as the highest weighted factor** in accordance with E-Rate guidelines.

After evaluation, **Intech Southwest** was identified as the vendor providing the most cost-effective solution that meets the district's technical requirements.

Bid Summary

| Vendor | Bid Amount |
|---------------------------|-------------------|
| Karr Technology Solutions | \$201,003.97 |
| EduTEKS | \$249,626.00 |
| Intech Southwest | \$78,550.00 |
| ConvergeOne | \$131,128.00 |

Financial Impact

| Cost Category | Amount |
|------------------------|---------------|
| Total Project Cost | \$78,550.00 |
| E-Rate Funding (60%) | \$47,130.00 |
| District Portion (40%) | \$31,420.00 |

The district will utilize **Service Provider Invoice (SP1) billing**, which allows the vendor to bill the E-Rate program directly for the discounted portion.

This means **La Vernia ISD will only be billed for its 40% share (\$31,420)** rather than paying the full amount and later requesting reimbursement.

A portion of the project includes **wireless access point installation for the new instructional areas**, which totals **\$8,244**. This portion **may be eligible to be covered through district bond**

funds associated with the recent facility additions, which would further reduce the cost to the district's technology operating budget

Benefits to the District

This upgrade will:

- Improve **network speed and reliability**
 - Support **growing instructional technology demands**
 - Provide **wireless coverage in new instructional spaces**
 - Reduce risk of **network outages due to aging equipment**
 - Provide **scalable infrastructure for future technological needs**
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Recommendation

Technology Department recommends that the Board of Trustees **approve the network infrastructure upgrade proposal and vendor selection of Intech Southwest** in the amount of **\$78,550**, with **\$31,420** funded by the district after E-Rate discounts.