

## Measure Q Technology Expenditures 2011-2012

Beginning in March 2011 the District Technology Committee began the process of envisioning how Measure Q Technology funds would be used to modernize our school's learning environments. It was generally agreed that these funds would be best used not to simply replace what we have, but to move forward and create learning environments that support 21<sup>st</sup> Century tools, skill sets, and pedagogy. Based upon research (such as **Horizon Report 2011: K12 Edition, Gartner Research**, and the **US Department of Education's National Education Technology Plan**) and feedback from site faculty we established Solution Guidelines for evaluating how Measure Q funds would be effectively utilized to impact learning as far into the future as possible. Guidelines such as *interactivity, mobility, ease of use, standardization, relevance, and agility* were used, and will continue to be used as existing technological solutions are implemented and new technological solutions are evaluated.

Our goals for the 2011-2012 school year were/are as follows:

- Expand our ability to transmit data within our schools, between our schools, and to/from the Internet (e.g. **Infrastructure**). Infrastructure consists of the wiring and switching devices used to interconnect computers, laptops, tablets, printers, telephones, and any other peripheral equipment. The existing switching devices were not to current industry standards, and some wiring is/was left over from the mid 1990's.
- Replenish and expand our use of **digital projectors**. NHUHSD has been utilizing digital projectors since 2000, and they are still recognized as an integral component of a 21<sup>st</sup> Century Learning Environment. Many of the existing digital projectors were over 10 years old and either non-functional or degraded. There were/are still a significant number of classrooms without digital projectors.
- Establish several model, **standardized interactive classrooms** with digital whiteboards or projectors, student response systems, and document cameras at Arcata High School, McKinleyville High School, and Six Rivers Charter High School. These technologies have emerged as tools supporting 21<sup>st</sup> Century Learning Environments. Before investing in these tools school-wide, it was determined that small-scale testing and evaluation should be performed.
- Immediate **computer lab** needs at Arcata High School necessitated expenditures to replenish computers and monitors.

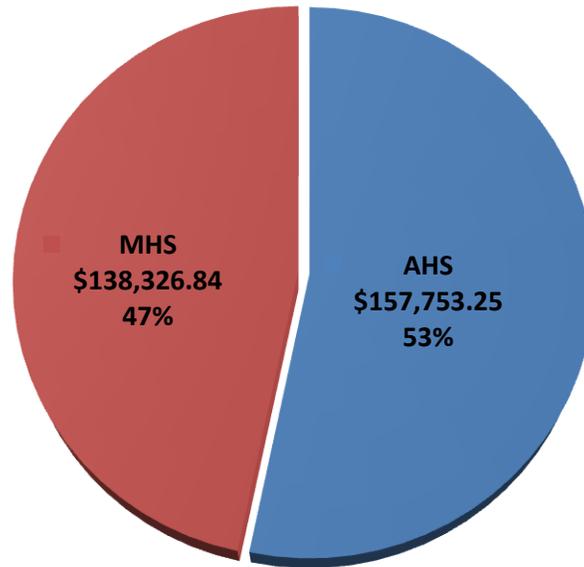
While tentative goals for the 2012-2013 school year are beyond the scope of this report, circumstances attached to the current PA System Project required making a decision to implement one of those goals ahead of schedule. When the new PA System was designed, it was assumed the old PA system conduit would be available for use. In reality, the majority of the old PA conduit in our classrooms had been appropriated when analog classroom telephones were installed. As a district, we had a choice:

- 1) Expend significant additional funds to run new, parallel conduit for the PA System Project.
- 2) Replace our antiquated analog phone system with a new **digital phone system** (running over the new Infrastructure) one year ahead of schedule.

