

Smart Schools Investment Plan - Revised - MV_Spring2019

SSIP Overview

Institution ID

800000035289

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

Joseph McGrath

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

9146657569

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

jmcgrath@mtvernoncsd.org

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.

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.

Parents

Teachers

Students

Community members

The district was unable to meet with each group of stakeholders due to an emergency need as a result of the COVID-19 crisis.

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 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 school board was unable to conduct a hearing that enabled stakeholders to respond to the preliminary plan due to an emergency need as a result of the COVID-19 crisis.

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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SSIP Overview

- 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 Mt Vernon CSD V2.pdf
 Smart Schools Investment Plan Mt Vernon CSD V2.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.

<https://www.mtvernoncsd.org/Page/7554>

- 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.

8,500

- 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:

\$7,961,129

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	8,190	621	8,811.00	7.05

- 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	5,238,633.00	5,238,633.00	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	2,678,121.27	2,678,121.27	0.00
Nonpublic Loan	44,374.73	44,374.73	0.00

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SSIP Overview

	Sub-Allocations	Expenditure Totals	Difference
Totals:	7,961,129	7,961,129	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.

The district has already connected each of its buildings back to the central office Education Center via dedicated 10Gb fiber for each school and is currently implementing plans that will provide a 10 Gb Fiber backbone from the the Education Center to our local Lower Hudson Region InformationCenter (BOCES) who is also our internet service provider. The contract with our ISP the LHRIC allows for burstable data plans so that we can ensure the ability to provide sufficient bandwidth as demand needs increase preparing us for CBT and increased use of blended learning.

- 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	8,500	850.00	500	1000	5/1/2020

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

Smart Schools Bond Act funding will pay for wiring, switches, routers, wireless access points, wireless controllers, maintenance software and other network appliances that will provide sustained high speed access for the students at our schools.

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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.)

The following are The Mount Vernon Vision and Goals as established in the NYSED approved Technology plan: The Mount Vernon City SchoolDistrict (MVCSD) will be a high- quality educational system where all students receive a well-rounded education that educates the whole child attending to their academic, social and emotional strengths and needs. The MVCSD will be a safe, nurturing, invigorating, challenging, respected, and supportive environment where all stakeholders community members, board, parents and families, students, staff, administrators, and teachers work together in the best interests of our children. MVCSD will have consistent leadership that engages in ongoing communication with all district stakeholders and community members on decision-making. To implement its Strategic Instructional Technology Plan and move forward into implementing the 21st-century learning environments called for in our district technology plan, the district will need to reform the way in which technology is overseen and managed by the district. The key to this new organization is the creation of a stronger connection between technology management and the district s curriculum and instruction infrastructure, and the placement of considerably more instructional and technical resource people at the building level. Initially focusing on infrastructure, professional development and technical support the district will establish the supports and understanding necessary to begin the transformation process.Establishing desired student learning outcomes will be the first step before prescribing software and lastly prescribing and delivering the necessary hardware to meet the needs of our students.

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 district has employed a consultant to conduct wireless surveys and map out the specific needs for wireless. Based on a gap analysis between our current wired and wireless infrastructure and the desired state necessary for all students to have adequate bandwidth as outlined by the Connectivity Speed Calculator a plan for upgrading our systems was developed which is the basis for the Smart schools investment plan. Furthermore, our current contract with our ISP allows us the ability to burst our current bandwidth as needed to double it's current ability and in the future we will have the ability to provide up to 10Gb of bandwidth to the district. For our high Schools and buildings under construction the district has prioritized providing updated wiring from Cat 5e to Cat 6 and Cat 6A for wireless. Our plan calls for the SSBA funds to be used to focus on two of our three high schools and an elementary school that is currently under construction. The third high school is receiving a network upgrade and rewire through local and School Bond funds. For our SSBA focus schools, we are re-wiring, providing new wireless and new network infrastructure. Other schools will continue to use existing Cat5E wiring but we are upgrading switches and wireless access points to provide sufficient bandwidth.

