Smart Schools Investment Plan - Revised - Smart Schools Investment Plan Phase 2

SSIP Overview

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Institution ID

800000055729

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

Joseph N. Reilly

>   **1B.**   **Please enter their phone number for follow up questions.**
>
>   607-654-3858

>   **1C.**   **Please enter their e-mail address for follow up contact.**
>
>   Reilly.J.N@gmail.com

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

Supplemental submission

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

☑ District Educational Technology Plan Submitted to SED and Approved

4.   **Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.**

By checking the boxes below, you are certifying that you have engaged with those required stakeholders.

☑ Parents

☑ Teachers

☑ Students

☑ Community members

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

☑ Yes

☐ Yes, but they have all since closed, moved out of district or are declining use of SSBA funds

☐ No

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

☑ The district developed and the school board approved a preliminary Smart Schools Investment Plan.

☑ The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.

☑ The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occured

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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.

6B. **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.**

6C. **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.**

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.**

9,000

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.**

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

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

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

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment				

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			

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	Sub-Allocations	Expenditure Totals	Difference
	289,551.00	289,551.00	0.00
Connectivity Projects for Communities	0.00	0.00	0.00
Classroom Technology	956,800.00	956,800.00	0.00
Pre-Kindergarten Classrooms	0.00	0.00	0.00
Replace Transportable Classrooms	0.00	0.00	0.00
High-Tech Security Features	515,839.00	515,839.00	0.00
Nonpublic Loan	0.00	0.00	0.00
Totals:	**1,762,190**	**1,762,190**	**0**

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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.

    Albany currently exceeds this standard. Our current provider guarantees the district has 5 Gpbs and has the abilitiy to increase to 10 Gpbs.

    1B.   **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	8,400	840.00	5000	5000	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.**

    The district has a robust infrastructure for wired and for wireless network connectivity.

    This application is to support the cabling required to support the renovated classrooms at Albany High School. All of the classrooms are being renovated for 21st Century instruction. Each classroom is being equipped with a robust network, both wired and wireless, to support one-to-one learning through the current capital project at the building. In addition, each of these classrooms will be equipped with Interactive displays. These displays will have connections for multiple input sources including HDMI and audio. These permanently

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installed units will provide a reliable teacher workstation in each classroom making the presentation of materials reliable and user friendly.

The estimated labor for this project reflects prevailing regional wages as required by NY Municipal bidding regulations.

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 City School District of Albany wants to ensure that it can support all of its students, teachers, and administrators, with a robust, reliable and secure high-speed network infrastructure for wired and wireless access both within the District and out to the global internet. The District wants to use the Smart Schools Bond funds to continue the network build-out the District has been undertaking for the last five years and to enhance connectivity to the digital world of the internet.

One of the first goals for the original Smart School program was to increase internet connectivity speed to at least 1Gb by July 1, 2016. That has been achieved.

A second goal was the continued implementation of a high-speed 10Gb switching fabric within and between all the wiring closets in all District school buildings. This has required purchasing additional POE network switches. Federal Category 2 E-Rate funds have been used to accomplish this goal.

In this application, the district wishes to complete the upgrade and installation of network cabling as part of Phase 4 of the capital project for Albany High School. This will be used to provide connectivity in the new construction and to under-serviced portions of the existing building. It will also be used for the installation of new wireless access points in the new building construction to support one-to-one learning. It will also be used to support the effort to provide a safe learning environment via the installation of Video Security cameras identified in the High Tech Security component of this application.

Finally, Albany City Schools is equipping all of the new Albany High School classrooms with interactive display boards and the infrastructure to support them. This application includes the interface connections and the multiple cables required to connect 21st century devices to these displays.

