



East Greenbush Central School District
ADMINISTRATION CENTER

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Lynne Pampel Ed.D.

Assistant Superintendent for Curriculum and Instruction

To: Angela Nagle, Lawrence Edson, Michele Bowman
From: Lynne Pampel *LP*
Date: 12/24/2015, Amended 1/4/2016
RE: Smart Schools Investment Plan Public Hearing

On Wednesday January 13, 2016 during the Board of Education Public Hearing for the Smart Schools Investment Plan I will be presenting a powerpoint that may be found on the East Greenbush Central School District website within the Curriculum and Instruction tab. The presentation is entitled *Smart Schools Investment Plan Public Hearing*. I will also provide a handout with some of the information required by the State Education Department in the final Smart Schools Investment Plan.



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Smart Schools Investment Plan Connectivity Questions

- 1. Briefly describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in the school buildings.**

All elementary and secondary school buildings will be equipped with technology and Wi-Fi access that will allow for simultaneous participation in all state assessment. All instructional areas in all buildings will have Wi-Fi access.

- 2. Briefly describe the linkage between the district's District Instructional Technology Plan and the proposed project.**

The Technology Plan was developed in response to the findings of a district wide survey hosted by the Northeast Regional Information Center. This survey ranked the major areas of need; increased access to technology by faculty and students was identified as essential for developing the knowledge and skills needed for College and Career Readiness, and increased professional development for faculty was listed as the most powerful factor influencing teaching and learning. These findings informed the goal development associated with the Instructional Technology Plan and are the foundation for the planned use of Smart Schools Bond Act funding. The purchase of student and faculty instructional devices will be through the Smart Schools Bond Act Funding.

- 3. To ensure that districts maximize the return on their investment in education technology and devices, Smart Schools Bond Act funds used for technology infrastructure investments must increase the number of school buildings that meet or exceed the Federal Communications Commission minimum speed standards of 100 Mbps per 1,000 students. Please describe how you will use the SSBA funds to meet this standard.**

The District will purchase 400 mbps broadband through a commercial provider.

4. **If the district wishes to have students and staff access the internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand. Please describe how you have quantified this demand and how you plan to meet this need.**

The East Greenbush Central School District has a current construction project that will be supplemented by Smart Schools Bond Act funding to expand Wi-Fi bandwidth and connectivity by increasing wiring, bandwidth speeds in all wiring closets and increasing the number and location of Wireless Access Points (WAPs) in all instructional areas, in all buildings. The District conducted a wireless pilot at the high school to gauge what the expected future district wide demand will be for wireless, this information informed the district wide wireless project.

5. **If you are submitting an allocation for School Connectivity complete this table:**

Network Access Costs	
Outside Plant Costs	
School Internal Connections and Components	<i>Estimated \$273,000 - \$300,000</i>
	<i>Wireless Access Point Costs SED Streamlined Review Approved</i>
Professional Services	
Testing	
Other Upfront Costs	
Other Costs	
Total	<i>Estimated \$273,000- \$300,000</i>

Smart Schools Investment Plan Classroom Learning Technology Questions

1. **Describe the devices you intend to purchase and their compatibility with the existing planned platforms or systems.**

The District is planning on purchasing wall mounted and mobile Interactive Whiteboards and LCD Interactive Display Panels and wireless tablets. Classrooms in all elementary buildings and some secondary classrooms already are equipt with these devices. The Instructional Faculty identified these instructional aids as the priority for teaching and learning in a September 2015 survey. The current construction project will provide all classrooms with wireless access allowing both the faculty and students mobile access to the Interactive Display boards.

2. **Describe how the proposed technology purchases will:**
 - **enhance differentiated instruction**
 - **expand student learning inside and outside the classroom**

- benefit students with disabilities and English Language Learners; and
- contribute to the reduction of other learning gaps that have been identified within the district.

The expectation is that districts will place a priority on addressing the needs of students who struggle to succeed in a rigorous curriculum. Responses in this section should specifically address this concern and align with the district Instructional Technology Plan.

The District is interested in expanding learning opportunities outside of the classroom using Anywhere, Anytime Access strategies, developing engaging and interactive instructional delivery techniques and increasing access to student specific performance data to address learning gaps.

In an effort to improve Anywhere, Anytime Access the District is expanding wireless capability in all instructional settings, in all buildings, and expanding the use of Google Applications. All Email and curriculum documents were moved off of the District network to Gmail and Google Documents on September 7, 2015. Teachers will have Anywhere, Anytime, Access to all curriculum and student performance data once the wireless project is complete. Teachers are beginning to participate in the development of curriculum electronically and remotely and to develop Google Classroom Spaces for increased parent and student communication. These developments allow for more individualized communication and targeted instruction.

The purchase of Interactive Whiteboards and LCD Display panels allows instructional faculty to create engaging lessons that emphasize joint activities over traditional lecture instructional delivery formats.

The District will continue to maintain a hardware and software budget that is dedicated to the purchasing of assistive and adaptive technology for students with disabilities. The District has 80% of all students with disabilities integrated into the mainstream environment for instruction and above a 95% participation rate in state assessments. The District will continue to participate in professional development that targets the support of students with disabilities using Universal Designs for Instruction supported by technology. Currently students with disabilities and English Language Learners have access to Ipads with adaptive applications for instruction.

4. **If you are submitting an allocation for Classroom Learning Technology complete this table:**

Interactive Whiteboards	<i>Estimated \$90,000 - \$100,000</i>
Computer Servers	
Desktop Computers	
Laptop Computers	
Tablet Computers	<i>Estimated \$10,000 - \$15,000</i>
Other Costs	
Totals	<i>Estimated \$100,000 - \$115,000</i>

Learning Devices SED Streamlines Review Approved