

## Smart Schools Investment Plan - Revised - Pittsford CSD\_ Amendment #1

## SSIP Overview

## Institution ID

800000050008

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

Matthew Kwiatkowski

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

585-267-1080

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

matthew\_kwiatkowski@pittsford.monroe.edu

## 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.

Amended 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

## 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: 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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- 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.

Pittsford Smart School Act\_Website.pdf

- 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.

https://www.pittsfordschools.org/Page/873

- 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.

7,500

- 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:

\$1,509,818

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	5,816	682	6,498.00	10.50

- 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	-45,369.68	-45,369.68	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	41,832.42	41,832.42	0.00
<b>Totals:</b>			

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	Sub-Allocations	Expenditure Totals	Difference
	-3,537	-3,537	0

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School Connectivity

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.

As a partner with our local BOCES, we currently exceed the Federal Communications Commission minimum speed standard of 100 Mbps per 1,000 students in each school setting

- 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	5,701	570.10	1000	1000	Current

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

The network access and internal connections was not completed through the Smart Schools money available as previously budgeted. We decided to purchase our network switches through our BOCES because of the aid generated for our district and the fact that they are the folks who support our network and it was good for them to be involved in this work. With the addition of the network switches we now have the opportunity to focus on the next part of our infrastructure enhancement in order to further future proof our environment. For this amendment, we are planning to upgrade our wireless access points throughout the district in order to better support our infrastructure. The cost differential has been factored into this amendment

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School Connectivity

- 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.)

Stakeholders in the Pittsford Central Schools believes that it is our obligation to provide our students with technology-rich learning environments where new and emerging technologies are integrated into curriculum and applied to instruction by well-trained teachers. We want to enable our teachers and students to be able to access information, provide diverse learning and teaching experiences and establish connections beyond our school communities. To do that, we are looking to continue to add wireless capabilities to allow for growing our online learning, blended learning, videoconferencing opportunities and providing areas for computer based testing. In addition, we are working to accommodate the learning needs of all students through the principles of universal design for learning. Technology allows us to differentiate to meet the needs of all students. By providing a stable wireless infrastructure, we can provide additional opportunities for differentiation. We hope that with increased access and robust infrastructure, we will be able to avoid potential roadblocks (network congestion, buffering issues, etc.) for teachers that make it difficult to embed the technology within their lessons. For additional information, please reference our Tech Quest 8 plan on our website at: <https://www.pittsfordschools.org/Page/873>

- 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.

Originally, when we started the process of providing wireless access points in each of our 11 buildings, we worked with a number of vendors to complete a proof of concept. The Meridian Technology Group and Aruba Technologies were able to design and stand up a proof of concept using the Aruba platform. In addition, they were able to provide us with a software solution that could be used to help find areas of need, such as coverage and density. When purchased with district funding, Meridian and Aruba were able to certify that the access points that were chosen would be able to support a client density of up to 60 devices hitting each access point at a time. While density was a concern, so was coverage. Utilizing Aruba Airwave software, we are able to fine tune areas through a number of checks and balances (heat maps and wireless health reports) to determine where there are gaps. Our current access points are reaching the end of life and with the addition of our recent network switches, it is advantageous for us to future proof our schools. Since the installation of our current access points in 2013, technology has changed. The growth and diversity of clients as well as the types of applications and traffic being generated require new wireless standards to keep pace. The district has worked with Frontrunner Networks and Hewlett Packard Enterprise to design a solution to meet current and future needs of the District. The solution will deploy access points that support the latest wireless standard 802.11ax s. 802.11ax increases throughput capacity by up to four times that of 802.11ac. Additional improvements include the ability to use both the 2.4 gigahertz (GHz) and 5GHz bands. The most important new feature in the 802.11ax standard is an enhanced multi-user feature. Multiple devices with varying bandwidth needs can be served simultaneously instead of the existing model where devices compete with one another to send data. In addition, the access points will support multi-gigabit ethernet technology to avoid bottlenecks without replacing existing twister-pair cabling. With the addition of these access points, it will future proof our network for years to come.

- 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
26-14-01-06-7-999-BA2

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- 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?

Yes

- 7a. Districts that choose the Streamlined Review Process will be required to 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.

I certify that I have reviewed all installations with a licensed architect or engineer of record.