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 Albany City Schools Technology Planning team regularly reviews the instructional goals of their buildings, the number of students and staff relying on the network infrastructure, and any bottle necks for student work. To this end, the District closely monitors and manages network traffic to ensure high throughput. In order to meet usage demands with the appropriate level of wireless access, every classroom will have at least one WAP and larger instructional spaces will be outfitted with multiple WAPS. Using Federal Category 2 Erate funds and COVID Relief Funding, the District has continued to enhance the overall network infrastructure. Enhancements have included expanding the wireless network to be able to support ubiquitous access in each building.

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> • WAPs are all up to date.
>
> • Battery backup units (UPS) have been and continue to be regularly replaced
>
> • All network switches continue to be up-to-date
>
> • Wireless Controllers are on a regular refresh schedule.
>
> The District wants to ensure all teachers and students have network access when they need it.

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

7. **Certain high-tech security and connectivity infrastructure projects may be eligible for an expedited review process as determined by the Office of Facilities Planning.**

Was your project deemed eligible for streamlined review?

No

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

Name	License Number

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
		0	0.00	0

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

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
Connections/Components	Multi-media wall box-WMPAC525	55	211.00	11,605.00
Connections/Components	raceways, fitting + supports for cabling	55	114.00	6,270.00

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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
	-			
		66,664	153,474.00	289,551

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment				

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

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

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	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Totals:	**0.00**	**0**	**0**

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	289,551.00
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	**289,551.00**

14. School Connectivity Totals

	Total Sub-Allocations
Total Loanable Items	0.00
Total Non-loanable Items	289,551.00
Totals:	**289,551**

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Community Connectivity (Broadband and Wireless)

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

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).**

4. **Please describe the physical location of the proposed investment.**

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 #

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
		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)

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Community Connectivity (Broadband and Wireless)

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	Sub-Allocation
Totals:	**0.00**

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Classroom Learning Technology

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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.

   Albany currently exceeds this standard. Our current provider guarantees the district has 5 Gpbs and has the ability to increase to 10 Gpbs.

   1B. **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	8,400	840.00	5000	5000	Currently Met

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.

   Using Federal Category 2 Erate funds and COVID Relief Funding, the District has updated and enhanced the overall network infrastructure regularly during the last five years. Enhancements included and continues to include expanding the wireless network to be able to support ubiquitous access in each building. The District has also improved network speeds, reduced wired and wireless access bottlenecks, and improved overall network and system reliability by updating all of the following infrastructure:

   • WAPs are all up to date

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> • Battery backup units (UPS) have been or will be replaced
>
> • All network switches up-to-date
>
> • Wireless Controllers are being updated
>
> The District wants to ensure all teachers and students have wireless access when they need it. To this end, the District closely monitors and manages network traffic to ensure high throughput. In order to meet usage demands with the appropriate level of wireless access, every classroom will have at least one WAP and larger instructional spaces will be outfitted with multiple WAPS.

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.**

> The Classroom Learning Technology being purchased as part of the Albany High School capital project final phase will be supported by up-to-date and new electrical and HVAC systems, as this is the final phase is new construction.
>
> The largest expenditure in this section are the 100 Promethean Interactive Displays and the required mobile carts and adjustable wall mounts. These units will allow the students and teachers to work as peers. They can share information, review student work, and even participate in virtual field trips and visitations. These units only require a 110 volt receptacle that are in every classroom.
>
> There are a number of printers included in this application. The traditional black and white units and additional color units will be strategically placed in the building. Students and teachers enjoy the convenience of digital materials, but often a hard copy is still required. The application also includes Multi-function printer scanners. These units will be included primarily to offer the scanning component. Digital portfolios are a great process for storing student work. These units will allow students to transfer traditional, hard copy projects to digital storage. The only requirement for these units are computer network drops and electric receptacles. These are included in the construction project.
>
> The application includes several 3 dimensional (3D) printers. Students at Albany High School are no longer limited to receiving instruction. They are learning participants. They apply what they are learning and use the 3D printers to test, model, and apply instructional information.
>
> Finally, there will be traditional PC based computers purchased from this application. The use of computers has become the backbone of a twenty-first century classroom. Many of the students have laptops or chromebooks, but traditional desktops are still the backbone at the teacher station or in a lab environment. These units require an electrical outlet and a computer network drop that are included in the construction project.
>
> These devices will have no impact on the HVAC systems of the building.

