

## Smart Schools Investment Plan - Long Beach Submission 4-4-16

## SSIP Overview

Page Last Modified: 10/05/2016

1. Please enter the name of the person to contact regarding this submission.

Anthony Hendel

- 1a. Please enter their phone number for follow up questions.

(516) 897-2130 Cell (516) 987-6280

- 1b. Please enter their e-mail address for follow up contact.

thendel@lbeach.org

2. Please indicate below whether this is the first submission, a new or supplemental submission or an amended submission of a Smart Schools Investment Plan.

First submission

3. All New York State public school districts are required to complete and submit a District Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations. Districts that include investments in high-speed broadband or wireless connectivity and/or learning technology equipment or facilities as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

By checking this box, you certify that the school district has an approved District Instructional Technology Plan survey on file with the New York State Education Department.

☒ District Educational Technology Plan Submitted to SED and Approved

4. Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.

By checking the boxes below, you are certifying that you have engaged with those required stakeholders. Each box must be checked prior to submitting your Smart Schools Investment Plan.

☒ Parents  
☒ Teachers  
☒ Students  
☒ Community members

- 4a. If your district contains non-public schools, have you provided a timely opportunity for consultation with these stakeholders?

☒ Yes  
☐ No  
☐ N/A

5. Certify that the following required steps have taken place by checking the boxes below: Each box must be checked prior to submitting your Smart Schools Investment Plan.

☒ The district developed and the school board approved a preliminary Smart Schools Investment Plan.  
☒ The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.  
☒ The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occurred as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.  
☒ The district prepared a final plan for school board approval and such plan has been approved by the school board.  
☒ The final proposed plan that has been submitted has been posted on the district's website.

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- 5a. Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.

Smart Schools Investment Plan Overview Jan 2016 (final).pptx

6. Please enter an estimate of the total number of students and staff that will benefit from this Smart Schools Investment Plan based on the cumulative projects submitted to date.

4,325

7. An LEA/School District may partner with one or more other LEA/School Districts to form a consortium to pool Smart Schools Bond Act funds for a project that meets all other Smart School Bond Act requirements. Each school district participating in the consortium will need to file an approved Smart Schools Investment Plan for the project and submit a signed Memorandum of Understanding that sets forth the details of the consortium including the roles of each respective district.

☐ The district plans to participate in a consortium to partner with other school district(s) to implement a Smart Schools project.

8. Please enter the name and 6-digit SED Code for each LEA/School District participating in the Consortium.

Partner LEA/District	SED BEDS Code
(No Response)	(No Response)

9. Please upload a signed Memorandum of Understanding with all of the participating Consortium partners.

(No Response)

10. Your district's Smart Schools Bond Act Allocation is:

\$1,997,095

11. Enter the budget sub-allocations by category that you are submitting for approval at this time. If you are not budgeting SSBA funds for a category, please enter 0 (zero.) If the value entered is \$0, you will not be required to complete that survey question.

	Sub-Allocations
School Connectivity	0
Connectivity Projects for Communities	0
Classroom Technology	1,747,097
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
<b>Totals:</b>	<b>1,747,097</b>

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School Connectivity

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1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that:
- sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or
  - is a planned use of a portion of Smart Schools Bond Act funds, or
  - is under development through another funding source.

Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

1. Specifically codified in a service contract with a provider, and
2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

(No Response)

- 1a. If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.

☐ By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. Connectivity Speed Calculator (Required)

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

3. Describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in school buildings.

(No Response)

4. Describe the linkage between the district's District Instructional Technology Plan and the proposed projects. (There should be a link between your response to this question and your response to Question 1 in Part E. Curriculum and Instruction "What are the district's plans to use digital connectivity and technology to improve teaching and learning?")

(No Response)

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## School Connectivity

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5. 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 demand.

(No Response)

6. As indicated on Page 5 of the guidance, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects.  
Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

7. Certain high-tech security and connectivity infrastructure projects may be eligible for an expedited review process as determined by the Office of Facilities Planning.

Was your project deemed eligible for streamlined review?

