Page Last Modified: 05/09/2017

Group 1

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

Kirsten DeMento

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

5186293231

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

kdemento@vlietschools.org

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

First submission

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

☑ District Educational Technology Plan Submitted to SED and Approved

4. Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.
By checking the boxes below, you are certifying that you have engaged with those required stakeholders. Each box must be checked prior to submitting your Smart Schools Investment Plan.

☑ Parents
☑ Teachers
☑ Students
☑ Community members

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

☐ Yes
☐ No
☑ N/A

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

☑ The district developed and the school board approved a preliminary Smart Schools Investment Plan.
☑ The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.
☑ The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have 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.

Page Last Modified: 05/09/2017

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.

Smart Schools Bond Investment Plan for BOE final 1-2016.pptx

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.

http://watervlietcityschools.org/district/news/2015-16/15-12-18_SmartSchoolsPlan.cfm

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.

1,350

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

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

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

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

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

(No Response)

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

$1,441,614

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	325,700
Connectivity Projects for Communities	0
Classroom Technology	0
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	182,445
Totals:	**508,145**

Page Last Modified: 05/08/2017

Group 1

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 Watervliet City School District cross contracts with Capital District BOCES/ NERIC to provide high speed internet service to our district. We installed fiber optic lines from BOCES to the building as well as between our two district buildings to ensure we have enough capacity and speed to meet the higher demands of future use. We currently purchase 120 mbps.

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	1,200	120,000	120	120	120	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.

Both building will become equipped with controlled wireless systems using the Cisco Meraki system. The systems includes wireless hubs installed in classrooms and hallways. The wires were installed in the last building project four years ago in both buildings. Currently we do not have wireless systems. This will allow students and faculty to be able to log on to the network and the internet with devices wirelessly including chrome books, phones, and other devices that use internet. Additionally, the district will be installing emergency VOIP service in both buildings (Elementary and High School). This will include phone communication devices in each classroom so that teachers can be aware of emergency incidents in the building and/or call emergency incidents in to the main office/911.

Page Last Modified: 05/08/2017

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?)

Currently the Watervliet City School District is operating at a disadvantage for our staff and students. We do not have a managed wireless system that will allow laptops, tablets, smart phones and other technologies to be used in our environment easily. Instead our technology is tethered to the walls, coming from the limited number of hardwired data drops that are available in the classrooms and offices. Currently the limited number of drops only allows classrooms to have no more than 2-4 computers for student use. Some rooms only have access for one computer. By installing a managed wireless system the use of technology through out the district will be expanded exponentially and the following will be made possible:

- **Increase students' abilities to research; increase informational and technology fluency (ISTE Standards)**
- **Enrich and integrate math, science, technology curriculum with new technology such as 3-D printers with modeling software**
- **Increase collaboration amongst students as well as amongst students and teachers through the use of technology and software such as Google Apps for Education (GAFE)**
- **Increase internet accessibility in school and the community for all students and staff. This would include installing managed wireless systems in both school buildings as well as potentially opening the school district after hours/weekends to support student learning.**
- **Increase assistive technology to meet the needs of *all* students, including students with disabilities, speech students, and English as a New Language (formerly ESL)/ English Language Learners (ELLs). Technology could include increasing the availability and use of tablets as well as specialized software for reading, listening, speaking and writing. (ex. FM System with speakers for the hearing impaired, tablets, speech to text software, translation software, etc.) This would allow students with disabilities and ELLs continued access to the general education curriculum.**
- **Ensure that all students are college and career ready by encouraging collaboration; instill respectful use of social media.**
- **Differentiation of curriculum: students will be able to use school devices and in the future personal devices, to learn at their own pace with the necessary hardware and software to do this.**
- **Increase safety and security in the district, especially at Watervliet Elementary School, with the installations of indoor and outdoor security cameras/system. Upgrade cameras in WHS to a cloud based system accessible outside the building. Installing telephones in all classrooms that have Informacast software to enable them to become a security feature and allows teachers to call a lockdown and or receive information that one is occurring.**
- **Upgrade all necessary infrastructure (cores, switches, servers, etc.) to enable the district to continued access to the internet and other district technology services.**

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.

We consulted with outside agencies (Anesse and NERIC) who reviewed our current network infrastructure. They made recommendations on what should be purchased/implemented to meet current as well as future network needs.