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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.

Please note: If this plan has been identified as a Remote Learning Plan to be submitted and reviewed on an expedited basis, the district should explain how this plan will facilitate remote and hybrid learning, in lieu of responding to the question above.

The classroom learning technology devices purchased as part of this plan directly correlates to the district's instructional technology plan and provides modern technology to enhance classroom instruction. Implementing interactive panels and new classroom technology will have benefits in enhancing education across different learners within the school district.

Interactive panels will allow our teachers to modify lessons to accommodate different students' needs in the classroom. Additionally, interactive panels increase student engagement by providing a mechanism to collaborate with their instructors, as well as fellow classmates.

The new classroom technology at Albany High School will allow the district to to facilitate a shift to blended learning environments and flipped classrooms. Shifting the instructional delivery model in this manner significantly levels access to curriculum for some of our most challenged populations. Both quantitative data and qualitative reviews expose a significant achievement gap for students in poverty, English as New Language Learners and Students with disabilities.

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.**

The classroom learning technology proposed as part of this plan allows our students to have access to state-of-the-art technology. The combination of the instruction received, coupled with an enhanced technological skill-set will allow our students to be both college and career ready.

Providing new devices in each new classroom and for each teacher will allow the faculty and staff to have immediate and on-going opportunities to communicate as needed with families and/or guardians. The new devices and infrastructure will also allow teachers to

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take advantage of virtual learning opportunities for their students as part of their curriculum, as appropriate.

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."

Please note: If this plan has been identified as a Remote Learning Plan to be submitted and reviewed on an expedited basis, the district should provide a statement confirming that the district has provided or will provide professional development on these devices to its staff, in lieu of responding to the question above.

Technology can facilitate, but the effectiveness of the tools is bound directly to the capacity of staff. Our program will provide training and adequate resources and support to confidently integrate high quality learning technologies into curricula and instruction to ensure effective integration of technology in enhanced learning environments. Elevating the role of technology in the classroom from that of supplement to a core teaching component requires a shift in instructional practices. Such a transition requires centralized, structured teacher support and access to the technology and necessary training. Professional development is the formal means by which we will promote the continuous learning and improvement among educators and educational leaders. Reactive training interventions and standalone workshops cannot keep pace with the formidable standards and mandate-driven development needs. It is clear that efforts need to be coordinated and focused on high priority needs, and that technology must be routinely integrated into the content, delivery, and management of professional development.
 Successful professional development programs should be highly customized, providing solutions that simultaneously build the capacity of the teacher to integrate technology and their comfort to make that technology transport in the instructional delivery. Offerings will be aligned with the ISTE standards for educators and education leaders and serve to build capacity to mastery of these standards.

 The discrete ISTE standards will also be contextualized as to allow them to be presented as part of the broader work of the district. In other words, the integration of the technology skills will make them a natural extension of the district's inherent professional development goals that seek to raise student achievement, enhance the delivery of quality instruction, empower students (and families) in the learning and engage us with the diversity of our community and world around us.
 Understanding that pedagogical practices are at least as important to effective instruction as technical mastery, both elements are essential. Extensive training in both pedagogy and technology are needed through ongoing professional development opportunities. As a district we endeavor to provide both; Standalone professional development sessions, that are skill based, blended with equal opportunities for embedded sessions through coaching. The district employs four (4) full time Technology Coaches as well as at least 12 part-time Technology Coaches who work to provide professional development and on-going embedded support to teachers and staff.

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.

