

Smart Schools: Update

July 11, 2018



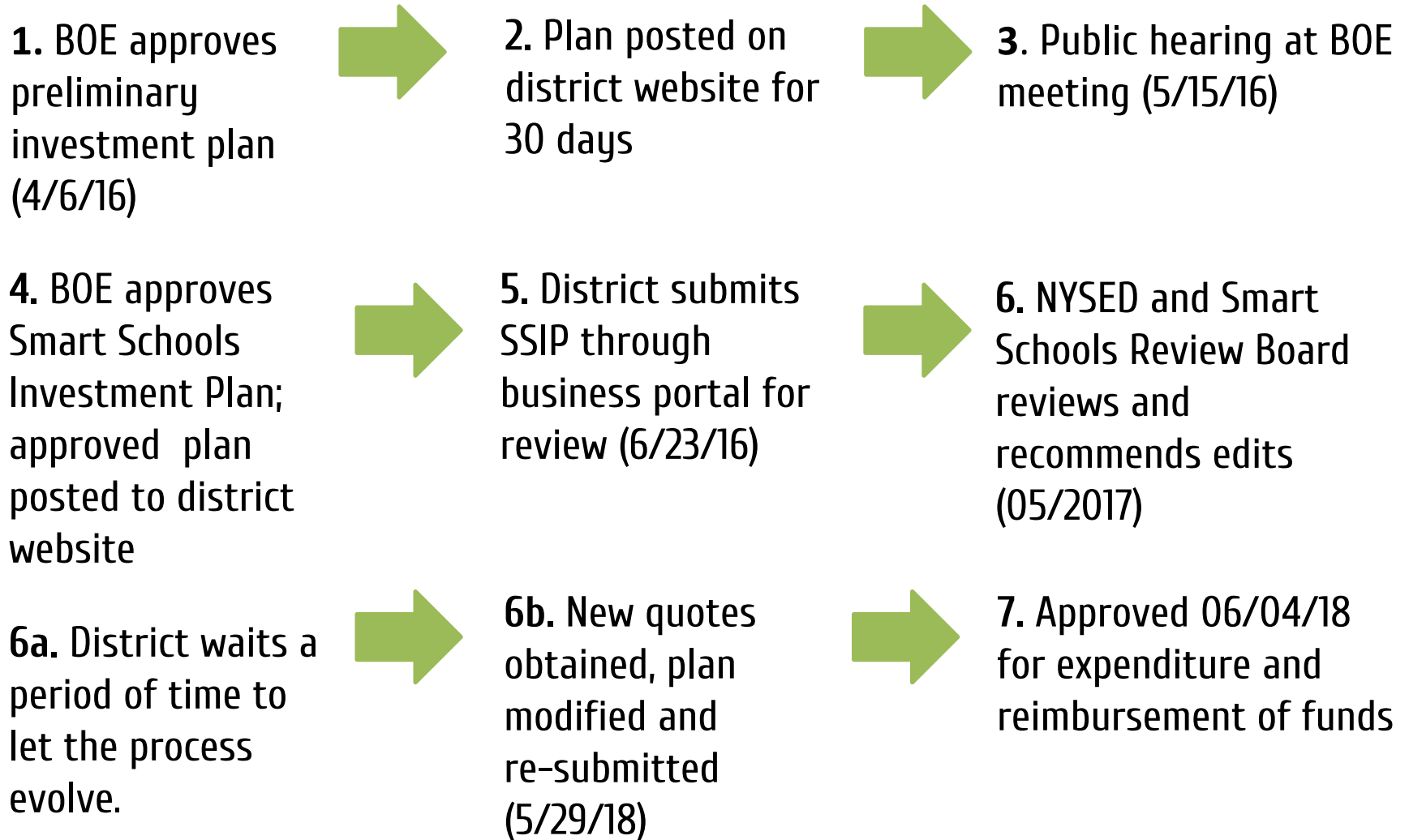
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Smart Schools

- The Smart Schools Bond Act (SSBA) was passed as part of the 2014-15 New York State Budget. The intent of the act is to finance upgrades to educational technology and infrastructure in order to improve learning opportunities for students.



Steps Accomplished to Date



Smart Schools

Smart Schools Bond Act allocation	\$1,387,107
Approved plan sub-allocations	
● School connectivity	\$749,790
● High-tech security features	\$88,847
Approved plan total:	\$838,637
Remaining SSBA Allocation	\$548,470

School Connectivity

- Installation of 10 GB fiber backbone between closets and between buildings
- Installation of 10 GB capable network switches to provide 1 GB connection to end devices and Power-over-Ethernet (PoE) ports
- Installation of wireless access points (WAPs) to increase density to one WAP in each classroom
- Installation of Cat-6 wiring for wireless access points and computer lab data drops



School Connectivity

Sub-Allocations	
Network/access Costs (switches, battery backups)	\$283,381
School internal connections and components (fiber modules & cables; demolition and installation of new data drops)	\$280,420
Professional Services (architect fees)	\$113,500
Testing (fiber; LC connections; patch panels in 14 closets)	\$40,404
Other Costs (construction contingency)	\$32,085
Total	\$749,790

High-Tech Security Features

- Installation of HD NVR servers to provide storage for recorded videos
- Installation of camera housings to test various resolution cameras at the driveway entrance to each school
- Not included in approved plan due to cost:
 - Installation of one 16-megapixel camera at entrance of each building
 - installation of additional interior cameras in all buildings to provide increased coverage
 - expense to be offset by the \$35,000 allowance for security camera aid pursuant to NYSEL 3602 6-c



High-Tech Security Features

Sub-Allocations	
Electronic security system (network video servers; licensing; exterior camera enclosures)	\$80,503
Other costs (professional services for engineering, programming, project management, and checkout)	\$8,344
Total	\$88,847

Action Steps

- Networking and video hardware can be ordered and installed
 - First POs have been cut
 - Equipment has started to arrive
 - Installation will be scheduled with the goal of completing major closets before the start of school (i.e., DO hallway closet expansion needed for new ISP classrooms)
- Construction documents and product specs are being prepared to submit to SED Facilities Planning. With approval, anticipated start date would be late-summer 2019.
- District will submit reimbursement claims which should occur within 90-days



Questions?

