

Smart Schools Investment Plan - Revised - Application 2

SSIP Overview

Institution ID

800000051823

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.

Supplemental submission

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

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

 District Educational Technology Plan Submitted to SED and Approved

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

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

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

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

 Yes Yes, but they have all since closed, moved out of district or are declining use of SSBA funds No

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

 The district developed and the school board approved a preliminary Smart Schools Investment Plan. The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent. The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occurred as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting. The school board was unable to conduct a hearing that enabled stakeholders to respond to the preliminary plan due to an emergency need as a result of the COVID-19 crisis. The district prepared a final plan for school board approval and such plan has been approved by the school board. The final proposed plan that has been submitted has been posted on the district's website.

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SSIP Overview

- 6a. Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.

Ticonderoga BOE Presentation 1.pdf

- 6b. Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.

[https://www.ticonderogak12.org/docs/district/ticonderoga%20boe%20presentation%20\(1\).pdf?id=1662](https://www.ticonderogak12.org/docs/district/ticonderoga%20boe%20presentation%20(1).pdf?id=1662)

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

850

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

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

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

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

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

(No Response)

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

\$597,733

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	795	103	898.00	11.47

- 13. This table compares each category budget total, as entered in that category's page, to the total expenditures listed in the category's expenditure table. Any discrepancies between the two must be resolved before submission.

	Sub-Allocations	Expenditure Totals	Difference
School Connectivity	329,805.00	329,805.00	0.00
Connectivity Projects for Communities	0.00	0.00	0.00
Classroom Technology	0.00	0.00	0.00
Pre-Kindergarten Classrooms	0.00	0.00	0.00
Replace Transportable Classrooms	0.00	0.00	0.00
High-Tech Security Features	168,211.00	168,211.00	0.00
Nonpublic Loan	25,750.00	25,750.00	0.00
Totals:			

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	Sub-Allocations	Expenditure Totals	Difference
	523,766	523,766	0

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School Connectivity

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

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

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

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

Ticonderoga Central Schools subscribes to broad band services through the Northeast Regional Information Center. They currently exceed this standard.

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

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

2. **Connectivity Speed Calculator (Required).** If the district currently meets the required speed, enter “Currently Met” in the last box: **Expected Date When Required Speed Will be Met.**

	Number of Students	Required Speed in Mbps	Current Speed in Mbps	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	795	79.50	100	100	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.**

Supporting a one-to-one environment in the Ticonderoga district requires more than purchasing chromebooks or laptops. Without adequate infrastructure a one-to-one project will fail miserably. When you combine that with an upgrade to the video security system that was included in the district's first application. An inadequate ip network infrastructure will crash leaving the students frustrated and the district vulnerable. During the 19-20 school year, Ticonderoga's technology planning specialist has worked with network specialists from the Northeast Regional Information Center to evaluate the current infrastructure and develop an upgrade plan. This includes upgrades to the switches and to the wireless access points. By upgrading these units, the district will have 1 gig throughput to all components of the district an adequate wireless capacity in all areas of the buildings.

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School Connectivity

4. Describe the linkage between the district's District Instructional Technology Plan and how the proposed projects will improve teaching and learning. (There should be a link between your response to this question and your responses to Question 1 in Section IV - NYSED Initiatives Alignment: "Explain how the district use of instructional technology will serve as a part of a comprehensive and sustained effort to support rigorous academic standards attainment and performance improvement for students.")

Your answer should also align with your answers to the questions in Section II - Strategic Technology Planning and the associated Action Steps in Section III - Action Plan.)

Ticonderoga Central School wishes to expand the educational offerings to students through the establishment of a one-to-one learning environment. By providing all students a personal device, the school day expands ad students flecibility and independence expand exponentially. Offering a one-to-one learning environment depends on a strong infrastructure with an always on wifi system. This portion of the plan of the provides switches and wireless access points to support that upgrade. The switches will have capacity for the district to have a 10 gigabit backbone and 1 gigabit data transfer speeds to all of the access points and desktops. This system will meet the current needs AND has the capacity to support the district as it continues to expand the offerings and increase the numbers of users.

