

Smart Schools Investment Plan - 2016-17 Version (Original) - Elba Central School #1

SSIP Overview

Page Last Modified: 11/29/2018

Institution ID

800000034019

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

Ned Dale

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

585-757-9967

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

ndale@elbacsd.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

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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.

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

Smart Schools Investment Plan (SSIP).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.elbacsd.org/site/handlers/filedownload.ashx?moduleinstanceid=11&dataid=2643&FileName=TECH%20PLAN%202016-19.pdf>

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.**

510

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:**

\$547,789

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	244,411
Connectivity Projects for Communities	

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	Sub-Allocations
	0
Classroom Technology	52,150
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	182,136
Totals:	478,697

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School Connectivity

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

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

Wayne Finger Lakes RIC provides Elba Central School with a minimum broadband capacity of 200Mb.
This currently exceeds the standard by a factor of 3 times.
Our K - 12 enrollment is 371

- 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	371	37,100	37	200	200	currently met

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

Elba Central wants to provide a technology network that will support the expanded use of technology that they are planning. The first component to their project is to upgrade the fiber optic cable connecting all of the wiring closets in the district. This fiber will carry the load from the expanded network for student use and for security.

The second component is an upgrade to the actual network hardware including the Core switch and the wireless access points. The core switch is the heart of the network and the new core will have the capacity to handle 10 gigabit traffic that the fiber can carry. Additional security cameras and the additional student use will mandate this capacity.

The second item proposed are 2 computer servers. With the expanded use of video and Power Points presentations in classrooms, existing computer servers do not have a capacity to support the 21st century learning environment. Elba is proposing purchase 2 servers with 6 terabytes of capacity each, dedicated to supporting the creating and storage of modern classroom presentation by both the students and the instructors.

Finally, the district anticipates a one-to-one initiative either through a "bring your own device" or a district sponsored. The student usage for active research and collaborative learning could triple the current demand on the network. The district is planning to upgrade all of the existing wireless access points as well as equipping some areas that are either not equipped or under capacity. Students will experience seamless access anywhere in the district.

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School Connectivity

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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 mission of the Elba Central School Technology Plan is "The purpose and tradition of Elba Central School District and its community is to empower and inspire our students to be continuous learners who are challenged to succeed".

The Elba Central School District Technology Committee believes that through technology students will have an opportunity for more course offerings, access to a larger variety of documents, and the capability to connect with those outside of their local area, where many students will never physically venture thus expanding their world and possibly their thoughts and ideals. Teachers will use technology to provide effective learning environments which support college and career readiness. Providing similar settings for teacher professional development can also occur - online professional development, professional learning communities, managing student data, and local and global collaboration with students, parents and other educators.

Our students and staff mainly connect to our network and the internet with a wireless device. In order for our students to consistently connect to our network and the internet we need to have a robust and reliable wireless network. Wireless technology will also be used to connect students and staff to each other and to the larger world to make learning more relevant and authentic.

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.

During the 2016-17 school year, Elba Central School has worked with the planning specialists at Edutech (Regional Information Center) to review all of the learning spaces and the potential educational utilization of those spaces. Their plan will replace the current wireless access points and add additional wireless access points where there is student demand.

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
18-09-01-04-0-001-BA1

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

Was your project deemed eligible for streamlined review?

Yes

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

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

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

Name	License Number
Brian Trott	25971

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

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School Connectivity

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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	167,567
Outside Plant Costs	0
School Internal Connections and Components	76,844
Professional Services	0
Testing	0
Other Upfront Costs	0
Other Costs	0
Totals:	244,411

- 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
Network/Access Costs	Meraki MR33 Cloud Managed AP	81	604	48,924
Network/Access Costs	Meraki MS425-16-HW Switch	2	7,700	15,400
Network/Access Costs	License MS425-16-57	2	968	1,936
Network/Access Costs	Meraki MS250-48FP-HW Switch	12	4,667	56,004
Network/Access Costs	License MS250-48 P-5Y	12	566	6,792
Network/Access Costs	MA-PWR-1025WAC Meraki Power Supply	12	935	11,220
Connections/Components	Installation of Fiber Cable NYSOGS Rate	4,732	10	47,320
Connections/Components	852-LL2-009-55L connector	20	13	260
Connections/Components	MA-CBL-40G-50CM cable	2	66	132
Connections/Components	MA-CBL-40G-1M cable	12	132	1,584
Connections/Components	MA-SFP-10GB-LRM connector	20	635	12,700
Connections/Components	SFP-H10GB-CU1-5M cable	2	66	132
Network/Access Costs	APC 2000va Rack Tower UPS	6	1,350	8,100

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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
Network/Access Costs	APC Smart UPS External Battery	6	682	4,092
Network/Access Costs	APC UPS Network Mgmt Card	1	404	404
Network/Access Costs	APC Temp & Humidity Sensor Card	1	115	115
Connections/Components	HP DL380 Servers with 6 terabytes of storage capacity	2	7,358	14,716
Network/Access Costs	MR33 Wireless Access Point License	81	180	14,580

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Community Connectivity (Broadband and Wireless)

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

(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
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.

