

Smart Schools Investment Plan - Tech Plan II

SSIP Overview

Page Last Modified: 01/27/2017

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

Bonnie Mangicaro

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

3156227120

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

bmangicaro@liverpool.k12.ny.us

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.

Supplemental 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.

Smart Schools Investment Plan - Tech Plan II

SSIP Overview

Page Last Modified: 01/27/2017

- 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.

SSBA2016-17.pdf

- 5b. Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.

<https://docs.google.com/document/d/1Z1NvJRmbeUPNBTqeB7aDz-NHKBbGPmVOWjZTt1twxmE/edit>

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.

8,800

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:

\$5,345,676

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	1,355,995
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	0
Totals:	1,355,995

Smart Schools Investment Plan - Tech Plan II

School Connectivity

Page Last Modified: 04/25/2016

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)

Smart Schools Investment Plan - Tech Plan II

School Connectivity

Page Last Modified: 04/25/2016

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)
Totals:	0

Smart Schools Investment Plan - Tech Plan II

School Connectivity

Page Last Modified: 04/25/2016

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.
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)

Smart Schools Investment Plan - Tech Plan II

Community Connectivity (Broadband and Wireless)

Page Last Modified: 04/25/2016

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)
Totals:	0

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.

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

Smart Schools Investment Plan - Tech Plan II

Community Connectivity (Broadband and Wireless)

Page Last Modified: 04/25/2016

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 - Tech Plan II

Classroom Learning Technology

Page Last Modified: 01/27/2017

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 wireless network has been upgraded to the latest (802.11ac) standard of 1 Gbps wireless. Density of access points has been increased by 115%.

The District will purchase additional bandwidth through local budget.

- 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	7,200	720,000	720	720	(No Response)	(No Response)

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.

The district wireless network has been upgraded to the latest (802.11ac) standard of 1 Gbps wireless. Density of access points has been increased by 115%.

Smart Schools Investment Plan - Tech Plan II

Classroom Learning Technology

Page Last Modified: 01/27/2017

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.

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.

Desktop computers are 21.5" iMacs with minimum specification of i5 processor with 1Tb storage. These desktops will be located in the Middle School Tech Ed classrooms and will be replacing end of life units - 30 each in the classrooms.

Laptops - High School will be replacing existing end of life Macbooks with MacAirs with a minimum specification of 1.66Ghz processor with 256Gb storage.

Laptops - Elementary Labs are replacing some of the end of life laptops with MacAirs with a minimum specification of 1.66Ghz processor with 256Gb storage and adding Asus Chromebook with minimum specification of 11.6" screen and 4Gbs memory.

iPads - Special Education students throughout the District meeting the minimum specification of 9.4", 64Gb.

As each device is a replacement of existing devices there will be no impact on any infrastructure in the district. Chromebooks will be replacing laptops that have reached their end of life.

Smart Schools Investment Plan - Tech Plan II

Classroom Learning Technology

Page Last Modified: 01/27/2017

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?")

Teachers are expected to differentiate their instruction for their students. Students employ technology daily and use a variety of tools to demonstrate a deep understanding on content. There are many explanations for the varying degree of technology that takes place in schools including availability, access, reliability, teacher competence and confidence, technology funding and support. The use of Smart School Bond Act will:

Enhance Differentiated Instruction

Google Apps for Education (GAFE) by its very nature helps with differentiating instruction. Teachers have developed lessons that use the collaborative and assistive features of GAFE, especially Google Classroom, to ensure all students are learning appropriately to their level. Purchases for the phase of the SMART Bond Act will expand this through bringing appropriate technology to students, this includes the use of Chromebooks as well as Macbook Airs for the higher grade levels that are able to utilize Google Chrome browser as well as the full suite of Creativity Apps the district has invested in already.

Expand student learning inside and outside the classroom

GAFE similarly makes learning inside and outside the classroom more accessible to both students and their parents. Teachers use web based applications like Google Classroom and Google Expeditions to bring learning home. The increased use of Google Classroom, Khan Academy, and collaborative projects within GAFE further bring learning to the students where they are, in and out of the classroom.

Benefit Students with Disabilities and English language learners

The recommendation for Assistive Technology is recommended at a CSE meeting. The Special Education staff support students with disabilities and make use of the variety of assistive technology tools that are developed for use with Google Chrome and Google Apps for Education. The use of iPads and numerous Apps dedicated to students with disabilities and English language learners will allow this to be available to a more students individually rather than a shared use device. Technologies for both Chromebooks and iPads include speech to text and text to speech applications, language leveling, the ability to enlarge print, simplify web pages, word prediction support, and access to a variety of word processing programs. These tools provide all of our students with the ability to fully participate in classroom learning activities. As needed, students are provided with audio versions of books on Chromebooks or iPads.

Contribute to the reduction of other learning gaps that have been identified within the district.

The district has a student data coordinator that provides summary of formative and summative data for all students. Building leaders and teachers meet on a regular basis to discuss student data, student progress and to identify services needed. Teachers collaborate to discuss individual student services to insure providers are working together and avoiding duplication of services in order to enable students to meet academic achievement standards.

This RTI program is enhanced by technology and is crucial in meeting individual student needs.

Smart Schools Investment Plan - Tech Plan II

Classroom Learning Technology

Page Last Modified: 01/27/2017

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.**

Liverpool will continue to use and expand Google Apps for Education(GAFE). The expanded use of Chromebooks will allow for students and parents to have access to cloud based documents and teacher made tutorials thereby enhancing parent communication. In addition, Google classroom and google expeditions will enhance on line and flipped classrooms.

The middle school desktops will be used for virtual field trips with professionals in the STEM field.