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.

To develop a strong plan for technology to support student instruction Ticonderoga's planning specialist worked with the instructional administrative team and classroom teachers to review all spaces in the buildings. Each space was identified and the maximum number of students that might be assigned to the space was recorded. The technology planning team then determined the appropriate network access that might be required to support instruction in that space. They identified where hardwired access might be required and the appropriate wifi support that would also be required.

6. Smart Schools plans with any expenditures in the School Connectivity category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit.

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

Project Number
15-15-01-06-7-999-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
James King	15925

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School Connectivity

9. Public Expenditures – Loanable (Counts toward the nonpublic loan calculation)

Select the allowable expenditure type. Repeat to add another item under each type.	PUBLIC Items to be Purchased	Quantity	Cost Per Item	Total Cost
Network/Access Costs	JW797A Aruba AP-315 802.11n/ac 2x2:2/4x4:4 MU-MIMO Dual Radio Integrated Antenna AP	84	627.00	52,668.00
Network/Access Costs	JX918A AIRWAVE DL360 PRO HW APPL WRLS PL=N6	1	23,937.00	23,937.00
Network/Access Costs	H5AT9E - 3YR ARUBA FOUNDATION CARE 24X7 SVCS AW DL360 PRO APPLI SVC	1	24,455.00	24,455.00
Network/Access Costs	Aruba AP-314 802.11n/ac 2x2:2/4x4:4 MU-MIMO Dual Radio Antenna Connectors AP	38	627.00	23,826.00
Network/Access Costs	JW778A - Aruba 7205-K12- 128-US 7205 K-12 (US) Mobility Controller w/128 AP License Bundle (includes 1 Year FC support)	1	18,267.00	18,267.00
Network/Access Costs	Aruba 2930M 48G PoE+ 1-slot Switch	2	3,996.00	7,992.00
Network/Access Costs	JZ401AAE - ARUBA CLEARPASS NL AC 500 CE ESD E-LTU PL=L3	1	7,800.00	7,800.00
Network/Access Costs	Aruba AP-335 802.11n/ac 4x4:4 MU-MIMO Dual Radio Integrated Antenna 2.5+1 GbE AP	6	1,068.00	6,408.00
Network/Access Costs	JW799A - Aruba AP-334 802.11n/ac 4x4:4 MU-MIMO Dual Radio Antenna Connectors 2.5+1 GbE AP	6	1,068.00	6,408.00
Network/Access Costs	H5GJ4E - Aruba 3Y FC NBD Exch ED/R7205-K12128 SVC [for JW778A]	1	6,025.00	6,025.00
Network/Access Costs	JZ508A - ARUBA CLEARPASS C1000 S-1200 R4PERP HW APPL PL CODE-L3	1	4,410.00	4,410.00
Internal Components and Connections	AP-ANT-1W 2.4-2.5GHz (4dBi)/4.9-5.875GHz (6dBi) Hi Gain Dual-band Omni-Dir Indoor Antenna	176	21.00	3,696.00
Internal Components and Connections	Aruba X372 54VDC 1050W Power Supply	4	591.00	2,364.00

