SSIP Overview

Institution ID

800000035746

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

Robert D. Magin

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

315-594-3150

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

rmagin@nrwcs.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. Each box must be checked prior to submitting your Smart Schools Investment Plan.

☑   Parents
☑   Teachers
☑   Students
☑   Community members

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

☑   Yes
☐   No
☐   N/A

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

☑   The district developed and the school board approved a preliminary Smart Schools Investment Plan.
☑   The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.
☑   The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occured as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.
☑   The district prepared a final plan for school board approval and such plan has been approved by the school board.
☑   The final proposed plan that has been submitted has been posted on the district's website.

Smart Schools Investment Plan - 2016-17 Version (Original) - Resubmitted March 19, 2019

SSIP Overview

5a. **Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.**

Preliminary SSIP NORTH ROSE-WOLCOTT CSD.pdf

5b. **Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.**

https://www.nrwcs.org/Page/2187

6. **Please enter an estimate of the total number of students and staff that will benefit from this Smart Schools Investment Plan based on the cumulative projects submitted to date.**

1,550

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

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

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

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

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

(No Response)

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

$1,484,019

11. **Enter the budget sub-allocations by category that you are submitting for approval at this time. If you are not budgeting SSBA funds for a category, please enter 0 (zero.) If the value entered is $0, you will not be required to complete that survey question.**

	Sub-Allocations
School Connectivity	900,000
Connectivity Projects for Communities	0
Classroom Technology	168,171
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	415,017
Totals:	**1,483,188**

Smart Schools Investment Plan - 2016-17 Version (Original) - Resubmitted March 19, 2019

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 currently exceeds the Federal Communications Commission minium speed standard for a student population of 1200. We meet this requirement with contracted services purchased through GVEP and WFL BOCES.

   1a. **If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.**

   ☐   By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. **Connectivity Speed Calculator (Required)**

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	1,200	120,000	120	200	300	Already meet this requirement

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

   NRW is planning on upgrading the fiber optic cable plant within each building from 62.5 micron multi-mode fiber to the new standard, 50 micron multi-mode fiber to guarantee network speeds of 10 Giga bits minimally, between ALL internal network closets and ALL Buildings.
   NRW will be upgrading the existing HP wireless controller and 802.11 (N) access points to the latest standard 802.11 (AC) access points.
   NRW will continue the existing path of installing/replacing, network copper cabling from Cat5 to Cat 6A to ensure bandwidths of 10 GB's to the desktops and access points as needed.

___

4. **Describe the linkage between the district's District Instructional Technology Plan and the proposed projects. (There should be a link between your response to this question and your response to Question 1 in Part E. Curriculum and Instruction "What are the district's plans to use digital connectivity and technology to improve teaching and learning?)**

The NRW school district has purchased additional 1:1 devices such as Chrome Books over the past few years, in an effort to give students as much access as possible to technology. The district has offered many trainings with regard to using technology in the classroom to enhance instruction. NRW is implementing a personalized learning initiative starting this year, part of which is integration of digital content. Teachers will be receiving training regarding personalized learning all year. The goal of this initiative is to first and foremost increase student achievement, but also to provide targeted, individualized instruction and help students take more ownership over their learning. The District seeks to move in the direction of 1:1 devices for all students over the course of the next 3 years.

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.

A) Having implemented and maintained the first wireless solution district wide in our area, going back to the early wireless standards of 802.11 (a/b/g), and then upgrading to 802.11 (n), NRW has learned that placement , type and numbers of, access points is critical. We have gathered and studied our existing wireless controller over time and learned from its "statistics" where we need additional coverage/thru put. As the wireless standard has moved forward we have learned over time that as the speeds increase the coverage "area" decreases, thus the need to install AP's in all areas and then letting the new wireless controller, balance out as needed all AP's and clients for optimal performance and thru put as needed

B) To ensure excellent wireless coverage, NRW will be installing 2, Cat 6A copper cables for wireless AP's to every classroom and office area, as well as all large group instruction areas, ie, Libraries/Gym's/LGI's, this will ensure that the connection/uplink to any new access point in the future will be capable of speeds up to 10 GB's.