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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)

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Classroom Learning Technology

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

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

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

Elba Central Schools subscribes to Internet Broadband services via the Western New York Regional Information System. The currently exceed this standard by a factor of 3 times.

- 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	371	37,100	37	200	200	currently met

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

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

As a component of this application the district is proposing a total replacement of the wireless system in the building. All of the existing wireless access points will be replaced and additional wireless access points will be added to provide "saturation" coverage throughout the building. All spaces will have appropriate wireless access to support both instructional and administrative requirements for many years.

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.

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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.**

Elba Central Schools has used recent capital projects to maintain their buildings and provide a robust infrastructure to support the items proposed in this application.

Elba Central Schools is proposing two purchases.

The first are 10 classroom interactive video display devices. These units will replace existing display boards that are reaching end of life and need replacement.

The district is also proposing the purchase of 10 C-Pen devices. These devices will allow learning disabled students to scan a word or a sentence and then have it converted to audio for their understanding.

All classrooms have reliable and appropriate electrical capacity. The items proposed will have no impact on the HVAC system.

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?")

The Elba Smart Schools Planning Committee included representation from their instructional staff that support students with disabilities and English Language Learners. They reflected that the individual needs of some of these students are provided through their mandated individual education plan (IEP). They did request the purchase of C-Pen readers for the use by these students. These pens allow a student to scan a word or sentence and the pen converts it to audio and/or another language for their understanding. These pens will be assigned as appropriate including the media center as required. The team is excited on the potential for independent learning and the acquisition of a compensating strategy for these students.

All students will benefit from new interactive white boards in classrooms. The new boards have multi-touch capabilities allowing for more students to be actively involved at one time. The brightness and clarity are much better than the old boards making it easier for all to see. These boards will allow the teachers to use more exciting and interactive models and this helps keep the students engaged in learning.

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

The Elba Central School has a robust parent portal which provides real time attendance, discipline, and grade reporting. It also provides home work status and email communication with district teachers and administration. This plan does not impact that effort.

The display boards proposed in this application are extremely valuable to expanded efforts to distance learning. Scheduling has always been the limiting factor of traditional "distance learning rooms." With this proposal, there will be 10 locations in the building that can serve as a hosting or receiving site for video conferencing or distance learning. Coupled with existing classroom digital video cameras, these boards provide a classroom display of both the sending and receiving requirements of a distance learning.

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Classroom Learning Technology

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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."

The Elba Central School District has a long history of technology professional development. The goal is to provide appropriate training that allows the use of technology to seamlessly integrate into the classroom.

The first component is the regional Model Schools programs. Professional development delivered by the regional professionals that use the technology. Model Schools through Genesee Valley BOCES provides onsite and regional training in relative curricular areas. These sessions are offered during the summer and during the regular school year.

The second component are district turn key trainers. These individuals are early adopters of the technology who are available in the building on a one-to-one basis and in small groups to expand the use of technology in the classroom.

Training topics that have been offered are: Smart Notebook 11, Google Classroom, Google Calendar

Training topics that will be offered are: Smart Notebook 17, Refresher of Google Classroom, Using the Pen Scanner, Basics of Using the Interactive Flat Panel

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 Geneseo

- 9b. Enter the primary Institution phone number.

585-245-5211

- 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.

Anjoo Sikka

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

Are there nonpublic schools within your school district?

☐ Yes

☒ No

11. Nonpublic Classroom Technology Loan Calculator

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

See:

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

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Classroom Learning Technology

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	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	49,670
Computer Servers	0
Desktop Computers	0
Laptop Computers	0
Tablet Computers	0
Other Costs	2,480
Totals:	52,150

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.

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Interactive Whiteboards	Recordex SimplicityTouch 70	10	4,967	49,670
Other Costs	C-Pen Scanners	10	248	2,480

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High-Tech Security Features

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1. **Describe how you intend to use Smart Schools Bond Act funds to install high-tech security features in school buildings and on school campuses.**

Elba Central School believes that a safe and secure learning environment is essential for student learning without distractions. Two of the components of this are reliable communications with all locations in the building in the event of an emergency, and reliable video security to investigate any incidents that do occur.