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
66-09-00-01-7-999-BA1
66-09-00-01-0-017-047
66-09-00-01-7-999-012

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School Connectivity

- 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
PETER GISOLFI ASSOCIATES, LLP	12248

- 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
Internal Components and Connections	CAT9400 SERIES 7 SLOT SUP 2XC9400-LC-48U	4	11,040.00	44,160.00
Internal Components and Connections	SOLN SUPP 8X5XNBD Catalyst 9400 Series 7 slot, Sup, 2xC940	4	1,271.00	5,084.00
Internal Components and Connections	CATALYST 9400 SERIES 3200W AC PWR SUPPLY	16	1,224.00	19,584.00
Network/Access Costs	Cisco Catalyst 9400 DNA Advantage 3 Year License	2	7,710.00	15,420.00
Internal Components and Connections	Cisco Catalyst 9400 Series Sup-1XL-Y Bundle Select Option	2	3,060.00	6,120.00
Internal Components and Connections	Cisco Catalyst 9400 Series 240GB M2 SATA memory (Supervisor)	4	1,224.00	4,896.00
Internal Components and Connections	Catalyst 9400 Series 2xC9400-LC-48UX for Bundle Select	2	3,000.00	6,000.00
Internal Components and Connections	Catalyst 9400 Series 10 slot,Sup, 2xC9400-LC-48U, DNA-E LIC	7	18,240.00	127,680.00
Internal Components and Connections	SOLN SUPP 8X5XNBD Catalyst 9400 Series 10 slot,Sup, 2xC940	5	2,200.00	11,000.00
Internal Components and Connections	Cisco Catalyst 9400 Series 3200W AC Power Supply	28	1,224.00	34,272.00

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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	Cisco Catalyst 9400 DNA Essential 3 Year License	7	2,202.00	15,414.00
Internal Components and Connections	Cisco Catalyst 9400 Series Sup-1XL-Y Bundle Select Option	9	3,060.00	27,540.00
Internal Components and Connections	Cisco Catalyst 9400 Series 240GB M2 SATA memory (Supervisor)	5	1,224.00	6,120.00
Internal Components and Connections	Cisco Catalyst 9400 Series 48Port UPOE w/ 24p mGig 24p RJ-45	5	6,900.00	34,500.00
Internal Components and Connections	Cisco Catalyst 9400 Series 24-Port 10 Gigabit Ethernet(SFP+)	2	14,688.00	29,376.00
Internal Components and Connections	40GBASE-CR4 Passive Copper Cable, 3m	2	150.00	300.00
Internal Components and Connections	10GBASE-SR SFP Module, Enterprise-Class	20	420.00	8,400.00
Internal Components and Connections	Cat6 10Ft Patch Cable	1,500	5.25	7,875.00
Internal Components and Connections	5 Meter Fiber Cable	48	30.65	1,471.20
Internal Components and Connections	C1 ADVANTAGE TERM C9500 3YR DNA 100 ISE	2	11,595.38	23,190.76
Internal Components and Connections	CATALYST 9400 SERIE RED SUPV 1XL 25G MOD	2	13,828.84	27,657.68
Internal Components and Connections	SOLN SUP 8X5XNBD 9400 SERIES 10 SLOT SUP	2	2,200.00	4,400.00
Internal Components and Connections	CATALYST 9400 SERIES 48PT UPOE 24P MGIG	2	8,206.00	16,412.00
Internal Components and Connections	40GBASE-CR4 Passive Copper Cable, 3m	2	150.00	300.00
Internal Components and Connections	APC Smart-UPS Step-Down Transformer	4	730.00	2,920.00
Internal Components and Connections	APC Smart-UPS 5000VA	4	4,290.31	17,161.24
Network/Access Costs	APC Extended Warranty WEXTWAR 3YR-SP-05	4	748.34	2,993.36
Network/Access Costs	APC Extended Warranty WBEXTWAR 1YR-AC-03	4	87.79	351.16
Internal Components and Connections	802.11AC W2 AP W/CA 4X4 3 MOD INT ANT	60	1,104.68	66,280.80
Internal Components and Connections	DNA4C1 ESSENTIALS TERM WLS 1YR	60	56.14	3,368.40
Network/Access Costs	ONE FOUNDATION PERP	60	249.74	14,984.40

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Select the allowable expenditure type. Repeat to add another item under each type.	PUBLIC Items to be Purchased	Quantity	Cost Per Item	Total Cost
	WLS C1FPAIRK9			
		1,878	122,120.12	585,232

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
Connections/Components	Cat 6 Cabling terminated and tested	3,305	700.00	2,313,500.00
Connections/Components	Cat 6A Cabling terminated and tested	748	1,100.00	822,800.00
Other Costs	Abatement Allowance	1	500,000.00	500,000.00
Professional Services	Architect and professional services	1	343,521.00	343,521.00
Other Costs	Contingency	1	505,580.00	505,580.00
Professional Services	Installation and configuration of Network Components	1	168,000.00	168,000.00
		4,057	1,518,901.00	4,653,401