The District will have this year the vBrick Solution which allows live webcasting, video conference and flip classroom learning. The devices that will be purchased through SSBA will take advantage of the dynamic nature of vBrick cloud rev. to enhance school to home learning and communication.

Smart Schools Investment Plan - Tech Plan II

Classroom Learning Technology

Page Last Modified: 01/27/2017

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."

The District Technology Advisory Team consists of the following subcommittees: Planning and Policy, Research and Design, Technology Standards, and Professional Development, as well as a Technology Plan subcommittee which is responsible for this document. The committee consisted of Curriculum Directors, Asst. Supt. for Support Services and Curriculum, Instruction and Assessment, Teachers, Non-Instructional Staff, Technology Staff, Library Media Specialists, Community and Parent members. As a subcommittee of the District Technology Advisory Team, members attended meetings, webinars and work sessions between January 15, 2015 and February 12, 2015 to review and discuss the various components of the plan.

During these meetings, rich discussions took place regarding the definition of instructional technology in our schools, engaging staff and students with technology, developing graduates who are college and career ready for varied post-high school and work settings and occupations, as well as topics including Bring Your Own Device (BYOD), flipped classrooms, blended classrooms and instruction, and how best to utilize existing and new technology resources in the next four years. The District established an implementation plan for the next phases of technology training and acquisition that includes objectives for each area keeping student success at the center of the plan. This technology strategic plan is intended to integrate with Liverpool's educational initiatives, as well as to support our District's vision, mission and beliefs. The plan was developed from the strong stance, supported by research, that technology can significantly enhance the teaching and learning environment. Furthermore, technology is seen as a critical component of our efforts to adequately prepare our students. This technology plan defines the vision and objectives for continuing to move our students and Liverpool's learning community forward in the 21st century. The committee members recognized the following points for moving forward to support the vision, mission and goals:

- Expanding the technology tools available in the district
- Working towards a hybrid 1 to 1 infrastructure
- Exploring project/problem-based learning
- Matching computer resources to instruction, curriculum, and assessment requirements
- Providing professional development in various formats and timeframes for instructional and non-instructional staff
- Providing both the tools and leadership to move toward a paperless learning and office environment
- Expanding Google Apps for Education use in the district.

Buildings create technology professional development plans to be implemented during the half day training sessions, as well as during after school sessions, and planning period sessions. The topics include website development, use of hardware, software, and apps, as well as integration of technology with assessment and instruction.

Liverpool staff, including teachers, librarians, TATS and technology personnel, participate as Turnkey Trainers for District technology initiatives, effectively and creatively using Chromebooks, iPads, and apps in the dissemination of information and instruction, use of projector and cell phones. These Turnkey Trainers provide in-district professional development trainings for K-12 teachers and administrators in structured formats that include faculty meeting presentations, conference day training sessions, peer coaching during scheduled and requested sessions, mentor program training, and summer sessions, as well as after school help desk and/or training sessions.

The Turnkey Trainers hold monthly meetings to learn and review new technologies relating to instructional software and hardware. The Trainers are expected to return to their buildings to share knowledge and skills, to train and provide the staff with informed and innovative technology practices that should model research-based strategies, and to assist with troubleshooting these practices. Scheduled training sessions are coordinated at each school with the building principal.

In addition, professional development activities are provided by the District and by the individual schools as part of professional development sessions to support the District Goals for achievement and technology experiences:

- K-12 Workshops on Superintendent's Conference Days
- K-12 Workshops on District Professional Development Days
- Building Level Workshops to support Building Goals established by the School Excellence Teams (SET)
- K-12 Mentor-Mentee Program
- K-12 New Teacher Induction Program
- Grade Level/ Departmental Workshops
- Summer Technology Workshops to support curriculum, instruction, and assessment

Smart Schools Investment Plan - Tech Plan II

Classroom Learning Technology

Page Last Modified: 01/27/2017

Needs assessments have been used to gather information and perceptions from the Liverpool staff to ascertain their levels of technology expertise, their instructional needs for technology training, and their awareness of the skills students will need to perform as 21st century learners and thinkers.

The 21st century skills as outlined in Appendix A are the centerpiece of the Partnership for 21st Century Skills (www.p21.org) and have been used in developing the technology plan as one step in the preparation of college and career ready students.

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 Oswego

- 9b. **Enter the primary Institution phone number.**

315-312-2102

- 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.**

Pamela Michel

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

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.

	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	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Smart Schools Investment Plan - Tech Plan II

Classroom Learning Technology

Page Last Modified: 01/27/2017

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	0
Computer Servers	0
Desktop Computers	126,800
Laptop Computers	1,102,632
Tablet Computers	89,600
Other Costs	36,963
Totals:	1,355,995

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.

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 - Tech Plan II

Classroom Learning Technology

Page Last Modified: 01/27/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Desktop Computers	iMac Desktops	90	1,408	126,800
Laptop Computers	Macbook Air (11')	938	849	796,362
Laptop Computers	Chromebooks	1230	249	306,270
Tablet Computers	iPads/cases	200	448	89,600
Other Costs	Chromebook Carts	37	999	36,963

Smart Schools Investment Plan - Tech Plan II

Pre-Kindergarten Classrooms

Page Last Modified: 01/27/2017

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)
Totals:	0

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

Smart Schools Investment Plan - Tech Plan II

Pre-Kindergarten Classrooms

Page Last Modified: 01/27/2017

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 - Tech Plan II

Replace Transportable Classrooms

Page Last Modified: 01/27/2017

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)
Totals:	0

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.

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 - Tech Plan II

High-Tech Security Features

Page Last Modified: 07/29/2016

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

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)
Totals:	0

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.

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 - Tech Plan II

Report

Smart Schools Investment Plan - Tech Plan II

PPU Report