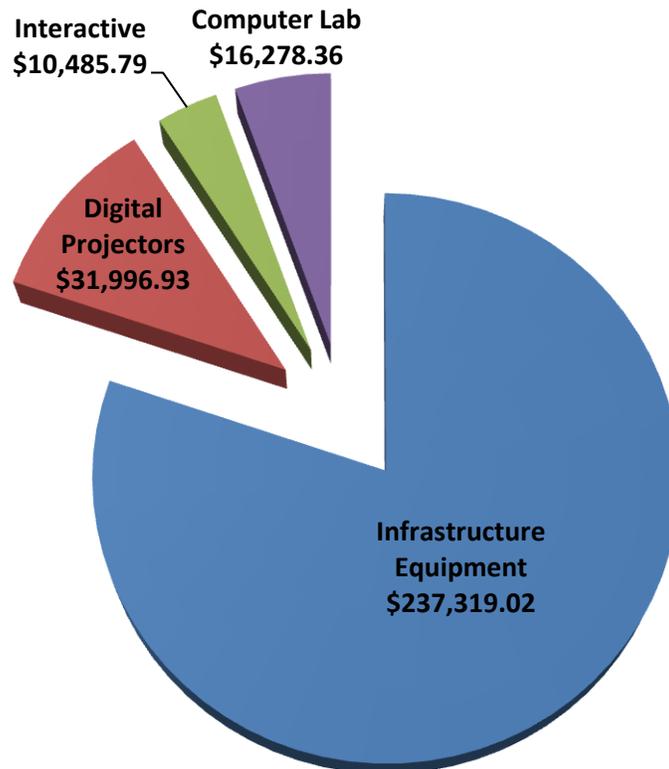
The latter choice was made, necessitating early completion of additional wiring projects and digital phone acquisition.

The following information is a detailed breakdown showing how Measure Q Technology funds were utilized (as of 2/7/12) to implement the identified goals: **Infrastructure, Digital Projectors, Standardized Interactive Classrooms, Computer Lab**, and anticipated expenditures for the **Digital Phone System**. These anticipated expenditures include Replacement of Old Data Cabling and Fiber, Phone Set Up, and Phone Handsets. Firm quotations have only been received for Replacement of Old Data Cable and Fiber. Quotations for Infrastructure Equipment, Phone Set Up, and Phone Handsets are forthcoming.

