Institution ID
800000051490

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

Randall Squier

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

518-731-1710

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

squierr@cacsd.org

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

First submission

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

☑ District Educational Technology Plan Submitted to SED and Approved

4. Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.
By checking the boxes below, you are certifying that you have engaged with those required stakeholders. Each box must be checked prior to submitting your Smart Schools Investment Plan.

☑ Parents
☑ Teachers
☑ Students
☑ Community members

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

☐ Yes
☐ No
☑ N/A

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

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

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.

Coxsackie Athens Presentation.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.cacsd.org/Page/2799

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

1,569

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:

$832,993

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	116,518
Connectivity Projects for Communities	0
Classroom Technology	117,443
Pre-Kindergarten Classrooms	0
Replace Transportable Classrooms	0
High-Tech Security Features	551,948
Totals:	**785,909**

1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that:

- **sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or**
- **is a planned use of a portion of Smart Schools Bond Act funds, or**
- **is under development through another funding source.**

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

1. Specifically codified in a service contract with a provider, and

2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.

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

The District already meets the Broadband/Internet access requirements through an agreement with Mid-Hudson Cable. The SSBA funds will be used to install fiber and cable within our school buildings to enhance the internal internet access 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	1,332	133,200	133.2	500	500	Already 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.

Coxsackie Athens Central Schools has been increasing the demand placed on the network infrastructure that supports the district. They anticipate establishing a one-to-one environment either through a Bring Your Own Device program or through district provided devices. In addition, the district has seen an expansion of their safety and security network including classroom communication and video security devices.

To support this increase in demand, Coxsackie Athens is proposing an upgrade of their switching infrastructure. The current switches have limited through put and limited WAN connectivity. The district is proposing to upgrade to 1 gig to all ports and 10 gig on the backbone. This installation will limit bottle necks and facilitate the support of new traffic.

The district was able to off set nearly $77,000 for this project through an Erate project.

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?)

One of the primary goals of the Coxsackie Athens Central School Technology plan is for a migration to Google classroom and Google Docs. This is the key to a successful one-to-one initiative. The students have access to their materials at home or at school no matter what hardware they are using. The students and teachers can collaborate on projects, peer review their documents, and integrate web resources into instruction. Upgrading the infrastructure is the key to that objective.

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.

Coxsackie Athens Central has been planning this upgrade since last summer. They established a team that included their technology leaders, planning specialists from Northeast Regional Information Center and professional system designers from the district architecture team including ESolutions. They reviewed all of the instructional and public spaces in the district and design the wireless and wired network to provide a robust environment for the integration of chrome books, iPads and laptop computers. In addition they considered the potential requirements of an expanded Security project and included that capacity. Every student all the time is our goal.

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
190501040001BA1
190501040006BA1
190501040007BA1

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
CS Arch-Dan Woodside	28237
Eric Sheffler Engineered Solutions	81621

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	42,640
Outside Plant Costs	0
School Internal Connections and Components	50,065
Professional Services	

	Sub-Allocation
	23,813
Testing	0
Other Upfront Costs	0
Other Costs	0
Totals:	**116,518**

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

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Connections/Components	AP8832 Rack PDU 2G, Metered, ZeroU, 30A, 100-120V, (24) 5-20R	8	487	3,896
Connections/Components	C2960S-STACK= Catalyst 2960-S FlexStack Plus Stacking Module	15	668	10,020
Connections/Components	C4KX-PWR-750AC-R Catalyst 4500X 750W AC front to back cooling power supply	1	1,016	1,016
Connections/Components	C4KX-PWR-750AC-R/2 Catalyst 4500X 750W AC front to back cooling 2nd PWR supply	1	1,016	1,016
Connections/Components	CAB-ETH-S-RJ45 1FT 24AWG Cat6a 550MHz UTP Ethernet Bare Copper Network Cable - Blue	500	4	2,000
Connections/Components	CAB-STK-E-1M Cisco FlexStack 1m stacking cable	4	51	204
Connections/Components	CAB-STK-E-3M Cisco FlexStack 3m stacking cable	6	102	612
Connections/Components	GLC-LH-SMD= 1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM	2	505	1,010
Connections/Components	PWR-RGD-AC-DC/IA IE 3010 Power Supply	1	356	356
Connections/Components	SFP-10G-LRM= 10GBASE-LRM SFP Module	14	505	7,070
Connections/Components	SFP-H10GB-CU1-5M 10GBASE-CU SFP+ Cable 1.5 Meter	5	51	255