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

Name	License Number
Gian-Paul Piane	25315

- 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
Network/Access Costs	HPe Aruba AP-515 Unified AP	500	609.50	304,750.00
Network/Access Costs	HPe Aruba Ceiling Mount 10-pack	30	120.00	3,600.00
Network/Access Costs	HPe Aruba Wall Mount 10-pack	20	148.00	2,960.00
Network/Access Costs	SMART-UPS RT 192V RM BTRY PCK BATT PTO	1	1,200.00	1,200.00
Network/Access Costs	EXTERNAL BATTERY PACK FOR BATT SMART UPS X RT 120V CUST PAYS FRT	1	768.00	768.00
Network/Access Costs	SMART UPS XSERIES 48V PERP EXTERNAL BATT PACK RACK/TOWER	1	510.00	510.00
Network/Access Costs	SMART UPS XSERIES 48V PERP EXTERNAL BATT PACK RACK/TOWER	1	510.00	510.00
Network/Access Costs	EXTERNAL BATTERY PACK FOR BATT SMART UPS X RT 120V CUST PAYS FRT	1	768.00	768.00
Network/Access Costs	SMART UPS XSERIES 48V PERP EXTERNAL BATT PACK RACK/TOWER	1	510.00	510.00
Network/Access Costs	SMART UPS XSERIES 48V PERP EXTERNAL BATT PACK RACK/TOWER	1	510.00	510.00
Network/Access Costs	48V TOWER BATT PK FOR	1	648.00	648.00

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Select the allowable expenditure type. Repeat to add another item under each type.	<b>PUBLIC</b> Items to be Purchased	Quantity	Cost Per Item	Total Cost
	SMART UPSBATT XL CUST PAYS FRT			
Network/Access Costs	EXTERNAL BATTERY PACK FOR BATT SMART UPS X RT 120V CUST PAYS FRT	1	768.00	768.00
Network/Access Costs	SMART UPS X 2000VA RT RACK / PERP TOWER LCD 100-127V	1	1,310.00	1,310.00
Network/Access Costs	EXTERNAL BATTERY PACK FOR BATT SMART UPS X RT 120V CUST PAYS FRT	3	768.00	2,304.00
Network/Access Costs	SMART UPS X 2000VA RT RACK / PERP TOWER LCD 100-127V	1	1,310.00	1,310.00
Network/Access Costs	EXTERNAL BATTERY PACK FOR BATT SMART UPS X RT 120V CUST PAYS FRT	3	768.00	2,304.00
Network/Access Costs	SMART UPS X 2000VA RT RACK / PERP TOWER LCD 100-127V	1	1,310.00	1,310.00
Network/Access Costs	EXTERNAL BATTERY PACK FOR BATT SMART UPS X RT 120V CUST PAYS FRT	3	768.00	2,304.00
Network/Access Costs	SMART UPS X 2000VA RT RACK / PERP TOWER LCD 100-127V	1	1,310.00	1,310.00
Network/Access Costs	EXTERNAL BATTERY PACK FOR BATT SMART UPS X RT 120V CUST PAYS FRT	3	768.00	2,304.00
Internal Components and Connections	STEP DOWN TRANSFORMER 208V IN CPNT 120V RM 2U OUT W/5-20 RECEPTACLES	1	548.00	548.00
Network/Access Costs	HPe Aruba LTE Sensor	9	553.00	4,977.00
Internal Components and Connections	TC 5WIRE W/L21-20 5 FOOT	2	83.00	166.00
Internal Components and Connections	TC 3WIRE W/L5-20 5 FOOT	2	108.00	216.00
Internal Components and Connections	TC 3WIRE W/L5-15 5 FOOT	4	106.00	424.00
Internal Components and Connections	TC 3WIRE W/L5-15 7 FOOT	2	108.00	216.00
Internal Components and Connections	TC 3WIRE W/L5-15 9 FOOT	2	110.00	220.00
Network/Access Costs	Symmetra PX 10kW Power Module, 208V, High Efficiency	3	4,320.00	12,960.00
Network/Access Costs	Battery Module for Symmetra PX, Smart-UPS VT or Galaxy 3500	4	1,750.00	7,000.00
Network/Access Costs	NetBotz 125 kHz Rack Access Control	1	1,100.00	1,100.00
Network/Access Costs	APC Temperature & Humidity Sensor	1	125.00	125.00