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9B. **Please enter the name of the SUNY or CUNY Institution that you contacted.**

University at Albany

9C. **Enter the primary Institution phone number.**

518-442-5092

9D. **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.**

Dr Virginia Goatley

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
Desktop Computers	Lenovo i5 Tiny Desktop Computers	550	700.00	385,000.00
Interactive Whiteboards	Promethean Active Panel 75	100	3,802.00	380,200.00
Other Costs	High Speed scanner printers Sharp BP-70M90	5	15,000.00	75,000.00
Other Costs	Multi function Sharp B427 printer scanners	5	1,500.00	7,500.00
Other Costs	Classroom Sharp C300P Color Printers	5	1,000.00	5,000.00
Other Costs	Classroom Sharp B&W B350W Printers	5	700.00	3,500.00
Other Costs	Acer V247Y Computer Monitor	550	150.00	82,500.00
Interactive Whiteboards	Promethean Mobile Cart Stands	5	1,220.00	6,100.00

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Interactive Whiteboards	Promethean Height adjustable Mounts	10	600.00	6,000.00
Other Costs	3 Dimension Printers	10	600.00	6,000.00
		1,245	**25,272.00**	**956,800**

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	8,391	1,812	10,203.00	17.76

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	392,300.00	0.00	392,300.00
Computer Servers	(No Response)	0.00	0.00
Desktop Computers	385,000.00	0.00	385,000.00
Laptop Computers	(No Response)	0.00	0.00
Tablet Computers	(No Response)	0.00	0.00
Other Costs	179,500.00	0.00	179,500.00
Totals:	**956,800.00**	**0**	**956,800**

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Pre-Kindergarten Classrooms

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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

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
		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	

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Pre-Kindergarten Classrooms

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	Sub-Allocation
	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
Totals:	**0.00**

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Replace Transportable Classrooms

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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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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.**

   Providing students with a safe and secure learning environment includes multiple components. Building a safe and secure learning environment at an urban location that is the Albany High School makes the priority even higher.

   One of the components in this project is to upgrade the telephone system at Albany High School to a new digital, Voip system. In the old building, the district had a traditional analog system. This system was antiquated, with no security features. The system had areas in the building where service was unreliable and problems frequently occurred. The new system offers the capacity to preload messages that can be delivered to specific areas or the entire building via the handsets. "Shelter in place, or Evacuate the building immediately can be pre-programed to speed information in an emergency situation. It can also display messages on the digital display to limit classroom disruptions. Finally, because this system depends on the computer network, problems can be identified and corrected before there is a crisis and people don't receive a message.

   A second component is the video security system. The system proposed for the building renovation project is a digital system with high resolution cameras. These cameras will offer clear pictures in the event of an emergency or the requirement to reconstruct an incident. 103 cameras will be installed at strategic and vulnerable areas of the building where incidents may occur. In the old building the system was low resolution analog cameras and very limited. The recording server in this project will also be replaced. The new system will allow the district to save all recordings for a minimum of 30 days, and archive specific recordings indefinitely for future reference or legal proceedings.