(No Response)

8. Include the name and license number of the architect or engineer of record.

Name	License Number
(No Response)	(No Response)

9. If you are submitting an allocation for School Connectivity complete this table.  
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Network/Access Costs	(No Response)
Outside Plant Costs	(No Response)
School Internal Connections and Components	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0</b>

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School Connectivity

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10. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be eligible for tax-exempt financing to be reimbursed through the SSBA. Sufficient detail must be provided so that we can verify this is the case. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).  
**NOTE: Wireless Access Points should be included in this category, not under Classroom Educational Technology, except those that will be loaned/purchased for nonpublic schools.**  
**Add rows under each sub-category for additional items, as needed.**

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

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Community Connectivity (Broadband and Wireless)

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1. Describe how you intend to use Smart Schools Bond Act funds for high-speed broadband and/or wireless connectivity projects in the community.

(No Response)

2. Please describe how the proposed project(s) will promote student achievement and increase student and/or staff access to the Internet in a manner that enhances student learning and/or instruction outside of the school day and/or school building.

(No Response)

3. Community connectivity projects must comply with all the necessary local building codes and regulations (building and related permits are not required prior to plan submission).

☐ I certify that we will comply with all the necessary local building codes and regulations.

4. Please describe the physical location of the proposed investment.

(No Response)

5. Please provide the initial list of partners participating in the Community Connectivity Broadband Project, along with their Federal Tax Identification (Employer Identification) number.

Project Partners	Federal ID #
(No Response)	(No Response)

6. If you are submitting an allocation for Community Connectivity, complete this table.  
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Network/Access Costs	(No Response)
Outside Plant Costs	(No Response)
Tower Costs	(No Response)
Customer Premises Equipment	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0</b>

7. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).  
Add rows under each sub-category for additional items, as needed.

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Community Connectivity (Broadband and Wireless)

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

## Smart Schools Investment Plan - Long Beach Submission 4-4-16

Classroom Learning Technology

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1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or is a planned use of a portion of Smart Schools Bond Act funds, or is under development through another funding source.

Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

1. Specifically codified in a service contract with a provider, and
2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

The District has contracted through Nassau BOCES a Fiber Connection by Lightpath who is the current service Provider. The district also has redundant Internet through a Cablevision Optimum connection. **The current speed is 400Mbps.**

The district also upgraded the switch infrastructure for wireless this past summer. The district network is serviced by a fully switched network infrastructure that is centrally managed. The switched network provides enhanced performance and throughput by giving each user a dedicated 1000Mbps connection to the switch. Every port also has capacity to provide POE/POE+ for use with IP phones. Cameras and Wireless Access Points. The main building blocks are core and access layer switches. The user workstations connect to an access layer switch which in turn connects to a core switch which acts as an aggregation point. The core layer provides for connectivity to the High School, other district buildings and the Internet. The wireless equipment has the one of the latest versions in radio technology (802.ac). This modification has almost doubled the bandwidth availability as well as support a higher density of devices that will be deployed.

The network is designed to conform to a best of breed HP powered solutions and has the capacity to incorporate the latest technologies including but not limited to

Content Networking-

The current network provides a mechanism to improve the provision of material content to students and staff via the networked infrastructure 802.11ac Wireless- 802.11ac achieves its raw speed increase by pushing on 3 different dimensions-

-More Channel Bonding

-Denser modulation

-More multiple input and multiple output

The network design offers these advantages-

-Ensures a strategically positioned and future proof network infrastructure

-Puts in place a network infrastructure that is sufficiently reliable, flexible and cost effective to meet current demands Provides a network platform and capacity for future growth

-Provides a network which supports the endeavors of Long Beach Public Schools' innovative approaches to teaching and learning

-Meets the communications, administrative and support requirements service requirements of the District

-Increased speed to the desktop thus improving user productivity.

-Enhancement in network performance through the creation of a direct 10Gbps backbone to the core. This means that users from all buildings are able to gain faster access to centralized services such as server, data storage, video streaming, email, and Internet.

