Sandy Creek Central School District

"Comet Pride is Community-Wide!"

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Smart Schools Investment Plan (SSIP)

The Smart Schools Bond Act (SSBA) passed in 2014-15 allocated approximately $1.3 million to the Sandy Creek CSD. This funding can be used for specific purposes including school bandwidth or connectivity, classroom equipment, technology infrastructure and campus security. School districts that apply for the funding must submit applications for review and approval by their local Board of Education. The applications must also be take into consideration community review and comments. The funding must provide support to the Districts currently approved Technology Plan.

The Sandy Creek Central School District infrastructure (servers, core switch, fiber and copper connections, closet switches) currently meet the minimum bandwidth requirements of the SSBA as set forth by the Federal Communications Commission. The minimum requirement is 100mbps (megabits per second) per 1000 students. The Sandy Creek Central School District contracts with the CNYRIC for 100 mbps for approx. 850 students and can purchase additional bandwidth as necessary. The infrastructure within the district runs on a 10gbps (gigabits per second) fiber network between switch closets and 1gbps to the classrooms. The switches in these closets will reach end-of-life warranty in 2016-2017. The current Technology Plan calls for the replacement of these switches in the summer of 2017. We will also plan on some redundancy and boost the capacity of these closets to accommodate the equipment purchased on this SSIP.

In light of the fact that the current Technology Plan has been replacing classroom technology (PC's, iPad's, tablets) on a three year cycle, and all classrooms are equipped with an interactive presentation device (Smartboard or Promethean LCD touchscreen), the SCCS District has chosen to focus the SSBA funding on some much needed security enhancements. Our Smart Schools Investment Plan will focus on the following:

1. Replace all analog security cameras with digital cameras. Increase the number of cameras inside and add additional PTZ cameras to the exterior of the building(s)

2. Install access point security features (ex: key fobs, id cards, PIN #,etc… TBD)

3. Campus wide and classroom communication system with command consoles at the school and district office locations.

We will be performing the switch upgrades this summer (2017) and have already had conferences and visits from Alcatel to review the current system. We will be upgrading the switches and adding a number of POE switches and power supplies to each closet to handle the increased load from these security systems while also boosting classroom bandwidth. We will also be adding an additional 10gbps fiber line to each closet for increased internal speed and redundancy.