

## Smart Schools Investment Plan - 2016-17 Version (Original) - Smart Schools Bond Act 2019

SSIP Overview

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## Institution ID

800000051247

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

Joseph Reilly

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

607-654-3858

**1b. 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.**

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 occurred as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.☒ The district prepared a final plan for school board approval and such plan has been approved by the school board.☒ The final proposed plan that has been submitted has been posted on the district's website.

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## 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.

SSIP Prelim 2.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.

www.alexandriacentral.org/Page/1215

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.

650

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:

\$417,776

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	19,350
Connectivity Projects for Communities	0
Classroom Technology	0
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	380,539
<b>Totals:</b>	<b>399,889</b>

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## School Connectivity

1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that:
  - sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or
  - is a planned use of a portion of Smart Schools Bond Act funds, or
  - is under development through another funding source.

Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

1. Specifically codified in a service contract with a provider, and
2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

Alexandria Central meets the 100 Mbps per 1,000 students. Our current speed is 1 gbps per 600 students. The district intends to continue to increase the technology infrastructure to meet future demands. In doing so, our proposal includes updating an existing server to ensure our infrastructure is able to support increased connectivity.

- 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	535	53,500	53.5	1gbps	1 gbps	current

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

Smart schools funds will be used to upgrade the network access server which allows for authentication to access wireless access points throughout the building and where wireless is available outside of the building. This will support the use of one-to-one devices including a "bring your own."

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## School Connectivity

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?)**

Alexandria Central School is dedicated to preparing students to be successful in our ever-changing society. To accomplish this, students must understand and incorporate technology into their daily lives. Educators at Alexandria work with students to model and teach transferable skills to help them be life-long learners. The district has developed clear roles and grade-level expected competency levels. Staff is provided ongoing professional development in the use of appropriate technology through partnerships with TEQ, work with the Regional Information Center, Model Schools, and in-house collaboration. The district is committed to increasing the number of productivity and internet capable technological devices for student, teacher and classroom use.

Alexandria Central School has already met one of our major goals outlined in our technology plan. All students in grades 2-12 currently have access to an internet capable computing device throughout the day. Students in grades Pre-K through one have access to shared devices. The district will continue to upgrade and refresh 500 internet capable computing devices for 1-1 student use outside of smart schools funds.

The increase in the ratio of students to devices allows students more time to become expert technology users. By providing each student constant access to technology, lessons that use computer-based resources become part of the daily practice for the students and teachers. These devices may include interactive whiteboards, desktop computers, laptop devices, Chromebooks, or iPads.

In order to ensure that the internet capable devices are able to access the internet, there has been new cabling and wireless access points installed throughout the district. The district has previously set up a google domain, which allows students free school-wide access to cloud-based productivity tools such as Google Docs and Sheets.

In order to continue providing fast, reliable connectivity to all district clients, the district must upgrade certain servers. Currently, the districts will have to upgrade a network access server which provides authentication to all potential users before accessing district wifi. With a new server in place, the district can continue to provide a 1-1 environment that is reliable, fast, and safe.

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.**

Alexandria Central Schools formed a study committee that included the network administrators, building administrators, the Superintendent of Schools, and planning specialists from the Mohawk Regional Information Center. They evaluated the building spaces and their instructional goals for technology. They developed a plan to upgrade and expand the network infrastructure using Federal Erate funds, BOCES COSER projects, and Smart Schools funds.

Currently, Alexandria Central School has an external connection of 1 gigabyte per second, and a 10-gigabyte internal connection. The wireless network consists of forty 802.11 AC access points. Current enrollment is 535 students in Pre-K through 12th grade and an instructional staff of 52.

The district is using Federal Erate funds to continue to upgrade internal cables and network hardware.

Alexandria Central proposes using Smart Schools funds to purchase a Network Access Server.