-Enhanced reliability and availability through managed network components

- 1a. If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.

☐ By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. Connectivity Speed Calculator (Required)



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	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	3,885	388,500	388.5	400	400	currently met

- 3. 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 demand.**

As stated previously, The district has upgraded the switch infrastructure for wireless this past summer. The district network is serviced by a fully switched network infrastructure that is centrally managed. The switched network provides enhanced performance and throughput by giving each user a dedicated 1000Mbps connection to the switch. Every port also has capacity to provide POE/POE+ for use with IP phones. Cameras and Wireless Access Points.

The main building blocks are core and access layers switches. The user workstations connect to an access layer switch which in turn connects to a core switch which acts as an aggregation point. The core layer provides for connectivity to the High School, other district buildings and the Internet.

The wireless equipment has the one of the latest versions in radio technology (802.ac). This modification has almost doubled the bandwidth availability as well as support a higher density of devices that will be deployed.

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-Enhanced reliability and availability through managed network components

- 4. All New York State public school districts are required to complete and submit an Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations.**

**Districts that include educational technology purchases as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.**

☒ By checking this box, you are certifying that the school district has an approved Instructional Technology Plan survey on file with the New York State Education Department.

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5. **Describe the devices you intend to purchase and their compatibility with existing or planned platforms or systems. Specifically address the adequacy of each facility's electrical, HVAC and other infrastructure necessary to install and support the operation of the planned technology.**

The District will be purchasing Servers, Storage Area Networks (SANS) that will be replacing legacy equipment.

The District Network Operation Center (NOC) in the High School is Air Conditioned and has ample electrical circuits that were installed to provide power to the existing Infrastructure. This currently includes power to service the 4 Virtualized Servers, the 2 SANS and the Core Switches, and the Video Surveillance Servers.

The NOC also has several UPS (Uninterruptible Power Supplies) as well an emergency generator.

In the other buildings in the district there is also ample power as almost every classroom currently has a SmartBoard and a teacher station with 3 student computers. These will be replaced with the new equipment.

New construction, new electrification, and renovations have been completed as a result of a multi-million Capital Bond Act in the last 5 Years District-Wide.

All the wiring closets have been updated with New HP Power Over Ethernet (POE) Switches as well as the installation new cabling in all of the buildings. New HP Wireless Access Points have been installed District-Wide to accommodate mobile devices required such as the one-to-one initiative of the Chromebooks utilizing the new POE Switches.

As stated previously, the network design offers these advantages-

- Ensures a strategically positioned and future proof network infrastructure
- Puts in place a network infrastructure that is sufficiently reliable, flexible and cost effective to meet current demands Provides a network platform and capacity for future growth
- Provides a network which supports the endeavors of Long Beach Public Schools' innovative approaches to teaching and learning
- Meets the communications, administrative and support requirements service requirements of the District
- Increased speed to the desktop thus improving user productivity.
- Enhancement in network performance through the creation of a direct 10Gbps backbone to the core. This means that users from all buildings are able to gain faster access to centralized services such as server, data storage, video streaming, email, and Internet.
- Enhanced reliability and availability through managed network components

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**6. 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's Instructional Technology Plan (in particular Question 2 of E. Curriculum and Instruction: "Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials and assessments?" and Question 3 of the same section: "Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?"**

As previously stated, we live in a technological society. Technology is an integral tool of modern educational practice and curriculum. It must be available to the teacher and student. Technology must provide multiple opportunities for all students and teachers to explore resources beyond school walls, and to grow through interconnectivity with experts and other students throughout the world in support of the curriculum. It must assist students as they construct their own knowledge and internalize the idea that the journey to competent adulthood occurs through learning.

All Students will have the capacity to create on-line digital portfolios of their work in Grades (K-12) using Google Apps. The learning environment will provide students with social learning opportunities to make use of BYOD technologies, and access to social learning opportunities including private clouds, blogs, cloud computing and digital portfolios.

The Long Beach Google Cloud was implemented in Fall 2012. Teachers now have the ability to enroll in the Long Beach Cloud and provide their students access to Google Apps for Educational applications.