C) 802.11ac wave 2 access points will be installed and in large group instructional areas, highest performance and capacity (802.11ac), Wave2, 4 stream, 4x4 MIMO (multiple input-multiple output) Access points will be installed to ensure performance and thru put, for future online testing and BYOD (Bring Your Own Device), demands of faculty and students. Minimum, AP's will have 3 spatial streams 3X3 with MIMO.

D) A wireless site survey will not be needed as we will be adding new access points in every room and in every large group/instruction area as well as any outdoor instruction area, to ensure excellent wireless coverage for all students and faculty.

6. **As indicated on Page 5 of the guidance, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects.**
Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
65-15-01-06-0-001-016

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
Joseph Kosiorek	30219274

9. **If you are submitting an allocation for School Connectivity complete this table.**

Smart Schools Investment Plan - 2016-17 Version (Original) - Resubmitted March 19, 2019

School Connectivity

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	178,000
Outside Plant Costs	(No Response)
School Internal Connections and Components	722,000
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	**900,000**

10. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be eligible for tax-exempt financing to be reimbursed through the SSBA. Sufficient detail must be provided so that we can verify this is the case. If you have any questions, please contact us directly through smartschools@nysed.gov.**
    NOTE: Wireless Access Points should be included in this category, not under Classroom Educational Technology, except those that will be loaned/purchased for nonpublic schools.
    Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Connections/Components	LAN Fiber Backbone: OM-4, 24-strand, 50 micron Multimode	4	16,250	65,000
Connections/Components	LAN Computer Equipment Room (CER) Buildouts	3	50,000	150,000
Network/Access Costs	LAN Distribution Switch: Chassis w/UTP, Fiber, Manager	1	75,000	75,000
Network/Access Costs	LAN Switches: 48-PORT 10G/1G/100M	24	4,292	103,000
Connections/Components	WiFi Controller w/ Management Software	1	30,000	30,000
Connections/Components	WAPs - IEEE 802.11ac, Dual Radios w/bracket	52	1,250	65,000
Connections/Components	LAN Data Drops: UTP Cat 6A w/15 year channel warranty	800	515	412,000

Smart Schools Investment Plan - 2016-17 Version (Original) - Resubmitted March 19, 2019

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. **If you are submitting an allocation for Community Connectivity, complete this table.**
   Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Network/Access Costs	(No Response)
Outside Plant Costs	(No Response)
Tower Costs	(No Response)
Customer Premises Equipment	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	**0**

7. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.**
   Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Smart Schools Investment Plan - 2016-17 Version (Original) - Resubmitted March 19, 2019

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.

   The District currently exceeds the Federal Communications Commission minimum speed standard for a student population of 1200. We meet this requirement with contracted services purchased through GVEP and WFL BOCES.

   1a. **If a district believes that it will be impossible to meet this standard within 12 months, it may apply for a waiver of this requirement, as described on the Smart Schools website. The waiver must be filed and approved by SED prior to submitting this survey.**

   ☐ By checking this box, you are certifying that the school district has an approved waiver of this requirement on file with the New York State Education Department.

2. **Connectivity Speed Calculator (Required)**

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	1,200	120,000	120	200	300	Already meet the minimum requirement

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.

