Smart Schools Investment Plan - Revised - 2019

SSIP Overview

Institution ID
800000038389

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

Chris Pietrantonio

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

518-469-1406

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

grants@schenectady.k12.ny.us

2. Please indicate below whether this is the first submission, a new or supplemental submission or an amended submission of an approved 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.

☑ Parents
☑ Teachers
☑ Students
☑ Community members

5. Did your district contain nonpublic schools in 2014-15?

☑ Yes
☐ Yes, but they have all since closed, moved out of district or are declining use of SSBA funds
☐ No

6. Certify that the following required steps have taken place by checking the boxes below:

☑ 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 occured 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.

6a. 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 - Final BOE Approved for Web.docx

6b. 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.

http://www.schenectady.k12.ny.us/UserFiles/Servers/Server_412252/Image/Smart%20Schools%20Investment%20Plan/Smart%20Schools%20Investment%20Plan%20.pdf

7. 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.

11,404

8. 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.

9. 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)

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

(No Response)

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

$9,364,497

12. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	9,497	378	9,875.00	3.83

13. This table compares each category budget total, as entered in that category's page, to the total expenditures listed in the category's expenditure table. Any discrepancies between the two must be resolved before submission.

	Sub-Allocations	Expenditure Totals	Difference
School Connectivity	1,942,843.00	1,942,843.00	0.00
Connectivity Projects for Communities	0.00	0.00	0.00
Classroom Technology	0.00	0.00	0.00
Pre-Kindergarten Classrooms	0.00	0.00	0.00
Replace Transportable Classrooms	0.00	0.00	0.00
High-Tech Security Features	0.00	0.00	0.00
Nonpublic Loan	0.00	0.00	0.00

	Sub-Allocations	Expenditure Totals	Difference
Totals:	**1,942,843**	**1,942,843**	**0**

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 currently purchases connectivity through two sources, with 1 gigabit per second (Gbps) from Light Tower and 200 megabits per second (Mbps) from Northeastern Regional Information Center (NERIC). As part of this Smart Schools Investment Plan proposal, these connection speeds will be fully delivered across the district and accessible wirelessly by upgrading wired and wireless network infrastructure.

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). If the district currently meets the required speed, enter "Currently Met" in the last box: Expected Date When Required Speed Will be Met.

	Number of Students	Required Speed in Mbps	Current Speed in Mbps	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	9,816	981.60	1200	2000	Currently met

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

Schenectady City School District will use Smart Schools Bond Act funds to implement and sustain a robust, secure network to ensure sufficient, reliable, high-speed connectivity to students and staff centered around the Cisco Meraki product suite by updating every school building's network and wireless infrastructure. The expected completion date for such an upgrade is June 2019. The plan includes three specific elements:

1. Wireless Access Equipment and Installation
2. Wired (Ethernet) Networking Equipment and Installation
3. Cable and Cable Installation Services

The purpose of the first category, **Wireless Network Equipment and Professional Services**, is to provide Schenectady City School District with options for standards-compliant wireless network equipment for use in schools and other facilities served by Schenectady City School District. Schenectady City School District has set targets for network coverage and performance that will provide high-density, reliable, wired and wireless access at a density of approximately one access point (AP) per 20 students or 1.2 APs per instructional space. The second category, **Wired Network Equipment and Professional Services**, is intended to provide Schenectady City School District with options for standards-compliant, wired, Ethernet-compatible equipment for use in schools, primarily to connect wireless access points, VoIP phones and client devices to a wide-area network (WAN) connection and the internet. This category includes ethernet switches for copper and fiber connections at speeds from 100 Mbps to 10 Gbps (and higher) for use within the campus. This equipment might also be used at aggregation points for WAN connections, as well as at administrative offices of Schenectady City School District. The third category, **Cable and Cable Installation Services**, is intended to provide Schenectady City School District with options to have network cable installed within a campus. Vendors will provide an array of cable and ancillary cabling products required for the secure and safe installation of cable.
Together, these three elements constitute an upgraded network infrastructure configured as follows:

· Three distinct buildings, connected together as a single virtual router, referred to as an IRF cloud.
· Each of these three hub locations connects to one middle school and four elementary schools, and one of these hub locations also connects to both high school campuses and the adult education center.
· Each hub location provides intra- and internet connectivity to specific schools within the PK-12 network.
· Connections from servers/storage arrays to the main data center switch are at 1 GbE and 10 GbE over copper and fiber.
· All internal connections between the BDF(s) and IDF(s) within a building are at either a 1 GbE or 10 GbE over OM3 or OM4 Multimode 50/125µm fiber optic cable with variable terminations.
· All switch ports servicing horizontal cabling must support 10/100/1000 Mbit/s full duplex, auto-sensing.
· Switches supporting security cameras, telephones and wireless access points must support PoE or PoE+.
· The data and PoE switch port capacity in each BDF and IDF includes sufficient ports for the number of active devices identified in the available inventory and summaries, with room to expand.
· The solution includes software to monitor, manage and troubleshoot the wired network that is either hosted on premises or in the cloud.
· The solution includes proposals to maintain or enhance network security appropriate to preK-12 industry standards.

4. Describe the linkage between the district's District Instructional Technology Plan and how the proposed projects will improve teaching and learning. (There should be a link between your response to this question and your responses to Question 1 in Section IV - NYSED Initiatives Alignment: "Explain how the district use of instructional technology will serve as a part of a comprehensive and sustained effort to support rigorous academic standards attainment and performance improvement for students."

Your answer should also align with your answers to the questions in Section II - Strategic Technology Planning and the associated Action Steps in Section III - Action Plan.)

The Schenectady City School District's Instructional Technology Plan seeks to ensure equitable access to technology for all students. This includes providing similar technology experiences for all students and professional development for staff to acquire and integrate digital-age skills into their pedagogical practices. To meet this overarching goal of equitable access, the district's Instructional Technology Plan has defined the following objectives: to develop a digital-age curriculum for the entire PK-12 spectrum; to implement a cycle of evaluation that informs continuous improvement of technological skills for students and educators; and to support rigorous academic standards attainment and performance improvement for students through instructional technology. The first step toward realizing the Instructional Technology Plan is to implement a robust, stable, secure, reliable and scalable network architecture that will serve the connectivity needs of staff and students into the future. Consequently, Schenectady seeks to spend the first of its Smart Schools allotment on a districtwide School Connectivity project.

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.

The Schenectady City School District provides a full range of educational programs and services for approximately 9,816 students in pre-K through grade 12. The district has two high schools (9-12), three middle schools (6-8), 11 elementary schools (pre-K-5) and one adult learning center. The wireless network accepts/denies connections to a variety of district and non-district devices with Microsoft, Apple and Android operating systems. These devices are equipped with various combinations of 802.11A/B/G/N/AC radios. Devices move about buildings freely and from time to time are concentrated in individual classrooms and other gathering spaces, such as libraries, cafeterias and auditoriums. To gauge demand, the district conducted an internal needs assessment and a thorough survey of system topography and held vendor walk-throughs before issuing a request for proposals to perform the work described in this Smart Schools Investment Plan.

The devices-per-student calculation is intended to be inclusive of teacher devices, embedded devices, Chromecasts, Apple TVs, VoIP, staff and guest devices, as well as some level of smartphone usage by students. Over time, the number of devices per student is expected to steadily increase, as more and more devices are Wi-Fi enabled. The ratio of APs per classroom is based on ensuring each classroom has **at least one** AP and that an additional small percentage more of APs are required to cover common areas, offices, media centers and other spaces where network coverage is needed. Issues and circumstances that affect this ratio include the layout of the building, ceiling height, construction materials and other variables. At many of Schenectady's school buildings, these structural factors create a harsh and sensitive environment that is made more difficult by the sheer numbers of devices and increasing bandwidth needs. That fact, coupled with the possible device density in a classroom, is the driving factor for recommending an AP be physically located in each classroom.

It is expected that Schenectady City School District will support only 2.4GHz as required to provide network access for such legacy devices as security cameras, projectors and other embedded devices that will be phased out over time. Note that 2.4GHz is also used by Bluetooth and Zigbee, and this spectrum is very crowded and not conducive to high-density usage as required by digital learning. 2.4GHz guest access should be strictly controlled.