The district has provided technology to facilitate the learning of the special needs student. Currently, all schools have wireless and iPads have been provided to both special education and ENL students with appropriate curriculum. Also, appropriate assistive software such as Dragon Speech recognition and Kurzweil text to speech software have been installed. This will continue with the Smart Schools Bond Act in addressing the needs of the all special needs students in the district.

The Long Beach Cloud affords students with the opportunity to conduct on-line research, pose questions, exchange information, and work collaboratively with other students using a variety of resources such as student email in Google Apps or the MicroSoft Suite 365. This Technology Plan creates an environment which teachers and staff utilize digital tools to improve both teaching and learning. The district's core values include both equity and access. In addition to the devices provided to the general education population, special education students are and will continue to be provided additional instructional technology. This includes iPads, Chromebooks, and additional assistive devices. The district is implementing a one-to-one initiative in the Middle School and High School for the (2016-2017) School Year for all students. Teachers are currently using digital tools such as tablets, laptops, and Smart Boards to facilitate student learning allowing for communication, creativity and collaboration. The access to technology will be greatly increase and enhanced through the funds provided by the Smart Schools Bond Act. The use of 1:1 Chromebooks for secondary students will enhance the ability of teachers to appropriately differentiate for all students including students with disabilities and ENL students. Students will have greater access to online applications and textbook supplements that allow for a wider variety of activities and translation of materials where necessary. The district utilizes software and Internet subscription services for students with disabilities and ENL students. The one to one initiative will provide students with more opportunities to utilize the services and help to reduce associated academic achievement gaps. Also, students currently have access to Google Apps for education and are using them which supports all of the above objectives.

The use of Google apps for Education in grades (7-12) will have a positive effect on expanding learning outside of the traditional classroom. Engaging students in learning outside of the classroom will foster critical thinking and independent learning. Google Classroom allows teachers to provide real-time feedback to students.

Extensive professional development is being planned for the staff on the use of these technologies to meet the diverse needs of all students to enhance their overall performance and reduce the achievement gap.

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7. **Where appropriate, describe how the proposed technology purchases will enhance ongoing communication with parents and other stakeholders and help the district facilitate technology-based regional partnerships, including distance learning and other efforts.**

Developing a comprehensive technology plan based on the educational goals of the school system ensures that the most appropriate technologies are effectively infused into our instructional and/or administrative programs. Thorough planning also ensures that all parties have equitable access and achieve the greatest benefit from routine use of educational technology. This comprehensive technology plan demonstrates clear targets for technology use. The plan includes desired goals for learners, creates visions for future directions, builds "buy-in" from stakeholders, and demonstrates to those who might provide funding that the district is committed to the plan and ready to act.

The Long Beach City Public School District is applying for the SMART SCHOOLS BOND ACT Funding. This is a three year technology plan which outlines how the district intends to utilize and integrate educational technology to enhance student learning.

The learning environment of the Long Beach Public Schools will support community partnerships, strengthen parent awareness, and communication and provide students with opportunities to participate in engaged and social learning experiences.

The learning environment will provide stakeholders with social learning opportunities including private clouds, blogs, cloud computing and digital portfolios using Google Apps. and Office 365.

8. **Describe the district's plan to provide professional development to ensure that administrators, teachers and staff can employ the technology purchased to enhance instruction successfully.**

**Note: This response should be aligned and expanded upon in accordance with your district's response to Question 1 of F. Professional Development of your Instructional Technology Plan: "Please provide a summary of professional development offered to teachers and staff, for the time period covered by this plan, to support technology to enhance teaching and learning. Please include topics, audience and method of delivery within your summary."**

Each year, teachers are asked to complete a professional development survey as part of the three-year professional development plan. Some questions specifically address professional development needs in the area of technology. The survey also includes open-ended questions where teachers can share their concerns and interests on any topic. The district regularly revises and improves upon the current procedures for the development and delivery of professional development. Through the Professional Development Committee, a collaborative group of teachers and administrators, the professional development needs are reviewed while plans are created to support appropriate learning activities.