    1. Having installed and maintained 3, wireless solutions/standards over the last 10 years or so, NRW has learned over time what solutions work. We have also partnered/worked with our local RIC (Wayne Finger Lakes BOCES), who s input has been valuable since they have helped other schools install Wi-Fi and they have seen firsthand what solutions that may have worked well and others that may have not. Cat 6A cabling has been already installed, one in each classroom to ensure 10GB speed to all new AP s over copper.All Network switches will be installed and are being installed with the latest PoE standard 802.3at, (Power over Ethernet Plus), ensures that the demands for power from all access points will be adequate. All Network switches will be installed and are being installed in the high school building with client up link speeds capable of 1GB and uplinks from switch to core switch speeds of 10 GB s, each 48 port switch will have its own 10 GB connection back to core switch.All servers will have uplinks to core switch speeds of 10GB sA new SAN (Storage Area Network) is being implemented which is a high speed network of storage devices that many servers connect to as well as upgrades to the Active Directory (Microsoft) server operating system All access points will have 1GB connections to switch. 6A cabling has been installed or will be installed to ensure when future AP s come with a 10 GB uplink port NRW will be ready to use it as needed. All new access points will be at the 802.11 ac, wave 2 standard, featuring up to 4, spatial streams, allowing more signals being transmitted simultaneously, MU-MIMO (multi user multiple input multiple output) which will allow an AP to transmit individual data streams to multiple different clients. Wave 2 data rates will be about 2.5 Gbps All building internal wire closets are being upgraded with the latest fiber optic standards (50 micron multimode fiber (laser enhanced) to ensure maximum thru put and performance as well as saving on network electronics for current and future network upgrades since the new fiber will work fine with Less expensive transceivers, saving cost of ownership over time for current and future network upgrades.

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.**

    As part of the Capital Improvement Project the District is upgrading the MEP infrastructure throughout the Middle School building. The district will purchase ten 84-inch interactive Touch Screen Displays and A-V Wiring for HDMI, USB, Mini-Stereo and Soundfields. All building mechanical and electrical infrastructure will be replaced by the Capital Improvement Project and has been designed to meet the requirement of the planned platforms systems.

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?"

   NRW s mission is to prepare each student for a successful future. In order to achieve this mission, high quality tier 1 instruction must be provided to all students in a way that they are able to access it. Technology serves as a tool for not only students with disabilities but other struggling learners to access instruction at their level and provides different opportunities for students to demonstrate their learning, outside of paper/pencil. Students with disabilities in the district are regularly provided with augmentative communication devices, access to desktop computers, as well as access to tablets such as Chrome Books. The goal with the touch screens would be to make learning more active for ESL students; to get them up and moving and also interacting with one another. Additionally, we know that our ESL students need a lot of visual support and context to be built in order for them to access the general curriculum so the interactive board will support that as well. Our personalized learning initiative calls for the incorporation of more digital content and this would be a tool that we can use in order to do that. Part of the district personalized learning initiative is to incorporate digital content into our instruction, as we know this is something that students interact with on a regular basis. The devices would allow for greater use of digital content, as well has being a tool that students can use to further their own learning, with the teacher acting as a facilitator.

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.**

   Providing teachers and staff with additional tools for parent communication will increase staff use of applications such as Class Dojo and Remind101, which can give parents personalized information about their child as well as general reminders such as school pictures, field trips, and upcoming tests. Smart Boards and laptops currently serve as a tool for distance learning.

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."

Professional development beliefs of the North Rose-Wolcott Central School District:
• Teachers matter. Quality instruction has the largest influence on student achievement.
• It is the obligation of the school community to create safe and caring learning environments and engage students in relevant, reachable, quality work experiences that challenge them to learn more, at higher levels with a deeper understanding (rigor).
• The work of educators is demanding and complex. Educators must have an adaptive style in order to meet the variety of challenges and needs of NRW students.
• Teachers and administrators are not expected to do this work in isolation. Both need the support of collegial learning teams that problem solve and learn together.
• Leaders matter:
• Their clarity, their intentionality, what they believe, think, and communicate make a significant difference in increasing student achievement.
• They are primary architects of embedded professional development through the development of the School Improvement Plan (SIP).
• The most powerful professional development is teacher-to-teacher learning that happens as close to the work with students in classrooms as possible.
• Coaching and well-functioning collaborative teams are powerful tools to accomplish ongoing, meaningful professional learning.
• Workshops, courses, conferences, and other outside resources are additional supports to ongoing professional learning.
• Measuring and assessing professional learning is essential to its design, delivery, and ongoing adjustment, in order to be most responsive to staff and student learning.
• Budgeting at both the District and building level is required to create and sustain ongoing, powerful professional development. A major initiative in the NRW school district for 2017-18 and beyond is personalized learning, the goal of which is to provide individualized, targeted instruction to student to best meet their needs and increase student achievement results. Part of PL includes integration of digital content. The District will be providing training around use of specific devices such as laptops, Chromebooks, and iPads, as well as the following programs: -Google Classroom-Renaissance Learning-LinkIt!-Windows10-SchoolTool-IXL