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
22-02-02-04-7-999-BA1
22-02-02-04-7-999-001

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

**Was your project deemed eligible for streamlined review?**

Yes

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## School Connectivity

- 7a. Districts that choose the Streamlined Review Process will be required to certify that they have reviewed all installations with their licensed architect or engineer of record and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

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

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

Name	License Number
James R. King	15925

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

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

	Sub-Allocation
Network/Access Costs	19,350
Outside Plant Costs	0
School Internal Connections and Components	0
Professional Services	0
Testing	0
Other Upfront Costs	0
Other Costs	0
<b>Totals:</b>	<b>19,350</b>

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](mailto: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
Network/Access Costs	HPE Aruba ClearPass Policy Manager C1000 - security appliance	1	4,200	4,200
Network/Access Costs	HPE Aruba ClearPass New Licensing Access - 1000 concurrent users	1	12,500	12,500
Network/Access Costs	HPE Foundation Care Software 24x7 - - for Aruba C	1	1,450	1,450
Network/Access Costs	HPE Foundation Care Next Business Day Exchange Service - extended	1	1,200	1,200

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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
	service			

## Smart Schools Investment Plan - 2016-17 Version (Original) - Smart Schools Bond Act 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	0
Outside Plant Costs	0
Tower Costs	0
Customer Premises Equipment	0
Professional Services	0
Testing	0
Other Upfront Costs	0
Other Costs	0
<b>Totals:</b>	<b>0</b>

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](mailto: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)

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## Classroom Learning Technology

1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or is a planned use of a portion of Smart Schools Bond Act funds, or is under development through another funding source. Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:

1. Specifically codified in a service contract with a provider, and
2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.

(No Response)

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

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

2. Connectivity Speed Calculator (Required)

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

3. If the district wishes to have students and staff access the Internet from wireless devices within the school building, or in close proximity to it, it must first ensure that it has a robust Wi-Fi network in place that has sufficient bandwidth to meet user demand.

Please describe how you have quantified this demand and how you plan to meet this demand.

(No Response)

4. All New York State public school districts are required to complete and submit an Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations.

Districts that include educational technology purchases as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

☐ By checking this box, you are certifying that the school district has an approved Instructional Technology Plan survey on file with the New York State Education Department.

5. Describe the devices you intend to purchase and their compatibility with existing or planned platforms or systems. Specifically address the adequacy of each facility's electrical, HVAC and other infrastructure necessary to install and support the operation of the planned technology.

(No Response)



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Classroom Learning Technology

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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?"

(No Response)

7. Where appropriate, describe how the proposed technology purchases will enhance ongoing communication with parents and other stakeholders and help the district facilitate technology-based regional partnerships, including distance learning and other efforts.

(No Response)

8. Describe the district's plan to provide professional development to ensure that administrators, teachers and staff can employ the technology purchased to enhance instruction successfully.

Note: This response should be aligned and expanded upon in accordance with your district's response to Question 1 of F. Professional Development of your Instructional Technology Plan: "Please provide a summary of professional development offered to teachers and staff, for the time period covered by this plan, to support technology to enhance teaching and learning. Please include topics, audience and method of delivery within your summary."

(No Response)

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

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

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

(No Response)

- 9b. Enter the primary Institution phone number.

(No Response)

- 9c. Enter the name of the contact person with whom you consulted and/or will be collaborating with on innovative uses of technology and best practices.

(No Response)

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

Are there nonpublic schools within your school district?

- ☐ Yes  
☐ No

11. Nonpublic Classroom Technology Loan Calculator
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## Classroom Learning Technology

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](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.

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

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](mailto: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.

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**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) - Smart Schools Bond Act 2019

## Pre-Kindergarten Classrooms

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

(No Response)

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

- Specific descriptions of what the district intends to do to each space;
- An affirmation that 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	0
Enhance/Modernize Educational Facilities	0
Other Costs	0
<b>Totals:</b>	<b>0</b>

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](mailto:smartschools@nysed.gov).  
Add rows under each sub-category for additional items, as needed.

