



Status Update for AHS Measure Q Technology Projects: Digital Phone System

Overall status: **Completed**

Overview

Replace aging analog (Centrex) phone service system with modern digital phone service; Voice Over IP (VOIP).

Reference "[Measure Q Technology Expenditures 2011-2012](#)" document under General Information for further details.

Schedule item	Contact	Today's Date	Estimated Completion Date	Actual Completion Date	Comments
Design Infrastructure	tcurry@nohum.k12.ca.us	12/28/11	1/5/12	1/4/12	Complete
Install Infrastructure	tcurry@nohum.k12.ca.us	2/22/12	5/2/12	4/13/12	Complete
Design Phone System	tcurry@nohum.k12.ca.us	1/3/12	3/20/12	3/20/12	Complete
Bid (2012)	tcurry@nohum.k12.ca.us	1/3/12	2/1/12	3/20/12	Selected AT&T VDNA Hosted VOIP
Install Phone System	tcurry@nohum.k12.ca.us	2/28/12	8/3/12	3/2013	AT&T Extremely late; final handoff and training completed March 2013
Bid 2016	tcurry@nohum.k12.ca.us	7/1/16	7/28/16	7/28/16	Selected Cisco System, with Development Group as the implementer
Install Phone System	tcurry@nohum.k12.ca.us	11/18/16	12/23/16	2/24/17	Complete

Technical Details

Three of the Intermediate Distribution Facilities (IDFs) at AHS have wiring (installed during the 1990's) that does not support VOIP services. Additionally, fiber cable running to two of the IDFs does not support the 10Gb data transmission speed provided as part of the Infrastructure Equipment upgrade performed during the Summer of 2011. New fiber will be pulled to the Gym facility and the Agriculture/Metal/Auto Shop building. New classroom data wiring will be pulled for the Gym, the Agriculture/Metal/Auto Shop building, and the Band/Choir/Drama building.

Due to the level of FCC subsidy for our telecommunications services (ERate), the most economical method of providing digital phone services is hosted VOIP. The ERate subsidy process and telecommunication provider lead time dictate the digital phone system design and installation timeline. The ERate application process began on 1/3/12; as a result, we have received 2 bids. We are in the process of evaluating each bid and will select a provider prior to the 3/20/12 ERate deadline. The selected telecommunications provider requires 90-120 days to configure and install the hosted VOIP system. During that time period handsets will be selected and purchased.

(Update 6/4/12)

On 3/20/12 NHUHSD selected AT&T's hosted VDNA VOIP solution. Over 200 handsets were ordered and have been delivered to AT&T's staging area. Planning for the transition is under way with tentative pretest and turn-up dates set for late July.

(Update 7/1/16)

Beginning 7/1/14 the FCC started to phase out ERate subsidies for voice communications services. As a result by 7/1/17 costs for the existing service were going to increase by approximately 200%. It was determined that a new premise-based phone system would save the school district approximately \$250k over a 10 year life span (\$50k per year beginning year 5).