Training is provided during Superintendent s Conference Days, Faculty Meetings, paid experiences outside the school day, and during release time. The district s instructional technology specialist provides on-site 1:1 assistance to teachers in the classroom, in addition to facilitating trainings.

9. **Districts must contact the SUNY/CUNY teacher preparation program that supplies the largest number of the district's new teachers to request advice on innovative uses and best practices at the intersection of pedagogy and educational technology.**

    ☑ By checking this box, you certify that you have contacted the SUNY/CUNY teacher preparation program that supplies the largest number of your new teachers to request advice on these issues.

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

    SUNY Oswego

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

    315-312-4061

    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.**

    Marcia Burrell

10. A district whose Smart Schools Investment Plan proposes the purchase of technology devices and other hardware must account for nonpublic schools in the district.

    Are there nonpublic schools within your school district?

    ☒ Yes

    ☐ No

10a. **Describe your plan to loan purchased hardware to nonpublic schools within your district. The plan should use your district's nonpublic per-student loan amount calculated below, within the framework of the guidance. Please enter the date by which nonpublic schools must request classroom technology items. Also, specify in your response the devices that the nonpublic schools have requested, as well as in the in the Budget and the Expenditure Table at the end of the page.**

    There are two Amish schools located within our district. They are both declining use of funds per Marilyn Barr/Samuel Miller.

10b. **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.

11. **Nonpublic Classroom Technology Loan Calculator**

    The Smart Schools Bond Act provides that any Classroom Learning Technology purchases made using Smart Schools funds shall be lent, upon request, to nonpublic schools in the district. However, no school district shall be required to loan technology in amounts greater than the total obtained and spent on technology pursuant to the Smart Schools Bond Act and the value of such loan may not exceed the total of $250 multiplied by the nonpublic school enrollment in the base year at the time of enactment.

    See:

    http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf.

	1. Classroom Technology Sub-allocation	2. Public Enrollment (2014-15)	3. Nonpublic Enrollment (2014-15)	4. Sum of Public and Nonpublic Enrollment	5. Total Per Pupil Sub-allocation	6. Total Nonpublic Loan Amount
Calculated Nonpublic Loan Amount	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

12. **To ensure the sustainability of technology purchases made with Smart Schools funds, districts must demonstrate a long-term plan to maintain and replace technology purchases supported by Smart Schools Bond Act funds. This sustainability plan shall demonstrate a district's capacity to support recurring costs of use that are ineligible for Smart Schools Bond Act funding such as device maintenance, technical support, Internet and wireless fees, maintenance of hotspots, staff professional development, building maintenance and the replacement of incidental items. Further, such a sustainability plan shall include a long-term plan for the replacement of purchased devices and equipment at the end of their useful life with other funding sources.**

    ☒ By checking this box, you certify that the district has a sustainability plan as described above.

13. **Districts must ensure that devices purchased with Smart Schools Bond funds will be distributed, prepared for use, maintained and supported appropriately. Districts must maintain detailed device inventories in accordance with generally accepted accounting principles.**

    ☒ By checking this box, you certify that the district has a distribution and inventory management plan and system in place.