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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
(No Response)	(No Response)	(No Response)	(No Response)	(No Response)

## Smart Schools Investment Plan - 2016-17 Version (Original) - Smart Schools Bond Act 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.

N/A

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	0
Enhance/Modernize Existing Instructional Space	0
Other Costs	0
<b>Totals:</b>	<b>0</b>

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](mailto: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) - Smart Schools Bond Act 2019****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.**

A secure school allows the students to focus on learning and succeeding. Providing a secure learning environment is the product of multiple components.

The first component that Alexandria Central School wishes to address is their Emergency Classroom Communication. The current analog system is based on an archaic design using single service analog phones. The district is proposing an upgrade to a digital system based on the districts IP network.

There are several advantages to the IP based system. The first is that the system relies on the same network infrastructure that the computer network relies on. Frequently, the old system has individual units that fail for a number of reasons. The biggest problem with failure is that you don't know that it is broken until you try to use it. This computer network system currently has a 99.9 reliability factor. In addition, the network administrator is notified automatically when a component fails. No longer will emergency messages fail to be delivered because of a long existing hardware issue.

A second benefit is that the digital system allows the district and building administration to send preloaded emergency messages to single phones, groups of phones or all phones in the district. In the event of an intruder or a weather emergency, the administration can immediately notify everyone without having to laboriously dial each and ever classroom on the system. Additionally, the units proposed on this system has a digital display.

While it normally displays a time or the source of a call, in an emergency, the district could scroll messages on the display. Perhaps a message could scroll saying "due to inclement weather, Alexandria Central School will dismiss at 2 PM today. The instructor or support staff would get the message, but the students wouldn't be notified until an appropriate time. Finally, with the existing system, a user has the capacity to call 9-11 in an emergency. The main office will know that a student or teacher has an emergency. They can notify all appropriate staff and be prepared for the emergency responders before they arrive.

Alexandria Central School is a rural school. In the event of a power outage, the emergency notification system, the door security and the video security systems shuts down leaving the building and the students vulnerable and unsafe. In addition, the VoIP phone system would shut down. A back up power supply to support the building security is essential.

The last project is the door lock replacement. The current system allows the teacher to lock the door from the hall side of the door. Once inside the door it cannot be locked. In the event of notification of an intruder in the building, the teacher needs to stand in the hallway and lock the door. The new lock system can be locked from the inside. The teacher simply pushes the lock activation from inside preventing anyone without a key from entering a classroom.

**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
22-02-02-04-7-999-001
22-02-02-04-7-999-BA1

**3. Was your project deemed eligible for streamlined Review?**

- ☒ Yes  
☐ No

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

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

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

Name	License Number
James King	15925

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## High-Tech Security Features

## 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)	216,172
Electronic Security System	62,385
Entry Control System	0
Approved Door Hardening Project	25,080
Other Costs	76,902
<b>Totals:</b>	<b>380,539</b>

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](mailto: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
Capital-Intensive Security Project	1500 KW 120/208V 3 Phase Generator 1600A ATS NEMA I Enclosure 48 Hour Double Wall Fuel Tank Level 3 Sound Enclosure	1.00	90,000	90,000
Capital-Intensive Security Project	Generator Control System	1.00	5,000	5,000
Capital-Intensive Security Project	Electrical Building Connections	1.00	62,000	62,000
Capital-Intensive Security Project	Natural Gas Supply line and regulators	1.00	15,000	15,000
Capital-Intensive Security Project	Labor for Installation of Equipment (Current Prevailing Wage 72.00/hour_	476.00	72	34,272
Capital-Intensive Security Project	Concrete Mounting Pad	1.00	4,000	4,000
Capital-Intensive Security Project	Safety Fencing	1.00	1,700	1,700
Other Costs	Architect Fees	1.00	26,000	26,000
Other Costs	Construction Contingencies	1.00	29,000	29,000
Capital-Intensive Security Project	Crane Rental for Installation	1.00	1,500	1,500
Capital-Intensive Security Project	Steel Mounting Bollards	1.00	2,700	2,700
Approved Door Hardening	Door Hardening Materials including	10.00	1,970	19,700