The recommendation for CAT6A or CAT7, rather than CAT6 cable is driven by the fact that CAT6 cable can reliably transmit 10 Gbps ethernet at a distance of only 33 meters. As the IEEE 802.11 standard continues to evolve, with higher and higher data rates, it is likely in the next few years that manufacturers will develop multi-gigabit (2.5 Gbps and 5 Gbps) APs. If a classroom is already wired with CAT5e, there may not be an immediate need to upgrade to CAT6A or CAT7 at this time. Many classrooms with correctly installed CAT5e cable could continue to function effectively for several more years before requiring an upgrade to 10 Gbps-capable cable.

6. Smart Schools plans with any expenditures in the School Connectivity category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit.

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

Project Number
53-06-00-01-7-999-003

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

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

Name	License Number
Michael S. Fanning	18194

9. Public Expenditures – Loanable (Counts toward the nonpublic loan calculation)

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be Purchased	Quantity	Cost Per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	0.00
		0	**0.00**	**0**

10. Public Expenditures – Non-Loanable (Does not count toward nonpublic loan calculation)

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	Medium Distance Optics	192	760.00	145,920.00
Professional Services	Wired Labor Secondary	168	175.00	29,400.00
Professional Services	Wireless Secondary Hourly	24	175.00	4,200.00
Network/Access Costs	AP Licenses	356	123.00	43,788.00
Network/Access Costs	MDF Optics	136	266.00	36,176.00
Professional Services	Wireless Elementary Hourly	22	175.00	3,850.00
Network/Access Costs	IDFs Switches	276	372.00	102,672.00
Professional Services	Wireless Labor Elementary	88	100.00	8,800.00
Network/Access Costs	IDFs Firmware upgrades, etc.	276	1,772.00	489,072.00
Network/Access Costs	Controller firmware	17	407.00	6,919.00
Professional Services	Wireless Labor Secondary	96	100.00	9,600.00
Network/Access Costs	AP Licenses	815	123.00	100,245.00
Network/Access Costs	MDF Firmware upgrades, etc.	34	571.00	19,414.00
Network/Access Costs	Outdoor AP licenses	134	123.00	16,482.00
Professional Services	Wireles Labor Elementary	88	175.00	15,400.00
Professional Services	Cabling Hourly	8	107.00	856.00
Professional Services	Wireless Labor Secondary	96	175.00	16,800.00
Network/Access Costs	Outdoor AP	134	419.00	56,146.00
Network/Access Costs	AP for Instructional Spaces	356	568.00	202,208.00
Professional Services	Wired Secondary Hourly	48	175.00	8,400.00
Network/Access Costs	MDF Core Switches	46	5,232.00	240,672.00
Professional Services	Cabling Labor	32	108.00	3,456.00
Network/Access Costs	Wireless Controler	17	880.00	14,960.00
Network/Access Costs	Cable	1	115,605.00	115,605.00
Network/Access Costs	AP Firmware upgrades	134	149.00	19,966.00
Network/Access Costs	IDFs Optics	408	266.00	108,528.00
Professional Services	Wired Labor Elementary	176	175.00	30,800.00

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
Professional Services	Annual Instructional Space WAP Maintenance	17	40.00	680.00
Professional Services	Wired Elementary Hourly	44	175.00	7,700.00
Network/Access Costs	Access Point (AP for Classroom	215	389.00	83,635.00
Professional Services	Annual Classroom WAP Maintenance	17	29.00	493.00
		4,471	**129,909.00**	**1,942,843**

11. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	9,497	378	9,875.00	3.83

12. Total Public Budget - Loanable (Counts toward the nonpublic loan calculation)

	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Network/Access Costs	0.00	0.00	0.00
School Internal Connections and Components	(No Response)	0.00	0.00
Other	(No Response)	0.00	0.00
Totals:	**0.00**	**0**	**0**

13. Total Public Budget – Non-Loanable (Does not count toward the nonpublic loan calculation)

	Sub-Allocation
Network/Access Costs	1,802,408.00
Outside Plant Costs	0.00
School Internal Connections and Components	0.00
Professional Services	140,435.00
Testing	0.00
Other Upfront Costs	0.00
Other Costs	0.00
Totals:	**1,942,843.00**

14. School Connectivity Totals

	Total Sub-Allocations
Total Loanable Items	0.00
Total Non-loanable Items	1,942,843.00
Totals:	**1,942,843**

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. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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)	0.00
		0	**0.00**	**0**

7. 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:	**0.00**

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). If the district currently meets the required speed, enter "Currently Met" in the last box: Expected Date When Required Speed Will be Met.

