

Chehalis School District  
REQUEST FOR PROPOSAL (RFP)  
Issue Date: February 10, 2012

**Request for Qualifications and Proposal-  
Server Infrastructure Upgrade**

**Introduction:**

The Chehalis School District (CSD 302) serves about 2750 students, kindergarten through twelfth grades. The ethnic make-up of the population is dominantly Caucasian 74%, followed by Hispanic 15%, African American 2%, Pacific Islanders and other 9%. The district has embarked upon an aggressive and impressive initiative to improve the educational opportunities provided for students and their families. The District consistently strives to improve the academic, social, as well as the overall health and economic conditions for the entire Chehalis community. Chehalis School District has about an 75% free and reduced school lunch rate.

The Chehalis School District also serves Green Hill School, a maximum-security juvenile incarceration facility. The ethnic make-up of that population is dominantly Caucasian 34%, followed by Hispanic 32%, African American 23%, American Indian / Alaskan Native 4%, and other 7%.

The Chehalis School District (CSD 302), in support of Green Hill Academic School, is inviting proposals (in partial or in whole) from qualified vendors with E-Rate SPIN numbers to submit a proposal (in partial or in whole) to upgrade our server infrastructure to the latest servers. E-Rate Internal Connections request Form 470 #**297140001017451** shows that Green Hill Academic School is seeking to replace its server infrastructure that supports network services critical to student learning. Green Hill Academic School currently utilizes Windows 2008 Servers for DHCP, print, storage and other network services. Our network is setup in a mesh network, where all sites are connected via fiber to the high school.

All vendor proposals for this RFP are due to the CSD 302 Technology Department by 5:00 PM PST, Friday, March 9, 2012.

The selection process will include review and evaluation of proposals by school district staff. Cost will be the primary factor for evaluation, and other criteria include understanding of needs as expressed in the submitted bids, and vendor experience with providing requested services. The district may bring in outside consultants and/or members of the community to assist with the review of the proposals. Selections of proposals that best meet the requirements of the District are expected to be complete by Friday, March 9, 2012.

## **Background**

The Chehalis School District currently supports 7 educational sites and a District office including nearly 2750 students and an employee base of approximately 200 teachers and central office staff. These offices and education sites are widely connected by a District supported Local Area Network (LAN) and Wide Area Network (WAN) utilizing 1Gbps fiber to 7 school sites. The current use of our District LAN/WAN can be characterized as follows:

- Transmitting administrative data for managing our staff, schools and students.
- Providing resources for distributing educational content to the classroom.
- Providing access to the Internet for educational purposes.

This WAN consisting of 7 LAN sites currently have a professionally installed data network infrastructure with Internet access available in every classroom. All buildings contain a Cisco 3500 XL PoE or Cisco 2900 switch (for VoIP) and either HP ProCurve J9021A, HP ProCurve 2910AL or ATI 8000, connected to a fiber backbone. Each school has between one to seven professionally installed IDFs that are connected to the MDF with fiber. Existing networked switches and routers are from Cisco Systems, Inc., (about 50 total), Hewlett Packard (about 20 total) and Allied Telesys (about 16). We have a Cisco CallManager (version 6.0) VOIP Telephone system.

Green Hill has a mixture of Dell PowerEdge R710 servers running VM ESXi, Dell PowerVault MD3000 iSCSI and various Apple xServes or Mac Mini Servers, which are to be replaced. All servers reside in standard telecom racks.

Green Hill has two separate networks over two VLANs (Staff network and Student network)

## **Proposal Requirements**

The Chehalis School District (CSD 302) is seeking to upgrade our server infrastructure at Green Hill School. Green Hill Academic School desires the most up-to-date version of like servers available at the time E-rate funds will be released. Green Hill Academic School is also looking to install Digital Curriculum and Media server, Classroom Media Controller and Kiosk Controller.

Because E-rate funds will be available beginning 7/1/12 or sometime thereafter, it is up to the vendor to provide a quote for estimated costs for whichever latest version server they can provide at the estimated time.

**The winning bidder will best (and at the least cost) fulfill the below requirements for planned servers for the following items along with any associated costs identified in the Proposal document:**

1. **Network Server Specification:** Green Hill Academic School requires equivalent to 2 new ESXi Servers and 2 Apple Servers as specified below:

- 2 servers will operate in a virtual environment on the Staff Network which will host:
  - DNS servers/domain controllers
  - DHCP server
  - Web server
- 1 server will operate on the Student Network as a DHCP server
- 1 server will operate on the Student Network as a Web server
  
- All servers should have robust Intel dual processors, minimum 2GHz
- We desire no larger than 2U rack-mount servers
- A RAID configuration for ESXi with at least 4TB of usable hard disk space
- A HD configuration for non-PC's of SSD drives
- At least 64GB (PC servers) and 24GB (non PC) of RAM
- Need 4 - 28" LCD monitors for the servers
- Need 4 keyboards and scroll mice
- Rack rails to be installed into standard telecom racks

2. **VoIP Server Specification:** CSD 302 / Green Hill Academic School requires 2 new VoIP servers as specified below:

- 2 servers will operate our call processing system (primary and secondary server)
- 2 servers will operate our E911 system (primary and secondary server)
  