Teachers are provided with professional development opportunities throughout the school year. On Superintendent Conference Days, technology related courses are part of the menu of options each teacher can attend. During the 2014-15 academic year, teachers were provided with a myriad of professional development workshops through the My Learning Plan Professional Development Management System.

Teachers register to request approval to participate in professional development workshops via the district's professional development management system "My Learning Plan". Following completion of each professional development workshop and on Superintendent's Conference Day, teachers are asked to complete a survey for each workshop attended. Survey results are used to provide feedback and valuable information which is used by the district to revise professional development strategies as needed. This past Conference Day teachers were given an overview of Google Apps. An annual survey administered as part of the Professional Development Plan also provides opportunities for teachers to provide feedback.

The Long Beach School District will incorporate effective professional development strategies in support of all district technology initiatives and in accordance with the Smart Schools Investment Plan.

The professional development goals and strategies were identified during the (2014-2015) school year by the District Technology Committee.

During the (2015-2016) school year, this strategy is being reviewed and translated into specific activities in support of professional development and the Smart School Investment Plan associated with the mobile technology initiatives as well as the implementation of new student management system (School tool).

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9. Districts must contact the SUNY/CUNY teacher preparation program that supplies the largest number of the district's new teachers to request advice on innovative uses and best practices at the intersection of pedagogy and educational technology.

☒ By checking this box, you certify that you have contacted the SUNY/CUNY teacher preparation program that supplies the largest number of your new teachers to request advice on these issues.

- 9a. Please enter the name of the SUNY or CUNY Institution that you contacted.

SUNY Stonybrook

- 9b. Enter the primary Institution phone number.

631-632-1472

- 9c. Enter the name of the contact person with whom you consulted and/or will be collaborating with on innovative uses of technology and best practices.

Todd Pitinsky, Ph.D.

10. A district whose Smart Schools Investment Plan proposes the purchase of technology devices and other hardware must account for nonpublic schools in the district.

Are there nonpublic schools within your school district?

- ☒ Yes  
☐ No

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- 10a. Describe your plan to loan purchased hardware to nonpublic schools within your district. The plan should use your district's nonpublic per-student loan amount calculated below, within the framework of the guidance. Please enter the date by which nonpublic schools must request classroom technology items. Also, specify in your response the devices that the nonpublic schools have requested, as well as in the in the Budget and the Expenditure Table at the end of the page.**

The classroom technology that is loaned to the non-public schools through the Smart Schools Investment Plan will be the 14' HP Chromebooks for the secondary 1:1 initiative. At the elementary level the tablets utilizing the Google Apps for Education Platform will be available for loans. The non-public schools in the district have requested participation in the plan and the technology that the district will be implementing.

Implementation of the Nonpublic School Loan Language of the Smart Schools Bond Act Upon request, school districts must loan, at no charge, technology obtained as part of the Smart Schools Bond Act to children attending nonpublic schools located within their district boundaries. No school district may be required by the Smart Schools Bond Act to loan technology in amounts greater than that obtained under the Smart Schools Bond Act. (Pre-existing requirements to loan instructional materials, including hardware, remain in effect.) No school district may loan Smart Schools Bond Act classroom technology in an aggregate amount greater than two hundred and fifty dollars (\$250) multiplied by the nonpublic school enrollment in the base year at the time of enactment (e.g., 2014-15 enrollment).

As described in the Smart Schools Bond Act, school district authorities shall develop regulations specifying the date by which requests for the purchase and loan of Smart Schools Bond Act classroom technology must be received by the district. For the 2015-16 school year and thereafter, such date shall not be earlier than the first day of June of the school year prior to that for which such Smart Schools Bond Act classroom technology is being requested. A parent or guardian of a child not attending a particular nonpublic school prior to January first or June first of the school year, as applicable, may submit a written request for Smart Schools classroom technology within thirty days after such child is enrolled in such nonpublic school. A request made later than the times otherwise provided shall not be denied where a reasonable explanation is given for the delay in making the request.