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

    Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

Smart Schools Investment Plan - 2016-17 Version (Original) - Resubmitted March 19, 2019

Classroom Learning Technology

	Sub-Allocation
Interactive Whiteboards	68,171
Computer Servers	(No Response)
Desktop Computers	(No Response)
Laptop Computers	(No Response)
Tablet Computers	(No Response)
Other Costs	100,000
Totals:	**168,171**

15. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.**

    Please specify in the "Item to be Purchased" field which specific expenditures and items are planned to meet the district's nonpublic loan requirement, if applicable.

    NOTE: Wireless Access Points that will be loaned/purchased for nonpublic schools should ONLY be included in this category, not under School Connectivity, where public school districts would list them.

    Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Interactive Whiteboards	84-inch Interactive Touch Screen Displays	10	6,817	68,171
Other Costs	A-V Wiring: HDMI, USB, Mini-Stereo, Soundfield	40	2,500	100,000

1. **Provide information regarding how and where the district is currently serving pre-kindergarten students and justify the need for additional space with enrollment projections over 3 years.**

(No Response)

2. **Describe the district's plan to construct, enhance or modernize education facilities to accommodate pre-kindergarten programs. Such plans must include:**

   - Specific descriptions of what the district intends to do to each space;
   - An affirmation that pre-kindergarten classrooms will contain a minimum of 900 square feet per classroom;
   - The number of classrooms involved;
   - The approximate construction costs per classroom; and
   - Confirmation that the space is district-owned or has a long-term lease that exceeds the probable useful life of the improvements.

(No Response)

3. **Smart Schools Bond Act funds may only be used for capital construction costs. Describe the type and amount of additional funds that will be required to support ineligible ongoing costs (e.g. instruction, supplies) associated with any additional pre-kindergarten classrooms that the district plans to add.**

(No Response)

4. **All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Districts that plan capital projects using their Smart Schools Bond Act funds will undergo a Preliminary Review Process by the Office of Facilities Planning.**

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

Project Number
(No Response)

5. **If you have made an allocation for Pre-Kindergarten Classrooms, complete this table.**
   Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct Pre-K Classrooms	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
Totals:	**0**

6. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.**
   Add rows under each sub-category for additional items, as needed.

Pre-Kindergarten Classrooms

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

Smart Schools Investment Plan - 2016-17 Version (Original) - Resubmitted March 19, 2019

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. **If you have made an allocation for Replace Transportable Classrooms, complete this table.**

Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Construct New Instructional Space	(No Response)
Enhance/Modernize Existing Instructional Space	(No Response)
Other Costs	(No Response)
Totals:	**0**

5. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.**

Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

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.**

   We plan to use the SSBA funds to install high tech security features such as, CCTV, cameras systems, emergency paging and notification systems and access control systems.

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
65-15-01-06-0-001-016

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
Joseph Kosiorek	30219274

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

   Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	0
Electronic Security System	353,334
Entry Control System	0
Approved Door Hardening Project	0
Other Costs	61,683
Totals:	**415,017**

6. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.**

   Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Other Costs	Professional Services for Engineering/Programming/Proj	1.00	61,683	61,683

Smart Schools Investment Plan - 2016-17 Version (Original) - Resubmitted March 19, 2019