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
01-12-00-01-7-999-BA1
01-12-00-01-7-999-002

Page Last Modified: 05/08/2017

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
Bryan Manning	21084

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	266,448
Outside Plant Costs	(No Response)
School Internal Connections and Components	16,380
Professional Services	42,872
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	**325,700**

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.

Page Last Modified: 05/08/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Connections/Components	10Gbase-lrm sfp Modules	14	507	7,098
Connections/Components	10GBASE-CU SFP-Cable 3 meter	12	51	612
Connections/Components	Fiber Optic Cable LC/SC	14	22	308
Network/Access Costs	Catalyst 290-x 48 GigE POE 7401, 2 x10G SFP, LAN Base (20 for WHS/11 for WES)	31	4,077	126,387
Network/Access Costs	Catalyst 2960-x Flex Stack Plus Stacking Module	25	609	15,225
Connections/Components	Cisco Flex Stack 3mm stacking cable	8	102	816
Connections/Components	10 CBASE-CU SFP+Cable5 meter	4	77	306
Connections/Components	Fiber optic cable LC/SC OM1 Multi Mode duplex 3mm	1	46	46
Professional Services	Routing and Switching, project completion .Installation and configuration of all switches and applicable cables and connections in the high school as well as in the elementary school. This would include any software to make the network and related hardware operational.	1	16,044	16,044
Network/Access Costs	WS-C4500X-24X-ESCatalyst 4500-X 24 Port 10G Ent. Services, Frt-to-Bk, No P/S	2	12,240	24,480
Network/Access Costs	C4KX-PWR-750AC-R Catalyst 4500X 750W AC front to back cooling power supply	2	1,020	2,040
Connections/Components	SFP-10G-LRM 10GBASE-LRM SFP Module	4	507	2,030
Connections/Components	GLC-T 1000BASE-T SFP	2	201	403
Connections/Components	SFP-H10GB-CU1M 10GBASE-CU SFP+ Cable 1 Meter	4	51	204
Connections/Components	SFP-H10GB-CU3M 10GBASE-CU SFP+ Cable 3 Meter	1	51	51
Connections/Components	15216-LCSC-003 Fiber Optic Cable, LC/LC, OM1, Multi Mode, Duplex - 3 meter (62.5/125 Type) - Orange	8	22	176
Network/Access Costs	WS-C2960X-48FPD-L Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base	1	4,077	4,077

Page Last Modified: 05/08/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	WS-C2960X-48FPD-L Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base	1	4,077	4,077
Connections/Components	SFP-10G-LRM= 10GBASE-LRM SFP Module	1	507	507
Connections/Components	15216-LCSC-003 Fiber Optic Cable, LC/LC, OM1, Multi Mode, Duplex - 3 meter (62.5/125 Type) - Orange	1	22	22
Network/Access Costs	WS-C2960X-48FPD-L Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base	1	4,077	4,077
Connections/Components	SFP-10G-LRM= 10GBASE-LRM SFP Module	1	507	507
Connections/Components	15216-LCSC-003 Fiber Optic Cable, LC/LC, OM1, Multi Mode, Duplex - 3 meter (62.5/125 Type) - Orange	1	22	22
Network/Access Costs	WS-C2960X-48FPD-L Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base	1	4,077	4,077
Connections/Components	SFP-10G-LRM= 10GBASE-LRM SFP Module	1	507	507
Connections/Components	15216-LCSC-003 Fiber Optic Cable, LC/LC, OM1, Multi Mode, Duplex - 3 meter (62.5/125 Type) - Orange	1	22	22
Network/Access Costs	WS-C2960X-48FPD-L Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base	1	4,077	4,077
Connections/Components	SFP-10G-LRM= 10GBASE-LRM SFP Module	1	507	507
Connections/Components	15216-LCSC-003 Fiber Optic Cable, LC/LC, OM1, Multi Mode, Duplex - 3 meter (62.5/125 Type) - Orange	1	22	22
Network/Access Costs	WS-C4500X-24X-IPB Catalyst 4500-X 24 Port 10G IP Base, Front-to-Back, No P/S	1	10,200	10,200
Network/Access Costs	C4KX-PWR-750AC-R Catalyst 4500X 750W AC front to back cooling power supply	1	1,020	1,020
Connections/Components	SFP-10G-LRM 10GBASE-LRM SFP Module	2	507	1,015
Connections/Components	SFP-H10GB-CU3M 10GBASE-CU	1	51	51