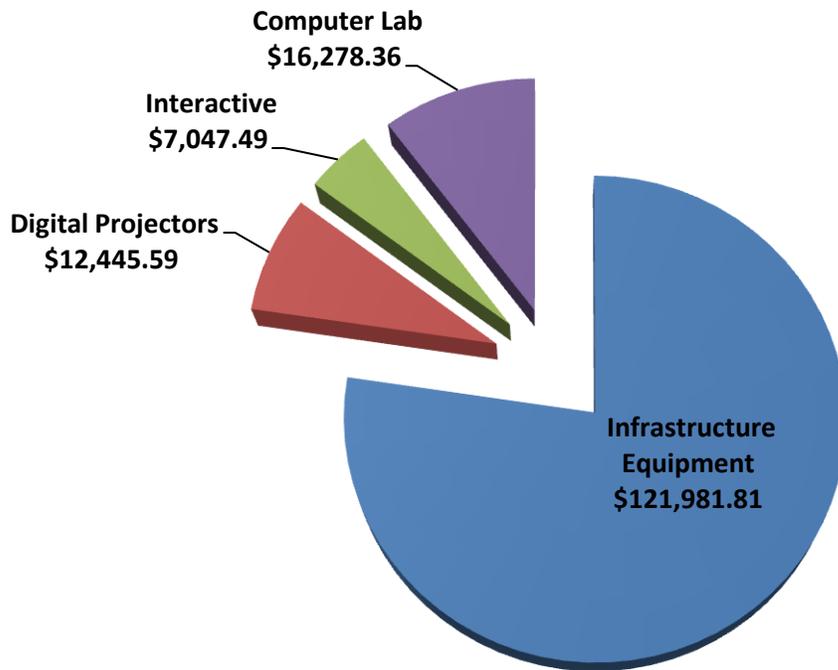
## Total Expenditures by School Site



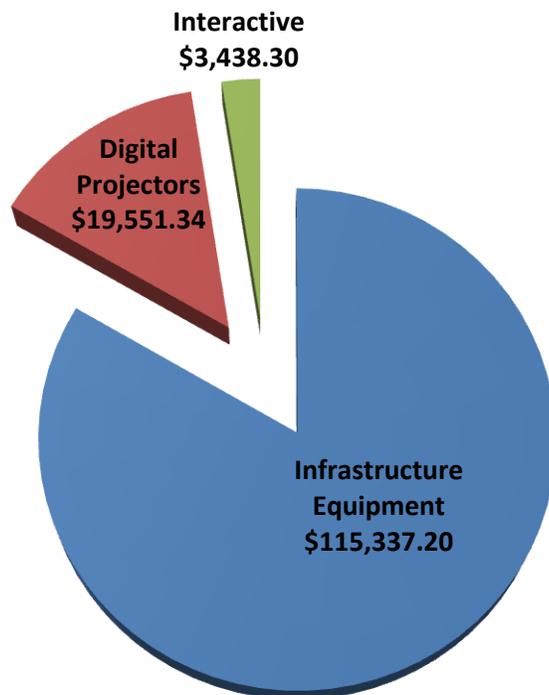
## Total Expenditures by Goal



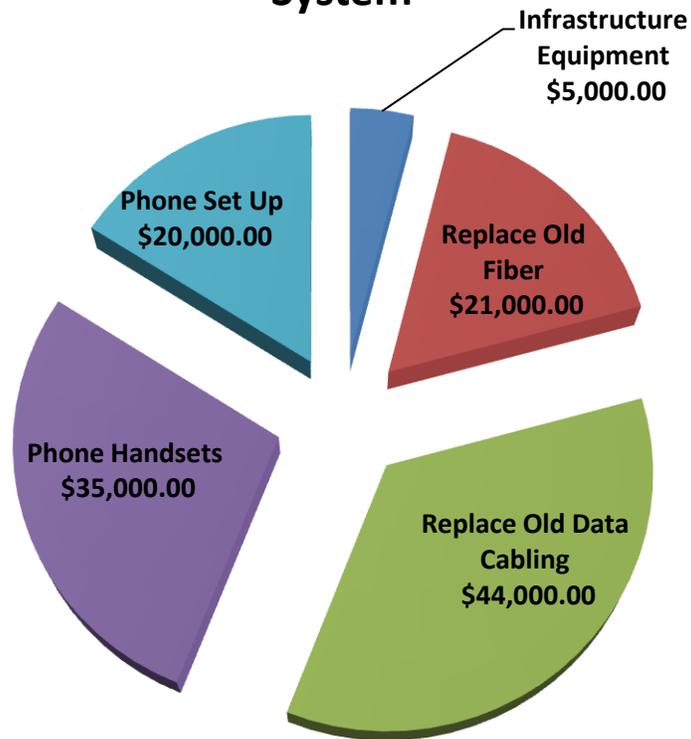
## AHS Expenditures by Goal



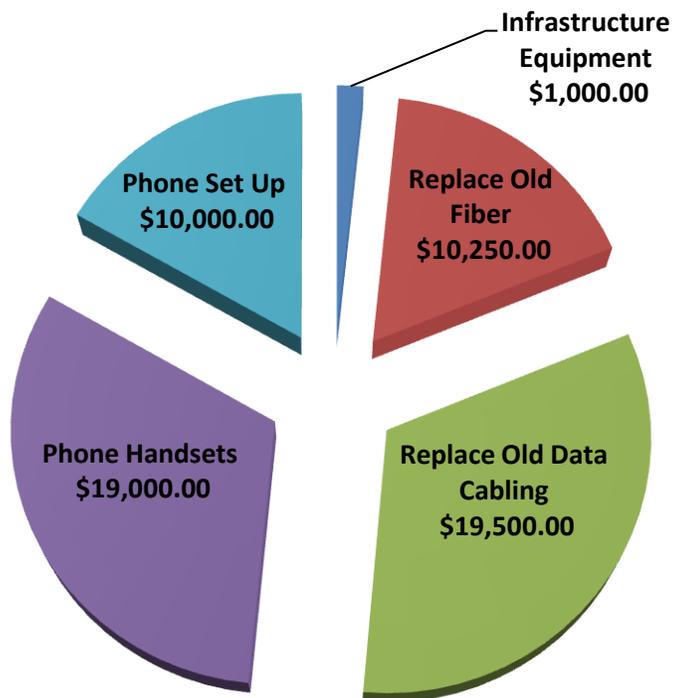
## MHS Expenditures by Goal



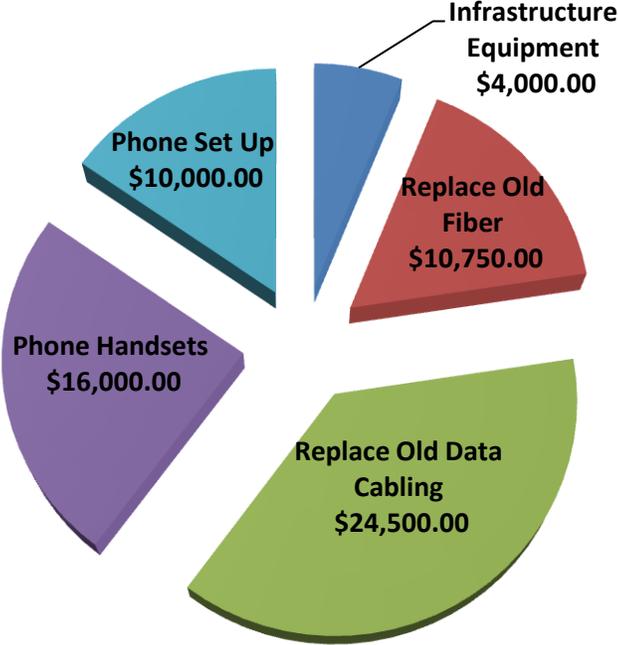
## Anticipated Expenditures for Digital Phone System



## AHS Anticipated Expenditures

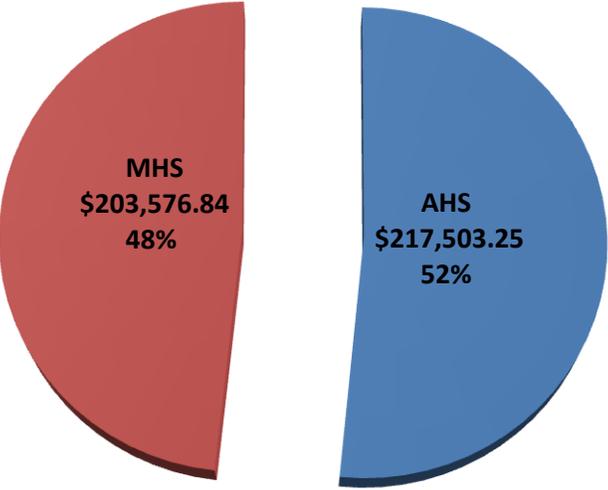