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
	Management/Checkout			
Electronic Security System	Installation	1.00	138,437	138,437
Electronic Security System	2N: External IP Relay, 4 Outputs, PoE	1.00	215	215
Electronic Security System	Advanced Network Devices: Double-Sided Clock with Flashers, 2-way Audio, PoE/SIP, SS construction, Includes Wall Bracket	11.00	1,470	16,170
Electronic Security System	Advanced Network Devices: IP Clock with Flashers (Large), 2-way Audio, PoE/SIP, 22" long overall, SS construction, Includes Enclosure	1.00	1,127	1,127
Electronic Security System	Advanced Network Devices: IP Clock with Flashers (Small), 2-way Audio, PoE/SIP, 18" long overall, SS construction, Includes Enclosure	54.00	931	50,274
Electronic Security System	Advanced Network Devices: IP Extra Large Signboard with Flashers, 2-way Audio, PoE/SIP, 54" long overall, SS construction, Includes Enclosure	2.00	1,568	3,136
Electronic Security System	Advanced Network Devices: IP Outdoor Paging Horn (Surface Mount), 1-Way Audio, PoE/SIP, Includes IP54 Rated Enclosure	9.00	588	5,292
Electronic Security System	Advanced Network Devices: IP Speaker Audio Only (Surface Mount), 2-way Audio, PoE/SIP, Includes Enclosure	19.00	441	8,379
Electronic Security System	Alarm Controls: UNDER COUNTER DOOR RELEASE BUTTON, MOMENTARY SPDT, 28VDC 4A RATING	4.00	26	106
Electronic Security System	Avigilon: 2-Reader Interface Module, 8 In, 4 Out, RS485 Out, 12-24 Vdc (Mercury MR1502)	1.00	1,034	1,034
Electronic Security System	Avigilon: 2-Reader Interface Module, Mag or Wiegand, 8 In, 6 Rlys (Mercury MR52)	2.00	570	1,139
Electronic Security System	Avigilon: 3.0 Megapixel WDR, LightCatcher, Day/Night, Surface Indoor Dome, 3-9mm f/1.3 P-iris lens, Self-Learning Video Analytics	26.00	747	19,431
Electronic Security System	Avigilon: 3x 3 MP, Pendant Multisensor Camera, 2.8-8mm f/1.3, B	1.00	1,678	1,678

Smart Schools Investment Plan - 2016-17 Version (Original) - Resubmitted March 19, 2019

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
	series for use with CM-MT-WALL1			
Electronic Security System	Avigilon: 5.0 Megapixel, LightCatcher, 4.3-8mm f/1.8 P-iris lens, Integrated IR, Self-Learning Video Analytics	2.00	1,034	2,067
Electronic Security System	Avigilon: 5K (16 MP) H.264 HD Pro with LightCatcher Technology	2.00	6,713	13,425
Electronic Security System	Avigilon: ACC 5 Enterprise license for up to 1 camera channels and unlimited viewing clients	32.00	302	9,648
Electronic Security System	Avigilon: Access Control Manager License for Video Integration for Avigilon (per Appliance)	1.00	0	0
Electronic Security System	Avigilon: Badging Application Software License, 1 per Appliance	1.00	746	746
Electronic Security System	Avigilon: Corner mount adapter for use with H4A-MT-WALL1, H4-BO-JBOX1 or HD Bullet Camera	1.00	81	81
Electronic Security System	Avigilon: Enterprise Web-Based PACS Harware Appliance for 16 Readers	1.00	2,983	2,983
Electronic Security System	Avigilon: Junction box for the H4A-BO-IR HD Bullet Cameras	2.00	81	161
Electronic Security System	Avigilon: Large Format Enclosure for HD IP Pro Cameras with 12VDC/24VAC Heater, Wall Bracket and Sunshield, Max combined camera and lens length is 12.8" (32.5 cm)	2.00	371	743
Electronic Security System	Avigilon: Optional PoE+ power module, Powers full camera enclosure features & camera with a single Ethernet connection	2.00	210	421
Electronic Security System	Avigilon: Pendant Wall Arm (needs H4F-MT-NPTA1)	1.00	63	63
Electronic Security System	Avigilon: Reinforcing wall mount adapter for ES-HD-HWS-SM, ES-HD-HWS, ES-HD-CWS, ES-HD-HWS-LG & ES-HD-CWS-LG	2.00	36	72
Electronic Security System	Avigilon: Sigma, 35mm, f/1.4, Auto-Iris	2.00	1,857	3,714
Electronic Security System	Avigilon: Single port Gigabit 802.3at PoE Plus injector, Class 4 - NA power cord	16.00	68	1,080
Electronic Security Cystem	Axis: A8004-VE IP Video Door Station, 2-way Communication w/Remote Entry	1.00	1,224	1,224

Smart Schools Investment Plan - 2016-17 Version (Original) - Resubmitted March 19, 2019