Page Last Modified: 05/08/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	SFP+ Cable 3 Meter			
Network/Access Costs	C4KX-PWR-750AC-R/2 Catalyst 4500X 750W AC front to back cooling 2nd PWR supply	1	1,020	1,020
Connections/Components	15216-LCSC-003 Fiber Optic Cable, LC/LC, OM1, Multi Mode, Duplex - 3 meter (62.5/125 Type) - Orange	2	22	44
Network/Access Costs	WS-C2960X-48FPD-L Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base	1	4,077	4,077
Connections/Components	15216-LCSC-003 Fiber Optic Cable, LC/LC, OM1, Multi Mode, Duplex - 3 meter (62.5/125 Type) - Orange	1	22	22
Network/Access Costs	WS-C2960X-48FPD-L Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base	1	4,077	4,077
Connections/Components	SFP-10G-LRM= 10GBASE-LRM SFP Module	1	507	507
Connections/Components	15216-LCSC-003 Fiber Optic Cable, LC/LC, OM1, Multi Mode, Duplex - 3 meter (62.5/125 Type) - Orange	1	46	46
Network/Access Costs	WS-C2960X-48FPD-L Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base	1	4,077	4,077
Connections/Components	SFP-10G-LRM= 10GBASE-LRM SFP Module	1	507	507
Connections/Components	15216-LCSC-003 Fiber Optic Cable, LC/LC, OM1, Multi Mode, Duplex - 3 meter (62.5/125 Type) - Orange	1	22	22
Professional Services	PS-SNY-ADV Phase 1 - Routing & Switching. This includes final testing and necessary changes to ensure that all switches in WHS (20) and in WES (11) are operational and that the software is up to date.	1	5,476	5,476
Professional Services	PS-SNY-ADV Project Completion. This includes ensuring that both buildings (WHS/WES) are able to connect to each other and to BOCES via internet.	1	1,099	1,099
Network/Access Costs	MR42-HW Meraki MR42 Cloud Managed AP (configuration of 53 access points at WHS and 37 access	90	594	53,460

Page Last Modified: 05/08/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	points at WES to provide wireless connectivity to devices. THis would include applying cloud managed licenses to the hardware.			
Professional Services	PS-SNY-ADV Phase 1 - Wireless-Meraki Install (Includes the physical installation of 90 access points (53 in WHS/ 37 at WES)	1	15,593	15,593
Professional Services	PS-SNY-ADV Project Completion-Meraki install (This includes the final set up to manage all of the access points via the cloud including training to district staff.)	1	4,660	4,660

Page Last Modified: 05/08/2017

Group 1

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.

Page Last Modified: 05/08/2017

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)

Page Last Modified: 05/08/2017

Questions

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. 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.

Page Last Modified: 05/08/2017

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?"

(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 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.

(No Response)

9b. Enter the primary Institution phone number.

(No Response)

Page Last Modified: 05/08/2017

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. 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)

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.

Page Last Modified: 05/08/2017

	Sub-Allocation
Interactive Whiteboards	(No Response)
Computer Servers	(No Response)
Desktop Computers	(No Response)
Laptop Computers	(No Response)
Tablet Computers	(No Response)
Other Costs	(No Response)
Totals:	**0**

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.

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)

Page Last Modified: 05/08/2017

Group 1

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.

Pre-Kindergarten Classrooms

Page Last Modified: 05/08/2017

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)

Page Last Modified: 05/08/2017

Group 1

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)

Page Last Modified: 05/08/2017

Group 1

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.

The Watervliet City School district plans to install cameras at the Watervliet Elementary School inside and outside the building. These will be web based so that an outside agency such as police can view them from a remote location if there was an incident. Additionally, the cameras at the high school will be upgraded to a web based platform.
The district plans to install a VOIP system that will be used as an emergency broadcast system. Each classroom and office would be equipped with a CISCO phone that has special software- Informacast- that will allow us to use the phones to inform staff if there is any kind of emergency in the building (lock down, lock out, shelter in place, etc) as well as allow an emergency to be called from any phone. The phone system should be a streamlined review as it does not include any building/architect. We will just be installing (plugging in) the phones and software next to each teacher/staff's computer.

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
01-12-00-01-7-999-002

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
Bryan Manning	21084

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)	0
Electronic Security System	161,445
Entry Control System	0
Approved Door Hardening Project	0
Other Costs	21,000
Totals:	**182,445**

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.