### MHS Anticipated Expenditures

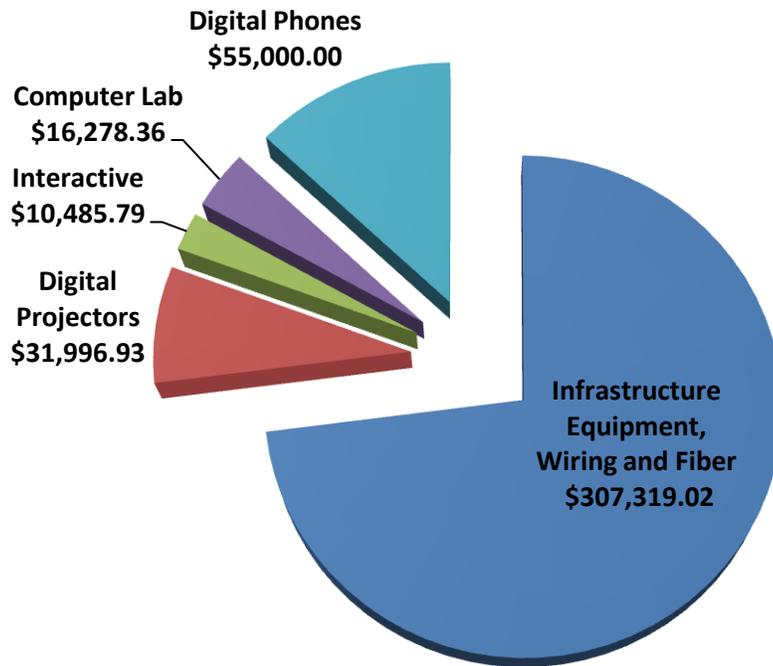


Infrastructure Equipment includes new support for MHS Building Trades and the MHS South Gym

### Total Expenditures by School Site (Revised)



## Total Expenditure by Goal (Revised)



Prepared by Todd R. Curry, CCTO

Technology/Curriculum Coordinator

Northern Humboldt Union High School District

707-839-6482

tcurry@nohum.k12.ca.us