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
01-01-00-01-0-048-023

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
Richard Peckham	19884

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

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High-Tech Security Features

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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	ditek Corp.: PoE Surge Protection, RJ45, 48 V Protection, 72 V Clamp	18	26.00	468.00
Electronic Security System	Altronix: 6/12/24 Vdc 2.5 A, Switching Power Supply	18	40.00	720.00
Electronic Security System	Altronix: 28 Vac 100 VA 3.57 Amp Transformer	18	50.00	900.00
Electronic Security System	Altronix: Voltage Regulator, 24Vac/dc to 12Vdc @ 1A, with Terminal Block	18	31.00	558.00
Electronic Security System	Avigilon: 2x 5MP H5A Dual Head Outdoor Camera with IR, WDR, NGVA, 3.35-7mm	8	1,586.00	12,688.00
Electronic Security System	Avigilon: 3x 8MP, WDR, LightCatcher, 5.2mm, Camera Only	7	2,193.00	15,351.00
Electronic Security System	Avigilon: 4x 8MP, WDR, LightCatcher, 4mm, Camera Only	5	2,506.00	12,530.00
Electronic Security System	Avigilon: 4MP Indoor Surface Dome, 3.3-9mm f/1.3 P-iris lens, WDR, LC Tech,	69	984.00	67,896.00
Electronic Security System	Avigilon: 5MP Outdoor Bullet, 9-22mm f/1.6 P-iris lens, Integrated IR, WDR, LC Tech, and Next-Gen Analytics	1	1,300.00	1,300.00
Electronic Security System	Avigilon: 8MP Indoor Surface Dome, 4.9-8mm f/1.8 P-iris lens, WDR, LC Tech, D/N,	13	1,358.00	17,654.00
Electronic Security System	Avigilon: ACC 7 Enterprise Camera License	103	280.00	28,840.00
Electronic Security System	Avigilon: 3.5mm A/V Jack w/1.8m Fly Wire	18	16.00	288.00
Electronic Security System	Avigilon: Junction box for the H4A-BO-IR HD Bullet Cameras	1	94.00	94.00
Electronic Security System	Avigilon: Corner Mount Bracket	5	94.00	470.00
Electronic Security System	Avigilon: Surface Mount Adapter, must order (1) H4AMH-DO-COVR1	6	167.00	1,002.00
Electronic Security System	Avigilon: Optional IR Illuminator Ring, up to 30m (100ft), for use w/H4AMH-DO-COVR1	6	345.00	2,070.00
Electronic Security System	Avigilon: Pendant Mount Adapter, must order (1) IRPTZ-MNT-WALL1 or -NPTA1 and (1) H4AMH-DO-COVR1	6	167.00	1,002.00

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High-Tech Security Features

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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	Avigilon: Clear Dome Bubble and Cover for Surface or Pendant Mount	12	167.00	2,004.00
Electronic Security System	Avigilon: Junction Box with side cable entry for H5A Dual Head Camera	8	94.00	752.00
Electronic Security System	Avigilon: Pendant Wall Arm Adapter for use w/H4AMH-AD-PEND1 or H4 IRPTZ	6	99.00	594.00
Electronic Security System	Avigilon: NVR5, Education Series Premium 224TB RAID60, No OS	1	50,905.00	50,905.00
Electronic Security System	Avigilon: 3m (10ft) SFP+ 10GbE Twinax Direct Attach Cable	1	213.00	213.00
Electronic Security System	Avigilon: Single Port PoE Injector Gigabit, 60W, Indoor Install, Temp Range 14-113 deg F	1	157.00	157.00
Electronic Security System	Axis: C1310-E Outdoor IP Horn Speaker, PoE 12.95 W	18	575.00	10,350.00
Electronic Security System	Ditek Corp.: PoE Surge Protection, RJ45, 48 V Protection, 72 V Clamp	7	65.00	455.00
Electronic Security System	Leviton: Surface Mount QuickPort Box, Plenum Rated, 1-Port, White	139	2.00	278.00
Electronic Security System	Leviton: eXtreme Cat 6 QuickPort Jack, White	139	10.00	1,390.00
Electronic Security System	Powersonic: 12 Vdc 7 AH Battery	36	34.00	1,224.00
Electronic Security System	Schneider Electric: 20x20x10	18	183.00	3,294.00
Electronic Security System	Tripp Lite: 1ft Cat6 Gb Snagless Molded UTP Patch Cable, Orange	31	5.00	155.00
Electronic Security System	Tripp Lite: 3ft Cat6 Gb Snagless Molded UTP Patch Cable, Orange	121	6.00	726.00
Electronic Security System	Tripp Lite: 10ft Cat6 Gb Snagless Molded UTP Patch Cable, Orange	123	11.00	1,353.00
Electronic Security System	Louroe: VERIFACT A Ceiling Mount Microphone	18	164.00	2,952.00
Electronic Security System	Microsoft: Windows Server Standard 2022 Licensing, 16 core Licenses, Academic	1	262.00	262.00
Electronic Security System	Microsoft: Windows Server Standard 2022 Licensing, 1 user CAL, Academic	5	9.00	45.00