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
	Control			
Electronic Security System	Barix: Universal, programmable I/O device server with web server, Modbus/TCP and SNMP support, Serial ports, digital I/O	1.00	270	270
Electronic Security System	Black Box: GigaTrue Cat6 Patch Panel, 48 Port, 2U, Universal Wiring, Component Level	3.00	457	1,371
Electronic Security System	Blue Mic: Yeti USB Microphone, Space Gray	2.00	181	363
Electronic Security System	Bosch: PASSIVE INFRARED REX, 12 TO 30VDC, 26MA, SURFACE MOUNT, FORM C CONTACTS	5.00	61	307
Electronic Security System	Bosch: Trim Plate for Mounting DS160 REX	5.00	1	7
Electronic Security System	Day Automation: 1 in. Recessed Door Contact with 2k Ohm Embedded Resistors, Wide-Gap, N.C. Loop	11.00	19	212
Electronic Security System	Day Automation: 1 in. Recessed Door Contact, Wide-Gap, N.C. Loop	7.00	13	93
Electronic Security System	Day Automation: Access/HVAC CP, 24	1.00	779	779
Electronic Security System	Day Automation: Exterior IP Camera Termination Kit	14.00	98	1,377
Electronic Security System	Day Automation: Interior IP Camera Termination Kit	113.00	27	3,103
Electronic Security System	Day Automation: Network Video Server, 2U Rack Mount, 54 TB, and Academic Licensing, Includes application configuration services.	2.00	13,244	26,489
Electronic Security System	Day Automation: SAS CP, 12	2.00	405	811
Electronic Security System	Day Automation: Security Lockdown Kit, Button with Shield, Back Box, Adapter, and Lockdown Label	1.00	481	481
Electronic Security System	Functional Devices: RIB Rly, 10 Amp, SPDT, 10-30 Vac/dc/120 Vac Coil	5.00	15	76
Electronic Security System	GHP: power supply	2.00	292	584
Electronic Security System	GHP: SFP	5.00	642	3,211
Electronic Security System	HID: Blank PVC Cards, White, 30 mil CR-80, 500-pack	1.00	43	43
Electronic Security System	HID: Fargo Cleaning Kit for DTC Printers	4.00	32	128

Smart Schools Investment Plan - 2016-17 Version (Original) - Resubmitted March 19, 2019

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	HID: Fargo DTC4250e Dual Sided Badge Printer	1.00	3,119	3,119
Electronic Security System	HID: Fargo YMCKOK Ribbon, 200 prints	4.00	80	320
Electronic Security System	HID: iClass/multiClass SE R40/RP40 Reader, HID Prox, Legacy, Wiegand, Black	5.00	254	1,268
Electronic Security System	HID: IsoProx II Cards, PVC, Prog, White, Seq Matching Int/Ext Engraved, NSP, 26b, 100-pack	4.00	457	1,829
Electronic Security System	HP: HP 24G Network switch	1.00	3,428	3,428
Electronic Security System	HP: Network switch	1.00	785	785
Electronic Security System	HP: SFP	2.00	496	993
Electronic Security System	HP: SFP	8.00	496	3,971
Electronic Security System	HP : HP 48 port 10/100 switch	4.00	1,496	5,984
Electronic Security System	Insignia: 2.0 Stereo Computer Speaker System (2-piece), Black	1.00	21	21
Electronic Security System	Microsoft: LifeCam Studio 1080p HD Webcam, for Badging	1.00	71	71
Electronic Security System	Samson: Go Mic Portable USB Microphone with Software	1.00	57	57
Electronic Security System	Singlewire: InformaCast Advanced Notification - Endpoint Licensing - 250 License Bundle (includes first 90 Days of maintenance)	1.00	8,910	8,910
Electronic Security System	Sunpak: 6601UT Tripod with 3-Way Pan/Tilt Head (Quick Release) - Supports 4.4 lb (2 kg)	1.00	27	27