Long Beach will purchase hardware in an amount equivalent to \$250 per student to the non-public schools in each year of the Smart Schools Bond Act Investment Plan. The district will inventory and loan the technology to the schools and collect them for inventory purposes once per year. In adherence to the Smart Schools Bond Act, the non-public schools in the Long Beach School District should submit all requests for the loan of the technology purchased through the Smart Schools Bond to the Assistant Superintendent for Curriculum and Instruction by June 15 of the prior school year. The principal of the non-public school must include the following within the request:

1. Grade level and number of students per grade level
2. Plan for utilizing the classroom technology
3. Signed agreement for return of equipment

- 10b. A final Smart Schools Investment Plan cannot be approved until school authorities have adopted regulations specifying the date by which requests from nonpublic schools for the purchase and loan of Smart Schools Bond Act classroom technology must be received by the district.**

☒ By checking this box, you certify that you have such a plan and associated regulations in place that have been made public.

**11. Nonpublic Classroom Technology Loan Calculator**

The Smart Schools Bond Act provides that any Classroom Learning Technology purchases made using Smart Schools funds shall be lent, upon request, to nonpublic schools in the district. However, no school district shall be required to loan technology in amounts greater than the total obtained and spent on technology pursuant to the Smart Schools Bond Act and the value of such loan may not exceed the total of \$250 multiplied by the nonpublic school enrollment in the base year at the time of enactment.

See:

[http://www.p12.nysed.gov/mgtserv/smart\\_schools/docs/Smart\\_Schools\\_Bond\\_Act\\_Guidance\\_04.27.15\\_Final.pdf](http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf).

## Smart Schools Investment Plan - Long Beach Submission 4-4-16

## Classroom Learning Technology

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	1. Classroom Technology Sub-allocation	2. Public Enrollment (2014-15)	3. Nonpublic Enrollment (2014-15)	4. Sum of Public and Nonpublic Enrollment	5. Total Per Pupil Sub-allocation	6. Total Nonpublic Loan Amount
Calculated Nonpublic Loan Amount	1,747,097	3,885	1,511	5,396	250	377,750

12. To ensure the sustainability of technology purchases made with Smart Schools funds, districts must demonstrate a long-term plan to maintain and replace technology purchases supported by Smart Schools Bond Act funds. This sustainability plan shall demonstrate a district's capacity to support recurring costs of use that are ineligible for Smart Schools Bond Act funding such as device maintenance, technical support, Internet and wireless fees, maintenance of hotspots, staff professional development, building maintenance and the replacement of incidental items. Further, such a sustainability plan shall include a long-term plan for the replacement of purchased devices and equipment at the end of their useful life with other funding sources.

☒ By checking this box, you certify that the district has a sustainability plan as described above.

13. Districts must ensure that devices purchased with Smart Schools Bond funds will be distributed, prepared for use, maintained and supported appropriately. Districts must maintain detailed device inventories in accordance with generally accepted accounting principles.

☒ By checking this box, you certify that the district has a distribution and inventory management plan and system in place.

14. If you are submitting an allocation for Classroom Learning Technology complete this table.  
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Interactive Whiteboards	250,920
Computer Servers	107,557
Desktop Computers	167,000
Laptop Computers	1,155,150
Tablet Computers	(No Response)
Other Costs	66,470
<b>Totals:</b>	<b>1,747,097</b>

15. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).

Please specify in the "Item to be Purchased" field which specific expenditures and items are planned to meet the district's nonpublic loan requirement, if applicable.

NOTE: Wireless Access Points that will be loaned/purchased for nonpublic schools should ONLY be included in this category, not under School Connectivity, where public school districts would list them.

Add rows under each sub-category for additional items, as needed.

