

# Silver Valley USD

*E-RATE YEAR 2007 (10- 2007/2008)*

## **Hardware Requirements:**

The district is seeking hardware replacements for the school sites listed on the attached spreadsheet. The District intends to standardize on a hardware platform therefore, all switch chassis are to be of the same manufacture and the same management tools.

The district wishes the vendor to provide pricing for all necessary hardware to provide connectivity to the port count listed at each distribution facility, with installation, configuration priced separately. The price should include a one-year warranty on the hardware. The vendor will provide basic maintenance (to reinstall a failed component, reconfigure etc.) on new equipment for up to one-year free of charge.

### **Access Layer/Edge Switches (if used) must support the following:**

- 10/100/1000 non-blocking with all ports fully subscribed
- "SFP" (Small Form Factor Pluggable) fiber ports, minimum 4 (four) per switch
- Link aggregation (IEEE 802.3ad ) up to 4 x 1Gbps SFP per switch and across switches in a stack
- 10Gig upgradeability
- Stackable or upgradeable to stacking
- 8 queues of Quality of Service per port
- Ingress & Egress rate shaping
- Layer3/Layer4 ACLs (Access Control Lists)
- Static Routing
- OSPF (Open Shortest Path First) capable or upgradeable to OSPF
- 802.1x with support for multiple supplicants
- 802.3AF Power over Ethernet(PoE) support on each copper port
- LLDP (Link Layer Discovery Protocol)
- Rack mountable with mounting hardware for a standard 19 in rack.

### **Aggregation Switches (if used) must support the following:**

- minimum 20-10/100/1000 non-blocking with all ports fully subscribed
- "SFP" (Small Form Factor Pluggable) fiber ports, minimum 4 (four) per switch
- Link aggregation (IEEE 802.3ad ) up to 4 x 1Gbps SFP per switch and across switches in a stack
- 10Gig upgradeability
- Stackable or upgradeable to stacking
- 8 queues of Quality of Service per port
- Ingress & Egress rate shaping
- Layer3/Layer4 ACLs (Access Control Lists)
- Static Routing
- OSPF (Open Shortest Path First) capable or upgradeable to OSPF
- 802.1x with support for multiple supplicants

- 802.3AF Power over Ethernet(PoE) support on each copper port
- LLDP (Link Layer Discovery Protocol)
- Rack mountable with mounting hardware for a standard 19 in rack.
- Redundant Power Supply option

**Core Switches (if used) must support the following:**

- Modular chassis
- Redundant Power Supplies
- Redundant switch management modules
- Management module failover with less than 5 seconds system downtime
- Modular switch operating system for software service during operation
- Full non-blocking bandwidth on all ports per blade fully subscribed
- All copper ports 10/100/1000
- All fiber ports sfp 1000mbps or 10Gbps
- 10 Gbps capability
- Ingress & Egress rate shaping
- L3/L4 ACLs
- Static Routing
- OSPF or upgradeable to OSPF
- 802.1x with support for multiple supplicants
- LLDP Link Layer Discovery Protocol

**Wireless Access Points must support the following:**

- Appliance-Based system with run-time APs
- Redundant power or redundant power option on appliance
- High availability option, such as dual appliances with failover
- OSPF and VRRP support on the appliance
- A/B/G Radios
- WEP, WPA, WPA-2 and AES Encryption
- Captive Portal login option with customizable screens
- Radius Authentication
- Dynamic RF Management
- Support for mobile applications such as VoWLAN

**Installation Requirements:**

- Installation will be provided for all equipment provided.
- Installation will include the connection/termination/patching of existing network cabling to equipment
- Installation will include the labeling of all patch cables with the patch panel number at the switch connection point.
- Where multiple patch panels exist the preferred installation method is to mount switches between patch panels to simplify cabling and wire management.
- Installation will utilize existing patch cables.

# **SILVER VALLEY UNIFIED SCHOOL DISTRICT**

## **E-RATE YEAR 10 (2007/2008)**

### **SERVICE PROVIDER PRE-QUALIFICATION GUIDELINES**

#### **Service Provider Criteria and Contract Requirements**

The requirements outlined in this document will apply to all contracts entered into as a result of the posting of (2007-2008) E-rate Form 470/471.