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Select the allowable expenditure type. Repeat to add another item under each type.	<b>PUBLIC</b> Items to be Purchased	Quantity	Cost Per Item	Total Cost
Network/Access Costs	UPS Network Management Card with PowerChute Network Shutdown & Environmental Monitoring	1	445.00	445.00
		<b>603</b>	<b>22,659.50</b>	<b>356,741</b>

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.	<b>PUBLIC</b> Items to be purchased	Quantity	Cost per Item	Total Cost
Professional Services	Electrical contractor work to install-Services	1	7,060.00	7,060.00
Professional Services	Start-Up Service 5X8 for (1) Symmetra 40kW UPS and/or (1) PDU	1	805.00	805.00
Professional Services	Scheduled 5X8 Assembly Service for Symmetra PX 40 kW UPS and/or PDU	1	1,100.00	1,100.00
Professional Services	NetBotz Assembly Services for NBRK0450/ NBRK0570/ NBWL0355/ NBWL0455	1	232.00	232.00
Professional Services	5X8 Scheduled Assembly Service for 1-5 Racks	1	1,476.00	1,476.00
Network/Access Costs	Rack PDU 2G, Metered, ZeroU, 20A, 208V 3Ph, (24) 5-20R (6) L6-20R	2	525.00	1,050.00
Network/Access Costs	Rack PDU, Basic, 1U, 20A, 120V, (10)5-20; L5-20P	2	130.00	260.00
Network/Access Costs	GENERIC ASSY SYM 20KVA 3PH 208V W/DIST	1	15,200.00	15,200.00
Connections/Components	3-POLE, 20A BOLT-ON SQUARE D BREAKER	2	85.00	170.00
Connections/Components	1-POLE, 20A BOLT-ON SQUARE D BREAKER	2	35.00	70.00
Network/Access Costs	S/A BLANK PNL 1P CKTBRK NAM PSX-PDU	23	30.00	690.00
Connections/Components	S/A TESTED BRKR 1P 15A PNL	8	45.00	360.00
Network/Access Costs	ASSY ISX-20KF FINAL ITEMS	1	527.00	527.00
Network/Access Costs	2) Year On-Site Warranty Extension for (1) Symmetra PX UPS 10kVA 40 and/or PDU	1	4,856.00	4,856.00
Professional Services	PRODUCT PROFESSIONAL SERVICES OTHER THIRD PARTY PROJECT MANAGEMENT	1	4,051.00	4,051.00
Network/Access Costs	Catalyst4500E 7 slot	-1	3,218.00	-3,218.00



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Select the allowable expenditure type. Repeat to add another item under each type.	<b>PUBLIC</b> Items to be purchased	Quantity	Cost per Item	Total Cost
	chassisfor48Gbps/slot, fan, no ps			
Network/Access Costs	SNTC-24X7X4 Catalyst4500E7 slotchassis for 48Gbps	-1	9,274.00	-9,274.00
Network/Access Costs	Catalyst 4500 E-SeriesSupervisor 8-E	-1	9,198.00	-9,198.00
Network/Access Costs	Catalyst 4500 E-SeriesRedundantSupervisor 8-E	-1	9,198.00	-9,198.00
Network/Access Costs	Catalyst 4500 E-Series 48-Port10/100/1000 Non-Blocking	-1	3,218.00	-3,218.00
Network/Access Costs	Catalyst 4500 E-Series 12-Port 10GbE(SFP+)	-1	12,418.00	-12,418.00
Network/Access Costs	Catalyst 4500 E-Series 12-Port 10GbE(SFP+) Spare	-1	12,418.00	-12,418.00
Network/Access Costs	Catalyst 4500 4200W AC dualinputPower Supply (Data +PoE)	-1	1,378.00	-1,378.00
Network/Access Costs	Catalyst 4500 4200W AC dualinputPower Supply (Data +PoE)	-1	1,378.00	-1,378.00
Network/Access Costs	Paper IP to Ent ServicesLicense	-1	4,598.00	-4,598.00
Network/Access Costs	Catalyst 2960-X 48 GigE PoE740W, 2x 10G SFP+, LANBase K12	-79	3,677.00	-290,483.00
Connections/Components	Catalyst 2960-X FlexStack PlusStacking Module	-79	549.69	-43,425.51
Connections/Components	Catalyst 2960-X FlexStackPlusStacking Module optional	-35	549.69	-19,239.15
Connections/Components	Cisco Bladeswitch 3M stackcable	-31	138.00	-4,278.00
Connections/Components	10GBASE-LRM SFP Module	-6	457.67	-2,746.02
Connections/Components	10GBASE-ER SFP Module	-1	4,600.00	-4,600.00
Connections/Components	10GBASE-LR SFPModule,Enterprise-Class	-1	874.00	-874.00
Connections/Components	10GBASE-SR SFP Module	-1	457.00	-457.00
Network/Access Costs	ASA 5512-X with SW, 6GEData, 1GEMgmt, AC,3DES/AES	-2	1,837.50	-3,675.00
Network/Access Costs	SNTC-8X5XNBD ASA 5512-XwithSW	-2	1,006.00	-2,012.00
Network/Access Costs	ASA 5512-X Sec. Plus Lic. w/HA, SecCtxt, more VLAN +Conns	-2	460.00	-920.00
Network/Access Costs	ASA 5512-X -- ASA 5555-XRail Kit	-2	230.00	-460.00
Network/Access Costs	Cisco AnyConnect 25 UserPlusPerpetual License	-1	483.00	-483.00