While Elba Central is a district of only one building, the existing classroom communication system is an outdated analog system with limited capacity and features. In addition, there are locations in the building that are not covered and would be without communication in the event of an emergency incident. The district is proposing installing a digital classroom communication system. In addition to traditional voice capacity, these units would have a digital display that would allow secure visual communication of messages. For example, the display could send a message to each classroom "intruder in the building, shelter in place" or "Elba Central Schools is dismissing early today due to inclement weather." This system could also allow digital or vocal messages to individual class rooms or groups of classrooms.

The second component of this plan is the expansion and upgrade of the video security system in the building. This application will allow additional areas of the building to receive cameras, replacement of existing analog cameras, and replacement of the video recording servers. These areas are already serviced by the district's computer network. This means that existing IT cables can be re-tasked to support this service. These cables will no longer be required for student computers as the district converts to wireless supported devices. These servers will allow expanded recording of events and extended archiving of specific recordings for future review. As a whole, the upgraded system will provide a safer environment for the district students.

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
18-09-01-04-0-001-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
Brian Trott	25971

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	110,483

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	Sub-Allocation
Entry Control System	71,653
Approved Door Hardening Project	0
Other Costs	0
Totals:	182,136

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
Electronic Security System	MC74-HW Meraki MC 74 Cloud Managed IP Phone	115.00	330	37,950
Electronic Security System	Meraki MC IP Phone Enterprise License	115.00	180	20,700
Electronic Security System	MV71-HW Meraki Outdoor Domed Camera	12.00	824	9,888
Electronic Security System	MV21-HW Meraki indoor HD Domed Camera	35.00	715	25,025
Electronic Security System	LIC-MV Meraki Enterprise Camera License with cloud Storage	47.00	360	16,920
Entry Control System	SXWSWORK00001WorkStation Software Standard (1 concurrent user license)	1.00	1,100	1,100
Entry Control System	SXWSWORK00002WorkStation Software Professional, includes Programming & Graphics Editors (1 concurrent user license)	1.00	2,250	2,250
Entry Control System	SXWASPXXX10001AS-P Automation Server: SmartX Controller.	1.00	3,271	3,271
Entry Control System	SXWPS24VX10001PS-24V Power Supply 24 VAC or 21-30 VDC	1.00	150	150
Entry Control System	SXWTBPSW110001Terminal Base Power Supply - base required for each Power Supply	1.00	50	50
Entry Control System	SX-SRVRSecurity Expert Software License. Includes Photo ID Badging, 50 Reader Licenses, 10 Camera Licenses (requires SX-NVR), EcoStruxure Integration License,	1.00	7,822	7,822

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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
	Generic SOAP Web Service, 1 Thick Client, Web Clients, Unlimited Sites/Controllers/Users, Calendar Actions and Email on Events			
Entry Control System	SP-CSecurity Purpose Controller. Has support for (2) doors onboard. Intended for use on a Security Expert SX-SVR system.	2.00	1,468	2,936
Entry Control System	SP-PSU-4A12V Only 4A Power Supply Intelligent Battery Backup. Add power cord.	2.00	869	1,738
Entry Control System	SP-RDM22 Door Expander with RS485 enabled reader ports. 12VDC	5.00	609	3,045
Entry Control System	SX-RD-SB13.56MHz Card Reader - Mullion Mount Size - Black	11.00	296	3,256
Entry Control System	SX-ISO-MFISO Graphic Printable Mifare Card (\$50/1K)	100.00	12	1,200
Entry Control System	SX-KLCS-WTouch Sense LCD Keypad (White). 12VDC	5.00	313	1,565
Entry Control System	LPDAItronix Low Power Disconnect Module	2.00	9	18
Entry Control System	SMP3Altronix AC-DC Power Supply	2.00	28	56
Entry Control System	AL1024ULXPD8Door Lock Power Supply	2.00	249	498
Entry Control System	9400-630HES 9400 Series Electric Strike, Satin Stainless Steel	7.00	382	2,674
Entry Control System	TR100VA001100 VA Transformer, 120VAC/24VAC	2.00	41	82
Entry Control System	Standard Workstation/ ServerStand-Alone DELL Workstation & MSDE Server Includes 22	1.00	1,680	1,680
Entry Control System	IM127012v7ah SLA Battery	4.00	17	68
Entry Control System	TREX-LTRequest To Exit	7.00	54	378
Entry Control System	4460ADoor Contact	7.00	20	140
Entry Control System	DCP20 Panel20	2.00	158	316
Entry Control System	System Engineering, Programming, and configuration Prevailing Rate	128.00	120	15,360
Entry Control System	Door hardware installation Installation Prevailing Rate	200.00	110	22,000