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School Connectivity

Select the allowable expenditure type. Repeat to add another item under each type.	PUBLIC Items to be Purchased	Quantity	Cost Per Item	Total Cost
Internal Components and Connections	HPE X132 10G SFP+ LC LRM Transceiver	4	570.00	2,280.00
Network/Access Costs	JX936A Aruba AP-305 802.11n/ac 2x2:2/3x3:3 MU-MIMO Dual Radio Integrated Antenna AP	4	438.00	1,752.00
Network/Access Costs	H9XB3E - 3YR FOUNDATION CARE SVC 24X7 SVCS ARUBA CLEARPASS NL AC500CE	1	1,685.00	1,685.00
Internal Components and Connections	JL083A Aruba 3810M/2930M 4SFP+ MACsec Module	2	795.00	1,590.00
Internal Components and Connections	JL325A Aruba 2930 2-port Stacking Module	2	642.00	1,284.00
Network/Access Costs	JY680A Aruba AP-303H (US) Unified AP	3	312.00	936.00
Internal Components and Connections	ARUBA 10G SFP+ TO SFP+ 3M DAC CABL CABLE PROMO NO DEAL REG	4	90.00	360.00
Internal Components and Connections	PSU 350 AC	1	312.00	312.00
Internal Components and Connections	J9735A 1.0M 2920 STACKING CABLE CABL PL-35 PROMO NO DEAL REG	1	120.00	120.00
Internal Components and Connections	J9734A 0.5M 2920 STACKING CABLE CABL PL-35 PROMO NO DEAL REG	1	96.00	96.00
Internal Components and Connections	JY689A AP-303H-MNTD Desk Mount Kit	3	30.00	90.00
Internal Components and Connections	JW124A PC-AC-NA North America AC Power Cord	2	3.00	6.00
Network/Access Costs	Airewaave Device Services E-LTU	500	27.00	13,500.00
Network/Access Costs	H9TU1-E	1	2,041.00	2,041.00
Network/Access Costs	JY705A AP-220-MNT-W3 White Low Profile Box Style Secure Large Indoor AP Flat Surface Mount Kit	42	33.00	1,386.00
		893	100,086.00	215,694

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

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School Connectivity

Select the allowable expenditure type. Repeat to add another item under each type.	PUBLIC Items to be purchased	Quantity	Cost per Item	Total Cost
Professional Services	Project Manager	1	20,218.00	20,218.00
Network/Access Costs	Wireless access point installation	1	43,415.00	43,415.00
Professional Services	Network system installation and access coordination	1	27,438.00	27,438.00
Network/Access Costs	AIRWAVE 1 DEVICE LICs ELTU CLDS PL=N6	500	45.00	22,500.00
Network/Access Costs	Controller Capacity License required at Purchase	12	45.00	540.00
		515	91,161.00	114,111

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	795	103	898.00	11.47

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

	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Network/Access Costs	203,496.00	24,293.78	227,789.78
School Internal Connections and Components	12,198.00	1,456.22	13,654.22
Other	0.00	0.00	0.00
Totals:	215,694.00	25,750	241,444

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

	Sub-Allocation
Network/Access Costs	66,455.00
Outside Plant Costs	0.00
School Internal Connections and Components	0.00
Professional Services	47,656.00
Testing	0.00
Other Upfront Costs	0.00
Other Costs	0.00
Totals:	114,111.00

14. School Connectivity Totals

	Total Sub-Allocations
Total Loanable Items	

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School Connectivity

	Total Sub-Allocations
	241,444.00
Total Non-loanable Items	114,111.00
Totals:	355,555

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Community Connectivity (Broadband and Wireless)

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

(No Response)

2. Please describe how the proposed project(s) will promote student achievement and increase student and/or staff access to the Internet in a manner that enhances student learning and/or instruction outside of the school day and/or school building.

(No Response)

3. Community connectivity projects must comply with all the necessary local building codes and regulations (building and related permits are not required prior to plan submission).

I certify that we will comply with all the necessary local building codes and regulations.

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

(No Response)

5. Please provide the initial list of partners participating in the Community Connectivity Broadband Project, along with their Federal Tax Identification (Employer Identification) number.

Project Partners	Federal ID #
(No Response)	(No Response)

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

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

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

	Sub-Allocation
Network/Access Costs	(No Response)
Outside Plant Costs	(No Response)
Tower Costs	(No Response)
Customer Premises Equipment	(No Response)
Professional Services	(No Response)
Testing	(No Response)
Other Upfront Costs	(No Response)
Other Costs	(No Response)
Totals:	0.00

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Classroom Learning Technology

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

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

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

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

(No Response)

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

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

2. **Connectivity Speed Calculator (Required).** If the district currently meets the required speed, enter “Currently Met” in the last box: **Expected Date When Required Speed Will be Met.**

	Number of Students	Required Speed in Mbps	Current Speed in Mbps	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	(No Response)	0.00	(No Response)	(No Response)	(No Response)

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

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

(No Response)

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

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

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

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

(No Response)

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Classroom Learning Technology

6. Describe how the proposed technology purchases will:
- > enhance differentiated instruction;
 - > expand student learning inside and outside the classroom;
 - > benefit students with disabilities and English language learners; and
 - > contribute to the reduction of other learning gaps that have been identified within the district.