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## High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Project	replacement doors with reinforced glass			
Approved Door Hardening Project	Custom Door Locks	10.00	34	340
Approved Door Hardening Project	Labor for Door Hardening project (prevailing rate 72.00)	70.00	72	5,040
Other Costs	Architect Fees	1.00	2,000	2,000
Other Costs	Contingencee and fees for Door Hardening project	1.00	3,000	3,000
Electronic Security System	BE6M-M5-K9 Cisco Business Edition 6000M (M5) Appliance,	1.00	5,171	5,171
Electronic Security System	UCSC-PSU1-770W= Cisco UCS 770W AC Power Supply	2.00	309	618
Electronic Security System	CAB-9K12A-NA= Power Cord, 125VAC 13A NEMA 5-15 Plug	2.00	11	22
Electronic Security System	CON-OSBE6KSTBD SMARTNET ONSITE 8X5XNBD	1.00	309	309
Electronic Security System	BE6K-STARTUWL35 BE6000 Starter 35 license Bundle	1.00	417	417
Electronic Security System	BE6K-UCL-ESS Cisco Business Edition 6000 - Essential User license	8.00	17	136
Electronic Security System	BE6K-UCL-ENH Cisco Business Edition 6000 Standard User License	88.00	88	7,744
Electronic Security System	BE6K-UCL-VM Cisco Business Edition 6000- Unified Message and Voice Mail License	88.00	31	2,728
Electronic Security System	CON-ECMUUCMENHUC SWSS UPGRADES BE6K	88.00	16	1,408
Electronic Security System	CON-ECMUUCN10XVM SWSS UPGRADES BE6K	88.00	7	616
Electronic Security System	CON-ECMUUCMESSUC SWSS UPGRADES BE6K Essential USers	8.00	3	24
Electronic Security System	CON-ECMUBE11WXUR SWSS UPGRADES BE6000 v11	1.00	340	340
Electronic Security System	SP-INFCST-1- 250= 1YR InformaCast Advance	1.00	2,069	2,069
Electronic Security System	ISR4331-V/K9 Cisco ISR 4331 UC Bundle, PVD4-32, Gateway License	1.00	2,433	2,433
Electronic Security System	NIM-2FXS/4FXOP 2-Port FXS/FXS-E/DID and 4-Port FXO Network	2.00	584	1,168

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## High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	Interface Module			
Electronic Security System	CON-PSUTISR4331K PRTNR SUP 8X5XNBD CISCO ISR 4331 (2GE,2NIM,1SM,4G FLASH,4G	1.00	539	539
Electronic Security System	CP-7800-WMK= Wallmount Kit for Cisco UC Phone	71.00	33	2,343
Electronic Security System	8 CP-8845-K9= Cisco IP Phone 8845	18.00	240	4,320
Electronic Security System	CP-8865-K9= Cisco IP Phone 8865	2.00	332	664
Electronic Security System	CP-8800-V-KEM= 8800 Series Video KEM, 28 Button	2.00	217	434
Electronic Security System	CP-8821-K9-BUN Cisco Unified Wireless IP Phone 8821	2.00	392	784
Electronic Security System	CON-SNTCP88K9BN SNTC- 8X5XNBD Cisco Unified Wireless	3.00	59	177
Electronic Security System	2 ATA190 UC 2 Port Analog Telephone Adapter	2.00	152	304
Electronic Security System	TAMB2 Bogen TAMB2 Telephone paging access module	1.00	154	154
Electronic Security System	PS-SNY-ADV Professional Services - System Installation and Programing	1.00	27,463	27,463
Other Costs	PS-SNY-ADV - Project Management	1.00	12,902	12,902
Other Costs	Project Contingency	1.00	4,000	4,000

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PPU Report

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