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Select the allowable expenditure type. Repeat to add another item under each type.	<b>PUBLIC</b> Items to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	SW APP SUPP + UPGRCiscoAnyConnect 25	-1	69.00	-69.00
		<b>-205</b>	<b>117,841.55</b>	<b>-402,111</b>

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	5,816	682	6,498.00	10.50

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

	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Network/Access Costs	354,951.00	41,622.52	396,573.52
School Internal Connections and Components	1,790.00	209.90	1,999.90
Other	0.00	0.00	0.00
<b>Totals:</b>	<b>356,741.00</b>	<b>41,832</b>	<b>398,573</b>

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

	Sub-Allocation
Network/Access Costs	-341,815.00
Outside Plant Costs	(No Response)
School Internal Connections and Components	-75,019.68
Professional Services	14,724.00
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
<b>Totals:</b>	<b>-402,110.68</b>

14. School Connectivity Totals

	Total Sub-Allocations
Total Loanable Items	398,573.42
Total Non-loanable Items	-402,110.68
<b>Totals:</b>	<b>-3,537</b>

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Community Connectivity (Broadband and Wireless)

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
		<b>0</b>	<b>0.00</b>	<b>0</b>

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)
<b>Totals:</b>	<b>0.00</b>

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Classroom Learning Technology

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)

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## Classroom Learning Technology

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)

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Classroom Learning Technology

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
		<b>0</b>	<b>0.00</b>	<b>0</b>

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	5,816	682	6,498.00	10.50

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
<b>Totals:</b>	<b>0.00</b>	<b>0</b>	<b>0</b>

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Pre-Kindergarten Classrooms

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
		<b>0</b>	<b>0.00</b>	<b>0</b>

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)
<b>Totals:</b>	<b>0.00</b>

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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
		<b>0</b>	<b>0.00</b>	<b>0</b>

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)
<b>Totals:</b>	<b>0.00</b>



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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
		<b>0</b>	<b>0.00</b>	<b>0</b>

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)
<b>Totals:</b>	<b>0.00</b>

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Non-Public Schools

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.

We have reached out to our nonpublic schools have given them until October 15th (each year) to make requests for devices that are deemed eligible. Currently, they have not requested any devices.

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.

October 15

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	5,816	682	6,498.00	10.50

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	398,573.42	0.00		61.34	64.32	125.66	61.34	41,832.42
Final Adjusted Loan - (If additional loan funds)	398,573.42	0.00	(No Response)	61.34	64.32	125.66	61.34	41,832.42

5. Nonpublic Share

	Final Per Pupil Amount	Final Nonpublic Loan Amount
Pending and Previously Approved Plans	64.32	43,866.24
This Plan	61.34	41,832.42
Total	125.66	85,698.66

6. Distribution of Nonpublic Loan Amount by School

Nonpublic School Name	2018-19 K-12 Enrollment	Special Ed School? If Yes, not eligible
ALLENDALE COLUMBIA SCHOOL	358	No
ST LOUIS SCHOOL	202	No
TRINITY MONTESSORI SCHOOL	62	No

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

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Non-Public Schools

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Select the allowable expenditure type. Repeat to add another item under each type.	Items to be purchased	Quantity	Cost Per Item	Total Cost
Unbudgeted Nonpublic Loan Amount	undetermined budget item	1	41,832.42	41,832.42
		<b>1</b>	<b>41,832.42</b>	<b>41,832</b>