The expectation is that districts will place a priority on addressing the needs of students who struggle to succeed in a rigorous curriculum. Responses in this section should specifically address this concern and align with the district's Instructional Technology Plan (in particular Question 2 of E. Curriculum and Instruction: "Does the district's instructional technology plan address the needs of students with disabilities to ensure equitable access to instruction, materials and assessments?" and Question 3 of the same section: "Does the district's instructional technology plan address the provision of assistive technology specifically for students with disabilities to ensure access to and participation in the general curriculum?")

In addition, describe how the district ensures equitable access to instruction, materials and assessments and participation in the general curriculum for both SWD and English Language Learners/Multilingual Learners (ELL/MLL) students.

(No Response)

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

(No Response)

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

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

(No Response)

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

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

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

(No Response)

- 9b. Enter the primary Institution phone number.

(No Response)

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

(No Response)

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Classroom Learning Technology

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

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

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

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

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

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

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	795	103	898.00	11.47

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

	Public School Sub-Allocation	Estimated Nonpublic Loan Amount (Based on Percentage Above)	Estimated Total Public and Nonpublic Sub-Allocation
Interactive Whiteboards	(No Response)	0.00	0.00
Computer Servers	(No Response)	0.00	0.00
Desktop Computers	(No Response)	0.00	0.00
Laptop Computers	(No Response)	0.00	0.00
Tablet Computers	(No Response)	0.00	0.00
Other Costs	(No Response)	0.00	0.00
Totals:	0.00	0	0

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Pre-Kindergarten Classrooms

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

(No Response)

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

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

(No Response)

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

(No Response)

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

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

Project Number
(No Response)

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

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

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

	Sub-Allocation
Construct Pre-K Classrooms	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
Totals:	0.00

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Replace Transportable Classrooms

1. Describe the district’s plan to construct, enhance or modernize education facilities to provide high-quality instructional space by replacing transportable classrooms.

(No Response)

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

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

Project Number
(No Response)

3. For large projects that seek to blend Smart Schools Bond Act dollars with other funds, please note that Smart Schools Bond Act funds can be allocated on a pro rata basis depending on the number of new classrooms built that directly replace transportable classroom units.

If a district seeks to blend Smart Schools Bond Act dollars with other funds describe below what other funds are being used and what portion of the money will be Smart Schools Bond Act funds.

(No Response)

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

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

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

	Sub-Allocation
Construct New Instructional Space	(No Response)
Enhance/Modernize Existing Instructional Space	(No Response)
Other Costs	(No Response)
Totals:	0.00

Smart Schools Investment Plan - Revised - Application 2

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.

Safety and security is a priority for the Ticonderoga Central School District. A reliable classroom communication system is an integral part of an emergency preparedness plan for Ticonderoga. In the event of an emergency, getting the correct information to the correct individual or group of individuals would be critical. The current system is an analog system that was installed many years ago. There are some areas with unreliable service and some areas that are not serviced at all. In addition, the system can handle voice calls but is not manageable. The district is proposing to replace the current system with a Voice over IP system. Currently, in the event of a 9-11 call, the district knows there is an emergency, but can't identify where. With the new system the district can identify the specific room. Response time will be cut dramatically. This system combines a traditional audio system with a digital display. The digital display normally displays incoming calls. In an emergency, the administration could scroll messages such as "shelter in place, intruder in the building." This would alert the classroom and not the intruder. The Audio system is normally limited to a specific phone, but with the new Voip system the administration can manage emergency calls to the classrooms. The administration can direct information to specific groups of phones such as a wing, grade level, or subject areas.