Bids can be submitted within the 28-day posting period, but are not required until the 29th day or after the job walk (if required), whichever is later.

All service providers responding to the posted Form 470 are to be listed California Multiple Awards Schedule (CMAS) providers unless expressly noted otherwise in the quote or district's scope of description.

All State of California contractor licensing requirements for public schools apply. Any contractor providing work under these contracts shall have the appropriate license for the scope of work they are to perform. Cabling work requires a C-7 license.

These projects and services depend on partial funding from the E-rate program.

- Applicant expects each Service Provider to make themselves thoroughly familiar with any rules or regulations regarding the E-rate program.
- All contracts entered into as a result of the posting of this Form 470 will be contingent upon the specific funding of the FRN at the percentage rate submitted for.
- The maximum percentage the Applicant will be liable for is the pre-discount amount minus the funded amount as shown on the form 471 Block 5. The Service Provider will be responsible for invoicing the Schools and Libraries Division for the funded amount.
- NO billing or work can take place before July 1, 2007.
- The contractor is responsible for providing a valid SPIN (Service Provider Identification Number).
- ***The contractor is responsible for providing an FCC Registration Number (FRN) and proof of Green Light Status from the FCC. Any potential bidder found to be in Red-Light Status will be disqualified from participation in the bidding process and will be considered non-responsive.***
- All work is subject to the 100% approval of the project or purchase by the FCC under the E-rate discount program of the Telecommunications Act of 1996.

- No change orders will be allowed for the work resulting from this posting.
- Additional terms and conditions are delineated in the specifications referenced in the 470's.
- The Service Provider will be required to send copies of all forms and invoices submitted to SLD prior to invoicing the SLD to the District for our records.

All Service Providers will be responsible for procuring the discounted amount from the SLD. Applicant will not provide the form 472 (Bear form reimbursement process).

The Applicant reserves the right to deny any or all proposals associated with a particular form 470, even with SLD funding approval. The district reserves the right to accept the pricing proposal solely dependent upon SLD approval.

**Prospective Service Providers will be required to submit three references, with a portfolio describing experience with comparable projects in the K-12 customer market, the appropriate CMAS contract, their SPIN number and their FCC Registration Number (FRN). Failure to supply these documents may be considered grounds for dis-qualification.**

Service Providers must meet the following qualifications in order to be considered:

1. If providing electronic equipment quotes for switches/hubs/routers Service Providers must have at least 1 CCIE (Cisco Certified Internet Expert) on staff.
2. If providing cable work, it must be RCDD certified.
3. If providing cable work, as-built diagrams electronic and paper copies and cable test results must be provided within 45 days of completion of work.
4. If providing cabling work, must have C7 License.
5. No sub-contractors can be used in order to meet the CMAS contract requirements. If requested, the service provider must be willing to have employees fingerprinted.
6. All product pricing provided for 471 purposes must be functional equivalent or better once the Applicant has received SLD approval for purchase. The Service Provider/supplier must receive approval from the SLD for this substitution.
7. Service Provider must attend a mandatory walk-through for cabling.
8. If the Service Provider is quoting both the electronics and the cabling the quotes provided from this walk-through must have electronics, cabling materials and cabling labor separately detailed on the final response. (Note: Responses will be ignored if the quotes are not separated as specified above.)
9. Service Provider must provide with quotes the CMAS contract pages that show the goods and/or services they are quoting.
10. Service Provider must pay any CMAS contract usage fee.

## **Right to Reject Any and All Quotes**

We reserve the right to reject any or all proposals and to waive any informalities or regularities. The Service Provider's submission of a proposal is recognition of this right.

In addition, the district reserves the right to fund, (proceed with project or purchase) or not to fund regardless of E-rate approval. Applicant will provide each respondent vendor with a deadline by which to submit the final response, in writing.

## **Evaluation Criteria**

**Price will be the most heavily weighted factor in selecting the awarded vendor.**

**Other evaluation criteria may include, but are not limited to:**

**References**

**Past experience with applicant**

**Understanding of needs**

**Past successful E-Rate experience**

**Completeness of response**

Applicant will score all responses submitted within the guidelines noted above, using a rubric scoring system.