**Smart Schools Investment Plan - Long Beach Submission 4-4-16**

Classroom Learning Technology

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Interactive Whiteboards	1) Sharp Interactive Boards (Sharp Aquos 70" Board Model (#PN-C703B)	85	2,952	250,920
Computer Servers	2) 4 Virtualized Servers (Dell Model # Poweredge R630 (210-ACXS)	4	11,917	47,669
Computer Servers	2 SANS Dell Equallogic PS6210X 1.2TB 10K SAS Drives \$ 29,890.14 per Unit Total 2 SANS (\$59,780.28)	2	29,944	59,888
Laptop Computers	4) Chromebooks HP Chromebook 14	2600	299	777,400
Desktop Computers	Desktop Computers (HP Elite 800 G1 Small Form Factor) (C8N26AV)	334	500	167,000
Laptop Computers	Chromebooks for Non-Public Schools	1263	299	377,750
Other Costs	Sharp Board Roll Cart Floor Stands	85	621	52,785
Other Costs	Sharp Board Wall Mounts and Installation	85	161	13,685



## Smart Schools Investment Plan - Long Beach Submission 4-4-16

Pre-Kindergarten Classrooms

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1. Provide information regarding how and where the district is currently serving pre-kindergarten students and justify the need for additional space with enrollment projections over 3 years.

(No Response)

2. Describe the district's plan to construct, enhance or modernize education facilities to accommodate pre-kindergarten programs. Such plans must include:

- Specific descriptions of what the district intends to do to each space;
- An affirmation that pre-kindergarten classrooms will contain a minimum of 900 square feet per classroom;
- The number of classrooms involved;
- The approximate construction costs per classroom; and
- Confirmation that the space is district-owned or has a long-term lease that exceeds the probable useful life of the improvements.

(No Response)

3. Smart Schools Bond Act funds may only be used for capital construction costs. Describe the type and amount of additional funds that will be required to support ineligible ongoing costs (e.g. instruction, supplies) associated with any additional pre-kindergarten classrooms that the district plans to add.

(No Response)

4. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

5. If you have made an allocation for Pre-Kindergarten Classrooms, complete this table.  
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct Pre-K Classrooms	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0</b>

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).  
Add rows under each sub-category for additional items, as needed.

**Smart Schools Investment Plan - Long Beach Submission 4-4-16**

Pre-Kindergarten Classrooms

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

## Smart Schools Investment Plan - Long Beach Submission 4-4-16

Replace Transportable Classrooms

Page Last Modified: 10/04/2016

1. Describe the district's plan to construct, enhance or modernize education facilities to provide high-quality instructional space by replacing transportable classrooms.

(No Response)

2. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

3. For large projects that seek to blend Smart Schools Bond Act dollars with other funds, please note that Smart Schools Bond Act funds can be allocated on a pro rata basis depending on the number of new classrooms built that directly replace transportable classroom units.

If a district seeks to blend Smart Schools Bond Act dollars with other funds describe below what other funds are being used and what portion of the money will be Smart Schools Bond Act funds.

(No Response)

4. If you have made an allocation for Replace Transportable Classrooms, complete this table.  
Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct New Instructional Space	(No Response)
Enhance/Modernize Existing Instructional Space	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0</b>

5. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).  
Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

## Smart Schools Investment Plan - Long Beach Submission 4-4-16

## High-Tech Security Features

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1. Describe how you intend to use Smart Schools Bond Act funds to install high-tech security features in school buildings and on school campuses.

(No Response)

2. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.

Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
(No Response)

3. Was your project deemed eligible for streamlined Review?

- ☒ Yes  
☐ No

- 3a. Districts with streamlined projects must certify that they have reviewed all installations with their licensed architect or engineer of record, and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

☐ By checking this box, you certify that the district has reviewed all installations with a licensed architect or engineer of record.

4. Include the name and license number of the architect or engineer of record.

Name	License Number
(No Response)	(No Response)

5. If you have made an allocation for High-Tech Security Features, complete this table.

Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	(No Response)
Electronic Security System	(No Response)
Entry Control System	(No Response)
Approved Door Hardening Project	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>0</b>

6. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through [smartschools@nysed.gov](mailto:smartschools@nysed.gov).

Add rows under each sub-category for additional items, as needed.

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High-Tech Security Features

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

**Smart Schools Investment Plan - Long Beach Submission 4-4-16**

Report

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