2. All plans and specifications for the erection, repair, enlargement or remodeling of school buildings in any public school district in the State must be reviewed and approved by the Commissioner. Smart Schools plans with any expenditures in the High-Tech Security category require a project number from the Office of Facilities Planning. Districts must submit an SSBA LOI and receive project numbers prior to submitting the SSIP. As indicated on the LOI, some projects may be eligible for a streamlined review and will not require a building permit. Please indicate on a separate row each project number given to you by the Office of Facilities Planning.

Project Number
15-15-01-06-7-999-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

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

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	IPTA-IC-R INFORMACAST RESILIENCY - PER END POINT	225	5.00	1,125.00
Electronic Security System	IPTA-M1Y-B 1 YEAR MAINTENANCE - PER END POINT LICENSE - 250 LICENSE TIER	225	4.00	900.00

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High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	CON-ECMU-SRSTGTEP SWSS UPGRADES Cisco SRST - 1 SRST Endpoint License	154	3.00	462.00
Electronic Security System	SRST-EP Cisco SRST - 1 SRST Endpoint License (E-Delivery Smart)	154	17.00	2,618.00
Electronic Security System	DON-UC-GM-ACNP-SASP UNIFY FOR GMAIL ACAD/NP - SUBSCRIPTION PLUS, 1 Year	150	12.00	1,800.00
Electronic Security System	CP-8841-K9= Cisco IP Phone 8841	125	283.00	35,375.00
Electronic Security System	CP-8865-K9= Cisco IP Phone 8865	37	437.00	16,169.00
Electronic Security System	CP-8800-V-KEM= 8800 Series Video KEM, 28 Button	16	311.00	4,976.00
Electronic Security System	CP-8800-WMK= Wall Mount Kit for Cisco IP Phone 8800 Series	7	48.00	336.00
Electronic Security System	CP-8832-K9 Cisco 8832 in Charcoal with accessories for North America	3	877.00	2,631.00
Electronic Security System	CP-8832-POE Cisco IP Conference Phone 8832 PoE Accessories for Worldwide	3	69.00	207.00
Electronic Security System	CAB-ETH-S-RJ45 Yellow Cable for Ethernet, Straight-through, RJ-45, 6 feet	2	11.00	22.00
Electronic Security System	CON-SNT-ISR4331V SNTC-8X5XNBD Cisco ISR 4331 UC Bundle, PVD4-32, UC L	2	456.00	912.00
Electronic Security System	ISR4331-V/K9 Cisco ISR 4331 UC Bundle, PVD4-32, UC License	2	3,210.00	6,420.00
Electronic Security System	NIM-1MFT-T1/E1 1 port Multiflex Trunk Voice/Clear-channel Data T1/E1 Module	2	787.00	1,574.00
Electronic Security System	NIM-2FXS/4FXOP 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module	2	770.00	1,540.00
Electronic Security System	BE6H-M5-K9 Cisco Business Edition 6000H (M5) Appliance, Export Restr SW	1	12,980.00	12,980.00
Electronic Security System	BE6M-M5-K9 Cisco Business Edition 6000M (M5) Appliance, Export Restr SW	1	7,150.00	7,150.00
Electronic Security System	CAB-AC= AC Power Cord (North America), C13, NEMA 5-15P, 2.1m	1	34.00	34.00