	Number of Students	Required Speed in Mbps	Current Speed in Mbps	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	(No Response)	0.00	(No Response)	(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.

(No Response)

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.

(No Response)

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?")
In addition, describe how the district ensures equitable access to instruction, materials and assessments and participation in the general curriculum for both SWD and English Language Learners/Multilingual Learners (ELL/MLL) students.

(No Response)

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.

(No Response)

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."

(No Response)

9. Districts must contact one of the SUNY/CUNY teacher preparation programs listed on the document on the left side of the page 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.

(No Response)

9b. Enter the primary Institution phone number.

(No Response)

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.

(No Response)

10. 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.

11. 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.

12. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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)	0.00
		0	**0.00**	**0**

13. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	9,497	378	9,875.00	3.83

14. If you are submitting an allocation for Classroom Learning Technology complete this table.

	Public School Sub-Allocation	Estimated Nonpublic Loan Amount (Based on Percentage Above)	Estimated Total Public and Nonpublic Sub-Allocation
Interactive Whiteboards	(No Response)	0.00	0.00
Computer Servers	(No Response)	0.00	0.00
Desktop Computers	(No Response)	0.00	0.00
Laptop Computers	(No Response)	0.00	0.00
Tablet Computers	(No Response)	0.00	0.00
Other Costs	(No Response)	0.00	0.00
Totals:	**0.00**	**0**	**0**

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 new 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. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.**

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)	0.00
		0	**0.00**	**0**

6. **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:	**0.00**

Replace Transportable Classrooms

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. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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)	0.00
		0	**0.00**	**0**

5. 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:	**0.00**

High-Tech Security Features

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. Smart Schools plans with any expenditures in the High-Tech Security category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit.
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. Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category.

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)	0.00
		0	**0.00**	**0**

6. If you have made an allocation for High-Tech Security Features, complete this table.
Enter each Sub-category Public Allocation based on the the expenditures listed in Table #5.

	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:	**0.00**

1. Describe your plan to utilize SSBA funds to purchase devices and loan to the nonpublic schools within your district. Please specify what devices have been requested by the nonpublic schools. If the nonpublic schools have not finalized requests, the district should provide the date nonpublic schools will submit the request by.

The district has met the $250 nonpublic per pupil maximum in the emergency SSIP.

2. 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.

2a. Please enter the date each year nonpublic schools must request loanable items from the school district. This date cannot be earlier than June 1 of the previous school year.

(No Response)

3. Final 2014-15 BEDS Enrollment to calculate Nonpublic Sharing Requirement (no changes allowed.)

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	9,497	378	9,875.00	3.83

4. Nonpublic Loan Calculator

	Loanable School Connectivity	Loanable Classroom Technology	Additional Nonpublic Loan (Optional)	Estimated Per Pupil Amount - This Plan	Previously Approved Per Pupil Amount(s)	Cumulative Per Pupil Loan Amount	Final Per Pupil Loan Amount - This Plan	Final Total Loan Amount - This Plan
Required Nonpublic Loan	0.00	0.00		0.00	250.00	250.00	0.00	0.00
Final Adjusted Loan - (If additional loan funds)	0.00	0.00	(No Response)	0.00	250.00	250.00	0.00	0.00

5. Nonpublic Share

	Final Per Pupil Amount	Final Nonpublic Loan Amount
Pending and Previously Approved Plans	250.00	94,500.00
This Plan	0.00	0.00
Total	250.00	94,500.00

6. Distribution of Nonpublic Loan Amount by School

Nonpublic School Name	2018-19 K-12 Enrollment	Special Ed School? If Yes, not eligible
BRIGHT HOPE ACADEMY CENTER	6	No
BROWN SCHOOL	117	No
NORTHEAST PARENT & CHILD SOCIETY	118	Yes
NOTRE DAME-BISHOP GIBBONS SCHOOL	262	No

7. Please detail the type, quantity and per unit cost of the eligible items under each sub-category.

Select the allowable expenditure type. Repeat to add another item under each type.	Items to be purchased	Quantity	Cost Per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	0.00
		0	**0.00**	**0**