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	8,190	621	8,811.00	7.05

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

	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Network/Access Costs	49,162.92	3,727.74	52,890.66
School Internal Connections and Components	536,069.08	40,647.00	576,716.08
Other	(No Response)	0.00	0.00
Totals:	585,232.00	44,375	629,607

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

	Sub-Allocation
Network/Access Costs	(No Response)
Outside Plant Costs	(No Response)
School Internal Connections and Components	3,136,300.00
Professional Services	511,521.00
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	

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School Connectivity

	Sub- Allocation
	1,005,580.00
Totals:	4,653,401.00

14. School Connectivity Totals

	Total Sub-Allocations
Total Loanable Items	629,606.73
Total Non-loanable Items	4,653,401.00
Totals:	5,283,008

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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
		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

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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
		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	8,190	621	8,811.00	7.05

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

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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
		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

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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
		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

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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.

The district intends to install a complete Intrusion detection system including sensors and motion detection systems district-wide while also providing for a complete security system including door controls, cameras and monitoring stations at three schools: MVHS, former NMHS site and the STEAM academy. The district will also be installing VOIP telephones that works with digital PA system in all three schools.

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
66-09-00-01-7-999-BA1
66-09-00-01-0-017-047
66-09-00-01-7-999-012

3. Was your project deemed eligible for streamlined Review?

- Yes
- No

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

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

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

Name	License Number
PETER GISOLFI ASSOCIATES, LLP	12248

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
Electronic Security System	UP PHONE 7821	240	152.80	36,672.00
Electronic Security System	UC MGR 10.X BASIC SGL USER UNDER 1K	310	78.51	24,338.10
Electronic Security System	SWSS UPG FOR LIC-CUCM-10X-BAS-A	310	18.88	5,852.80
Electronic Security System	Professional Services Installation for phones and speakers	1	146,400.00	146,400.00
Electronic Security System	CISCO IP PHONE 8845	70	344.80	24,136.00

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High-Tech Security Features

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	POE+ INDOOR WALL MOUNT IP LOUDSPEAKER	80	322.89	25,831.20
Electronic Security System	SINGLEWIRE INFORMACAST SPEAKER SPKR GRAY WHITE RAL 9002	117	423.11	49,503.87
Electronic Security System	010991 CEILING MOUNT for speakers	117	40.01	4,681.17
Electronic Security System	POE+ INDOOR WALL MOUNT IP LOUDSPEAKER WITH LCD DISPLAY	365	931.29	339,920.85
Electronic Security System	ANGLED ENCLOSURE SEA-I8SC	365	92.30	33,689.50
Capital-Intensive Security Project	HVAC system installed	5	20,000.00	100,000.00
Capital-Intensive Security Project	30 Amp Electric line installation	10	2,500.00	25,000.00
Electronic Security System	Magnetic Contact (s)	77	28.00	2,156.00
Electronic Security System	Local Audible Alert	10	350.00	3,500.00
Electronic Security System	Motion Detector	7	120.00	840.00
Electronic Security System	Duress Button	15	80.00	1,200.00
Electronic Security System	Card Reader HID Class	23	250.00	5,750.00
Electronic Security System	Elevator hall call Card Reader	10	250.00	2,500.00
Electronic Security System	Wireless Lockset	11	750.00	8,250.00
Electronic Security System	Lockdown Button	10	100.00	1,000.00
Electronic Security System	Door release buttons	3	40.00	120.00
Electronic Security System	Door release button console	2	150.00	300.00
Electronic Security System	Access Control Credential	1,000	5.00	5,000.00
Electronic Security System	Access Control Panel	4	8,000.00	32,000.00
Electronic Security System	Power Supply - Electrified Lockset	8	350.00	2,800.00
Electronic Security System	Power Supply - Security Device	4	350.00	1,400.00
Electronic Security System	Camera - IP Fixed Minidome	136	650.00	88,400.00
Electronic Security System	Camera - IP Pan-Tilt-Zoom	17	2,200.00	37,400.00
Electronic Security System	Elevator Camera	3	650.00	1,950.00
Electronic Security System	180 Degree Camer(2 Head Camera)	22	1,200.00	26,400.00
Electronic Security System	360 Degree Camera (4 Head Camera)	8	1,600.00	12,800.00
Electronic Security System	Intercom Door Station	5	450.00	2,250.00
Electronic Security System	WAG (Wireless Lock Node)	9	450.00	4,050.00
Electronic Security System	SDF 3/4	3	100.00	300.00