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High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	CON-SNT-BE6HM5K9 SNTC-8X5XNBD Cisco Business Edition 6000H (M5) Applia	1	262.00	262.00
Electronic Security System	CON-SNT-BE6MM5K9 SNTC-8X5XNBD Cisco Business Edition 6000M (M5) Applia	1	263.00	263.00
Electronic Security System	DON-UC-GM-INST REMOTE INSTALLATION & CONFIGURATION SUPPORT	1	600.00	600.00
Electronic Security System	IPTA-IC250 INFORMACAST ADVANCED NOTIFICATION - 250 USER LICENSE	1	5,569.00	5,569.00
Electronic Security System	PS-SNY-ADV Unified Emergency Classroom Notification Installation	1	21,898.00	21,898.00
Entry Control System	0673-001 Axis A8004-VE Network Video Door	5	1,249.00	6,245.00
Entry Control System	5801-131 ACCESS CNTRL JUNCTION BOX FORAXIS A8004-VE NETWORK VIDEO DOOR STATION C1014318	5	69.00	345.00
Entry Control System	PVDM4-32 32-channel DSP module	2	935.00	1,870.00
Entry Control System	UCSC-PSU1-770W= Cisco UCS 770W AC Power Supply for Rack Server	1	441.00	441.00
Other Costs	PS-SNY-ADV Project Manager	1	6,581.00	6,581.00
Electronic Security System	PS-SNY-ADV Unify for Gmail Installation	1	720.00	720.00
Electronic Security System	CP 8832 POE Cisco Phone	3	62.00	186.00
Other Costs	Architect Fees	1	14,000.00	14,000.00
Other Costs	Construction Contingency Fees	1	12,000.00	12,000.00
		1,137	92,113.00	168,211

6. If you have made an allocation for High-Tech Security Features, complete this table. Enter each Sub-category Public Allocation based on the the expenditures listed in Table #5.

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	0.00
Electronic Security System	126,729.00
Entry Control System	8,901.00
Approved Door Hardening Project	0.00
Other Costs	32,581.00

Smart Schools Investment Plan - Revised - Application 2

High-Tech Security Features

	Sub-Allocation
Totals:	168,211.00

Smart Schools Investment Plan - Revised - Application 2

Non-Public Schools

1. Describe your plan to utilize SSBA funds to purchase devices and loan to the nonpublic schools within your district. Please specify what devices have been requested by the nonpublic schools. If the nonpublic schools have not finalized requests, the district should provide the date nonpublic schools will submit the request by.

The nonpublic school has not provided their updated list and has until June 30 to do so. The district has reached out to the Non-Public partner regarding the expenditure of \$25,750.

2. A final Smart Schools Investment Plan cannot be approved until school authorities have adopted regulations specifying the date by which requests from nonpublic schools for the purchase and loan of Smart Schools Bond Act classroom technology must be received by the district.

By checking this box, you certify that you have such a plan and associated regulations in place that have been made public.

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

June 30

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	795	103	898.00	11.47

4. Nonpublic Loan Calculator

	Loanable School Connectivity	Loanable Classroom Technology	Additional Nonpublic Loan (Optional)	Estimated Per Pupil Amount - This Plan	Previously Approved Per Pupil Amount(s)	Cumulative Per Pupil Loan Amount	Final Per Pupil Loan Amount - This Plan	Final Total Loan Amount - This Plan
Required Nonpublic Loan	241,444.00	0.00		250.00	0.00	250.00	250.00	25,750.00
Final Adjusted Loan - (If additional loan funds)	241,444.00	0.00	(No Response)	250.00	0.00	250.00	250.00	25,750.00

5. Nonpublic Share

	Final Per Pupil Amount	Final Nonpublic Loan Amount
Pending and Previously Approved Plans	0.00	0.00
This Plan	250.00	25,750.00
Total	250.00	25,750.00

6. Distribution of Nonpublic Loan Amount by School

Nonpublic School Name	2018-19 K-12 Enrollment	Special Ed School? If Yes, not eligible
ST MARY'S SCHOOL	90	No

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

Select the allowable expenditure type. Repeat to add another item under each type.	Items to be purchased	Quantity	Cost Per Item	Total Cost
Unbudgeted Nonpublic Loan	Unbudgeted	1	25,750.00	25,750.00

Smart Schools Investment Plan - Revised - Application 2

Non-Public Schools

Select the allowable expenditure type. Repeat to add another item under each type.	Items to be purchased	Quantity	Cost Per Item	Total Cost
Amount				
		1	25,750.00	25,750