High-Tech Security Features

Page Last Modified: 05/08/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	NVR, 16 Channel, H264, up to 5pm integrated 16port POE HDMI 4-SATA with 6TB	4	1,378	5,512
Electronic Security System	Outdoor Bullet 3mp/1080p H264, 2.8 12mm day.night, IR(30m), IP66, POE./12VDC	14	392	5,488
Electronic Security System	Outdoor Dome, 3MP/ 1080p, H263 2.8mm day/night, 3-axis, usd, IP66, POE/12VDC	13	192	2,496
Electronic Security System	Outdoor Dome 3MP/1080P, H264, 4mm Day/night, IR (30m) 3-axis, usd, IP66, POE/12VDC	8	192	1,536
Electronic Security System	Outdoor Dome, 3MP/1080P, H264, 2.8mm Day/night, IR(30m) 30axis, usd, IP66, OE/12VDC	8	192	1,536
Electronic Security System	Cable/wire 24/4PR CAT5E CMP 100ft box White	6	302	1,814
Electronic Security System	Install/Labor/Project Management-elementary school. This includes the cost of the installation(labor) of 43 cameras	1	28,297	28,297
Electronic Security System	Coduit/boxes/brackets	10	63	630
Electronic Security System	NVR, 16- Channel, H264, up to 5MP, integratred 16 port POE, HDMI, 4-SATA, with 9TB	4	1,639	6,556
Electronic Security System	Network PTZ Speed DOme, Value Series, day.night, outdoor , heater, IP66-rated, 2.0 megapixel, 1080p, 20x opital zoom, integrated IR illuminator,m24 VAC/Hi-POE	1	1,222	1,222
Electronic Security System	Accessory PTZ braket/juntion box	1	36	36
Electronic Security System	Accessory PTZ bracket corner mount	1	33	33
Electronic Security System	Outdoor Bullet, 3 MP/1080p H264, 2.8mm, day./night, IR(30) 3 Axis, USD, IP66 Poe/12VDC	11	392	4,312
Electronic Security System	Outdoor Dome 3mp/1080P H264, 4mm, day/night, IR (30), 3 axis, usd, IP66, POE/12VDC	10	192	1,920
Electronic Security System	Outdoor DOme,, 3mp/1080p, H264, 4mm, day.night, IR(30), 3 axis, usd,	25	192	4,800

High-Tech Security Features

Page Last Modified: 05/08/2017

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	IP66, POE/12VDC			
Electronic Security System	Ethernet/POE or POE+ over coas kit, ebridge plus, supports IP Video/Daa/POE or POE+ over coax up to 1,500 feet, inlcudes 1 ebridge 1 PCRX receiver, 1 eBridge 1PCTX transciever, UL/cUL listed (UL60950-1, CE Approved	16	293	4,688
Electronic Security System	Cable/wire 24/4pr CAT5E CMP 1000Ft Box white	6	302	1,817
Electronic Security System	Install (Labor) project management-high school for 49 cameras	1	26,199	26,199
Other Costs	Architectural Review for SIPP	1	21,000	21,000
Electronic Security System	Telephone adapter	12	153	1,836
Electronic Security System	CP-7800 Wall Mount Kit Cisco Phones 7800 series	5	38	190
Electronic Security System	CP-7481-K9 Cisco IP Phone7841	127	186	23,622
Electronic Security System	CP- 8841-k9 Cisco IP Phone 8841	45	252	11,340
Electronic Security System	CP-8865 k9 Cisco IP Phone 8865	11	405	4,455
Electronic Security System	CP-BEKEM Cicso IP Phone 8800 Key expansion module	11	250	2,750
Electronic Security System	Proff Service- PS-SNY-ADV PHASE 1 uc emergency VOIP (Installation and configuration of Vioce over IO phone communication system in WHS and WES. This includes the deployment of 199 VOIP phones)	1	14,109	14,109
Electronic Security System	Remote Support- set up (This is for support on the newly installed voice system by Annese after the cutover has occurred.)	1	526	526
Electronic Security System	Phase 1 uc emergency voip final installation (This is the loading and configuration of emergency software onto physical hardware servers.)	1	3,430	3,430
Electronic Security System	Bogen TAMB2-telephone paging access module	2	147	295

Page Last Modified: 04/11/2017