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High-Tech Security Features

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	Elevator Demarc Boxes with Tamper Switches	3	350.00	1,050.00
Electronic Security System	Video System Local Recording Servers (Rack Mounted)	2	12,000.00	24,000.00
Electronic Security System	Access Control Server(To be located in the Education Server)	2	4,500.00	9,000.00
Electronic Security System	Monitoring stations for security	4	2,300.00	9,200.00
Electronic Security System	Half-height Security rack	2	800.00	1,600.00
Capital-Intensive Security Project	Conduit, Boxes, Connectors, Misc.	1	130,777.00	130,777.00
Capital-Intensive Security Project	security Cable and Wire	1	74,729.00	74,729.00
Entry Control System	Motion Detector	25	120.00	3,000.00
Electronic Security System	Wireless Lock Set	65	750.00	48,750.00
Electronic Security System	Wireless Access Gateway	43	450.00	19,350.00
Electronic Security System	Magnetic Hold Open Device	44	150.00	6,600.00
Electronic Security System	Mini Dome Camera	17	650.00	11,050.00
Capital-Intensive Security Project	Installation of security system	1,117	130.00	145,210.00
Other Costs	security system Project Management	1	29,892.00	29,892.00
Other Costs	security system construction administration and planning	1	99,572.00	99,572.00
Entry Control System	Bosch B9512 IP Control Panel - Intrusion	17	789.00	13,413.00
Entry Control System	Mounting Plate - MTG SKIRT, SIX 3X5, 5/PKG	35	30.00	1,050.00
Entry Control System	Bosch ENCLOSURE, CONTROL PANEL, SMALL	42	45.00	1,890.00
Entry Control System	Bosch SDI2 8-Input Expansion Module	63	123.00	7,749.00
Entry Control System	Power Supply Charger, Single Class 2 Output, 12/24VDC @ 6A, 115VAC, BC300 Encl.	35	279.00	9,765.00
Entry Control System	Bosch Commercial Metal Contact	550	11.00	6,050.00
Entry Control System	Overhead Door Contact	34	20.00	680.00
Entry Control System	LongRange TriTech PIR Detector (10.525GHz)	92	243.00	22,356.00
Entry Control System	Microwave/PIR Motion Detector, 9 to 15VDC, 10 Milliampere Standby,	24	77.00	1,848.00

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High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	50'x50' Coverage Pattern			
Entry Control System	Bosch Color Graphic Touch Screen Keypad with Prox, White	28	369.99	10,359.72
Entry Control System	12V 4.5AH Sealed Lead Acid Battery	34	14.99	509.66
Entry Control System	18/4 STR JKT 5C BX WHT	98	181.98	17,834.04
Entry Control System	10 inch conduit	1,500	21.00	31,500.00
Entry Control System	Configure or diagnose video surveillace systems. Interrogate video and procedure relevant event footage.	120	150.00	18,000.00
Entry Control System	Install security equipment, low voltage cabling	2,602	149.99	390,273.98
Other Costs	Architect and professional services	1	305,946.00	305,946.00
Other Costs	Contingency	1	168,725.38	168,725.38
		9,981	1,023,773.92	2,678,121

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)	475,716.00
Electronic Security System	1,061,991.49
Entry Control System	536,278.40
Approved Door Hardening Project	(No Response)
Other Costs	604,135.38
Totals:	2,678,121.27

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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.

The district is going to follow its normal loan processes and non public schools will submit their first request by July 1.. The district has already reached out to the non public schools and will continue communications with them.

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.

July 1

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	8,190	621	8,811.00	7.05

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	629,606.73	0.00		71.46	0.00	71.46	71.46	44,374.73
Final Adjusted Loan - (If additional loan funds)	629,606.73	0.00	(No Response)	71.46	0.00	71.46	71.46	44,374.73

5. Nonpublic Share

	Final Per Pupil Amount	Final Nonpublic Loan Amount
Pending and Previously Approved Plans	0.00	0.00
This Plan	71.46	44,374.73
Total	71.46	44,374.73

6. Distribution of Nonpublic Loan Amount by School

Nonpublic School Name	2018-19 K-12 Enrollment	Special Ed School? If Yes, not eligible
(No Response)	(No Response)	(No Response)

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
Unbudgeted Nonpublic Loan	Undetermined	1	44,374.73	44,374.73

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Non-Public Schools

Select the allowable expenditure type. Repeat to add another item under each type.	Items to be purchased	Quantity	Cost Per Item	Total Cost
Amount				
		1	44,374.73	44,375