- All servers should have dual Intel Xeon 5500 Series or better CPU's
- We desire 2U or smaller rack-mount servers
- At least 16 SFF drive bays
- Built-in RAID 0 and 1 support for up to four SATA drives; RAID 0 and 1 support for up to four SAS or SATA drives with optional mezzanine card; and RAID 60 support for up to 16 SAS or SATA drives with RAID Controller Card
- At least 64GB DDR3 Memory
- Unified communication software equivalent to Cisco UCS Manager, improving operational efficiency and flexibility.
- Need 4 - 28" LCD monitors for the servers
- Need 4 keyboards and scroll mice
- Rack rails to be installed into standard telecom racks

3. **Data Switch Specification:** CSD 302 / Green Hill Academic School requires 13 new Data Network switches as specified below:

- 48 Port 10/100/1000 RJ45 Ethernet Cards with full POE+
- 4 fixed 1000/10G SFP+ ports
- Redundant, modular power supply
- Layer 2/3 switching
- Logically stackable

4. **VoIP Switch Specification:** CSD 302 / Green Hill Academic School requires 3 new switches to utilize the most of our current Cisco Call Manager VoIP system as specified below:
- 48 Port 10/100/1000 RJ45 Ethernet Cards with Full POE+ on all ports (435w or more available)
  - 10Gbps and/or 1Gbps Optical Fiber Transceiver Modules (SFP)
  - Redundant, modular power supply
  - Layer 2/3 switching
  - Logically Stackable
  - Capable of sharing power through stack
5. **Digital Curriculum and Media server:** Green Hill Academic School requires server as specified below:
- Dual 2.4–2.7 GHz Quad-Core Intel® Xeon® Processors
  - 24 GB of RAM
  - 8 hot swappable hard drive bays
  - Dual 146 GB OS drives (SAS 15 K)
  - Fully redundant RAID 1 configuration for OS drives
  - DVD-ROM Drive
  - Network: (2) 10/100/1000 Mbits/s Network Ports
6. **Classroom Media Controller:** Green Hill Academic School requires server as specified below:
- Intel Dual Core Atom TM330
  - 1 GB RAM
  - 5.1 Channel audio subsystem
  - 10/100/1000 Mb/sec LAN
  - VGA port
  - Minimum 4 USB
7. **Kiosk Controller:** Green Hill Academic School requires server as specified below:
- Intel Dual Core Atom TM330
  - 1 GB RAM
  - 5.1 Channel audio subsystem
  - 10/100/1000 Mb/sec LAN
  - VGA port
  - Minimum 4 USB

**Documentation:** Describe what documentation will be provided about the entire system for maintenance, troubleshooting, changing configurations and other necessary functions.

**Vendor Experience:** Describe your organization's K-12 experience installing server infrastructure, and/or if you have worked with Chehalis School District 302 in the past.

**Service and Warranty:** Describe warranties, guarantees, help desk offerings and support that will be available during and after this project. Supply a detailed list of service level agreements offered by vendor. Make the warranties and support E-rate eligible... that is, provide basic maintenance contracts. Please include a description and charges for providing a yearly service contract to support and maintain the new system.

**E-Rate SPIN:** Since we will be requesting E-Rate funding, each bidder must submit a valid SPIN number with their proposal and provide services under the regulations and guidelines of E-Rate, the national funding source governed by the Schools and Libraries Division (SLD) of the Universal Service Administrative Company (USAC).

**Due Date:** Friday, March 9, 2012, 5:00PM Pacific Standard Time. No proposals will be accepted beyond this time.

### **Assumptions & Bidder Requirements**

- This RFP will be posted on our Chehalis School District web page at the following address:  
<http://www.chehalis.k12.wa.us>.
- The scope of this contract may be scaled up or down to meet both the amount of received E-Rate funding and the Chehalis School District budget.
- The bidder must state their assumptions for this project, including how pricing was calculated and on what it was based. Include any other assumptions used to determine the amount of work necessary to ensure success.
- The work of this project will not affect nor interfere with the functionality of the existing infrastructure or live systems until the new implementation has been thoroughly tested and documented and is ready to go into production.
- Upon selection of a vendor, the District will provide access to various documents and key District personnel relevant to this project, as needed by the selected vendor.
- The bidder must provide their SLD SPIN identification number along with their proposal.
- The District reserves the right to review resumes and credentials, and approve or disapprove the assignment or reassignment of Vendor personnel.
- CSD 302 will not award this project based solely on lowest bid, but rather lowest qualified bidder and the following weighted criteria will be taken into account:
  - a. Price of the eligible goods and services 35%
  - b. Quality of product/service 25%
  - c. Industry experience/credentials 20%
  - d. Prior Experience with/knowledge of the District environment 20%

### **Submittal**

- All proposals must be submitted with one (1) electronic copy in Microsoft Word, Excel or Project or PDF format (preferably).
- Electronic proposals may be e-mailed as long as no piece of the e-mail submittal is larger than 10MB.
- Responses must be submitted by Friday, March 9, 2012 by 5:00PM PST to:

[rlucas@chehalis.k12.wa.us](mailto:rlucas@chehalis.k12.wa.us)

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