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High-Tech Security Features

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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	WatchGuard: Panda Adaptive Defense 360 ART, 1-yr, 101 to 500 users	1	61.00	61.00
Electronic Security System	Installation of Video Security Equipment	1	151,079.00	151,079.00
Other Costs	Professional Services for Engineering/Programming	1	37,000.00	37,000.00
Other Costs	Professional Services for Proj Management/Checkout	1	30,531.00	30,531.00
Electronic Security System	Cat 6A Cabling for 101 Ceiling mount speakers	1	8,888.00	8,888.00
Electronic Security System	Cat 6A Cabling for 103 Digital Classrom notification devices	1	8,240.00	8,240.00
Electronic Security System	Cisco Phone - 7841	100	205.00	20,500.00
Electronic Security System	Cisco Phone - 8832	5	1,200.00	6,000.00
Electronic Security System	Cisco Phone - 8841	35	360.00	12,600.00
		1,151	**301,762.00**	**515,839**

6.   **If you have made an allocation for High-Tech Security Features, complete this table.**

Enter each Sub-category Public Allocation based on the the expenditures listed in Table #5.

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	(No Response)
Electronic Security System	448,308.00
Entry Control System	(No Response)
Approved Door Hardening Project	(No Response)
Other Costs	67,531.00
Totals:	**515,839.00**

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Non-Public Schools

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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.**

   Please note: If this plan has been identified as a Remote Learning Plan to be submitted and reviewed on an expedited basis, the district should state that they will reach out to the nonpublic schools upon submission of the application, in lieu of responding to the question above.

   (No Response)

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.

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

   (No Response)

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	8,391			

4. **Nonpublic Loan Calculator**

	Loanable School Connectivity	Loanable Classroom Technology	Additional Nonpublic Loan (Optional)	Estimated Per Pupil Amount - This Plan	Previously Approved Per Pupil Amount(s)	Cumulative Per Pupil Loan Amount	Final Per Pupil Loan Amount - This Plan	Final Total Loan Amount - This Plan
Required Nonpublic Loan	0.00							
Final Adjusted Loan - (If additional loan funds)								

5. **Nonpublic Share**

	Final Per Pupil Amount	Final Nonpublic Loan Amount
Pending and Previously Approved Plans		
This Plan		
Total		

6. **Distribution of Nonpublic Loan Amount by School**

Nonpublic School Name	2018-19 K-12 Enrollment	Special Ed School? If Yes, not eligible
ACADEMY OF HOLY NAMES-UPPER	229	No

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Non-Public Schools

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Nonpublic School Name	2018-19 K-12 Enrollment	Special Ed School? If Yes, not eligible
SCHOOL		
ALBANY ACADEMIES	747	No
ALL SAINTS CATHOLIC ACADEMY	140	No
BISHOP MAGINN HIGH SCHOOL	119	No
BLESSED SACRAMENT SCHOOL	136	No
CASTLE ISLAND BILINGUAL MONTESSORI	13	No
CENTER DISABILITY SERV-ST MARGARET'S		Yes
CENTER FOR DISABILITY SERVICES	160	Yes
FREE SCHOOL	29	No
HEBREW ACADEMY-CAPITAL DISTRICT	64	No
LA SALLE SCHOOL	76	Yes
MAIMONIDES HEBREW DAY SCHOOL	66	No
MATER CHRISTI SCHOOL	167	No
PARSONS CHILD AND FAMILY CENTER	135	Yes
ST ANNE INSTITUTE	54	Yes
ST CATHERINE'S CENTER FOR CHILDREN	55	Yes

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

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