

## **BACKBONE EQUIPMENT SPECIFICATIONS**

1. Brief Overview of LAN

2. Project

**15-001 # Basic Maintenance of Eligible Internal Connections**

A – Data / Voice Network Cabling System

B – Network Equipment

C – Eligible Server Equipment

D – Telephone System

E – Non E-rate Eligible Items

3. Basic Maintenance Instructions

**DESIGN DOCUMENTATION Project 15-001**  
Waukena Joint Union Elementary School District  
FY2012 - E-Rate (old Year 15) 2012-2013  
*\* Pending E-Rate Funding*

---

**BRIEF OVERVIEW OF LAN**

Waukena Joint Union Elementary School District's technology plan accounts for up to eight computers, a printer, and a teacher workstation per classroom. The cable plant will allow for up to ten nodes per classroom. The site has six buildings and a total of twelve (12) classrooms

The proposed backbone design for all Waukena Joint Union Elementary School site is submitted as a switched, collapsible Gigabit Ethernet system, interconnecting all of the ICs at a minimum of Gigabit speed.

## PROJECTS

### 15-001 Waukena Joint Union Elementary School District

#### Statement of Work

##### *Objective*

To maintain the reliability and usability of the telephone system, wiring, and network equipment currently in-place. Basic Maintenance and Technical Support is defined as 'repair and upkeep of eligible hardware, wire and cable maintenance, basic technical support and configuration changes'. It also includes cleaning of dust and debris from equipment (to keep heat down), labeling and/or relabeling (as labels get damaged) and software/firmware upgrades as recommended by manufacturer or District. **Basic Maintenance and Technical Support does not include permanent on-site tech support, 24-hour network monitoring, network management, or help desks.** All pricing for eligible items and services must be separated for ineligible costs. Please provide a separate cost for each category (Network, Server), and specifically identify the products covered, including product name, model number, and location.

##### E-Rate eligible items

###### A.) Cabling

- 1) Basic Maintenance, repair, upkeep
  - a) Provide a not-to-exceed price for support of existing network and video cabling
    - i) Twenty-four [24] - Existing Telephone drops
    - ii) One-hundred Fifty [150] - Existing Cat5e network drops
    - iii) One [1] - Existing MC (Main Cross-connect) location
    - iv) Two [2] – IC (Intermediate Cross-connect) locations
    - v) Exterior cable runs are enclosed in 2" metallic conduit
    - vi) Interior cable runs are through ceilings and surface-mount raceway
  - b) Vendor will plan a minimum of one on-site visit per quarter for basic Maintenance services.
  - c) Cover the time period to June 30, 2013

###### B.) Network Equipment

- 1) Cisco Base (or Equivalent Maintenance) for Existing Cisco Equipment
  - a) One [1] - Cisco 3745 router - with CCME-SMALL and SCUE-12-VM
  - b) One [1] - Catalyst 4506 - Core Switch w/ blades
  - c) One [1] - Catalyst 2950G 48
  - d) Three [3] - Aironet 1100 WAP
  - e) One SonicWALL NSA2400 Firewall (SonicWALL 8x5 support package)
  - f) Up to FIVE (5) UPS units supporting eligible equipment (APC, TrippLite & Belkin)
- 2) Basic Maintenance of Eligible Network Equipment (incl. Non-Cisco)
  - a) 4-hour emergency response time
  - b) CCNA or equivalent certified technicians
  - c) Vendor will plan a minimum of one on-site visit per quarter for basic Maintenance services.
  - d) Cover the time period to June 30, 2013
  - e) Telephone & Remote technical support

**DESIGN DOCUMENTATION Project 15-001**  
Waukena Joint Union Elementary School District  
FY2012 - E-Rate (old Year 15) 2012-2013  
*\* Pending E-Rate Funding*

C.) Server Hardware and Software

1. Basic Maintenance of Eligible Servers

- a. Two [2] - Existing DNS, DHCP servers (IBM X-235 & x-345)
- b. 4-hour response time for critical issues
- c. MCSE or better technicians with proper specializations
- d. Cover the time period to June 30, 2013
- e. Telephone technical support

D) Telephone System - Toshiba System (CHSUB112A2 & CHSUE112A2)

- a) 4-hour emergency response time
- b) Manufacturer- hardware & current version software-certified technicians
- c) Cover the time period to June 30, 2013
- d) Telephone & Remote technical support

E) Non- E-rate Eligible Items

**\* Please submit a separate bid for maintenance for these items**

- 1) Telephone Handsets (approx. 20)
- 2) Non-eligible server support
- 3) SonicWALL CGSS (Comprehensive Gateway Security Services) package for NSA2400

**DESIGN DOCUMENTATION Project 15-001**  
Waukena Joint Union Elementary School District  
FY2012 - E-Rate (old Year 15) 2012-2013  
*\* Pending E-Rate Funding*

---

**BASIC MAINTENANCE INSTRUCTIONS**

**All MC and IC equipment will be maintained and configured at school sites as per district staff guidelines. All contracts, literature, manuals and documentation will be delivered prior to project final payments being made.**

**VENDOR WILL PROVIDE ACCOUNTING TO DISTRICT REGULARLY OF SUPPORT PROVIDED INCLUDING NATURE OF PROBLEM, WORK DONE, DATES, HOURS, EQUIPMENT MAINTAINED, AND FINAL RESOLUTION.**

**Please include LINE ITEM PRICING and E-RATE SPIN NUMBER in BOTH hard and soft copy format with bid.**

**Bids submitted without LINE ITEM PRICING and E-RATE SPIN NUMBER will be considered non-responsive.**