School Connectivity

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Connections/Components	SFP-H10GB-CU1M= 10GBASE-CU SFP+ Cable 1 Meter	7	51	357
Connections/Components	SFP-H10GB-CU3M= 10GBASE-CU SFP+ Cable 3 Meter	2	51	102
Connections/Components	UCSC-PSU1-770W= Cisco UCS 770W AC Power Supply for Rack Server	2	355	710
Connections/Components	766 10ft Cat6a Snagless Unshielded (UTP) Network Patch Cable - Aqua	2	9	18
Connections/Components	6391 10Gb Fiber Optic Cable, LC/SC, Multi Mode, Duplex - 2 Meter (50/125 Type) - Aqua	12	4	48
Connections/Components	15216-LCSC-001 10Gb Fiber Optic Cable, LC/SC, Multi Mode, Duplex - 2 Meter (50/125 Type) - Aqua	9	20	180
Network/Access Costs	AIR-ANT2513P4M-N= 2.4 GHz/5 GHz 13 dBi Patch Antenna.,4 port, N conn.	2	761	1,522
Network/Access Costs	WS-C4500X-16SFP+ Catalyst 4500-X 16 Port 10G IP Base, Front-to-Back, No P/S erate 70% discount	1	8,128	8,128
Network/Access Costs	PVDM4-32 32-channel DSP module	1	864	864
Network/Access Costs	IE-3010-16S-8PC Rack Mount Switch 16 100 SFP,8 10/100 PoE,2 GEuplinks. No PS	1	2,385	2,385
Network/Access Costs	CON-ECMU-C1FPAIR SWSS UPGRADES C1 Foundation Perpetual - Wireless	4	37	148
Network/Access Costs	C1FPAIRK9 Cisco ONE Foundation Perpetual - Wireless	4	179	716
Network/Access Costs	CON-ECMU-BE1U1XCU SWSS UPGRADES BE6000 v11 UCL Starter licenses	2	175	350
Connections/Components	Subcontractor for Access Point installation	1	1,250	1,250
Connections/Components	Wireless configuration	1	1,266	1,266
Professional Services	Project Mgmt	1	7,400	7,400
Professional Services	PS-SNY-ADV Professional Services - Environmental	1	4,413	4,413
Connections/Components	Switch installation and configuration	1	18,679	18,679
Network/Access Costs	SMX2000RMLV2UNC APC Smart-UPS X 2000VA Rack/Tower LCD 100-	5	1,474	7,370

School Connectivity

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	127V with Network Card			
Network/Access Costs	CON-OS-ISR4321V SNTC-8X5XNBDOS Cisco ISR 4321 UC Bundle PVDM4-32 UC L One Year	2	333	666
Network/Access Costs	CON-OS-ISR4351V SNTC-8X5XNBDOS Cisco ISR 4351 UC Bundle PVDM4-64 UC L One Year	2	1,184	2,368
Network/Access Costs	CON-OS-ISR4351V SNTC-8X5XNBDOS Cisco ISR 4351 UC Bundle PVDM4-64 UC L	1	1,874	1,874
Network/Access Costs	CON-ECMU-UCN10XVM	730	6	4,380
Network/Access Costs	Air CAP2702I-B-K9 Access Point	2	556	1,112
Network/Access Costs	AIR CAP3702P-B-K9	2	810	1,620
Network/Access Costs	CON-ECMU-UCMENHUC Licenses	412	17	7,005
Network/Access Costs	CON-ECMU-UCMUCBAS Licenses	22	11	242
Professional Services	Architect fees	1	12,000	12,000
Network/Access Costs	CON-OS-WACS16S Core Switch Power Supply Warranty First year	2	945	1,890

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

(No Response)

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

(No Response)

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

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

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

(No Response)

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

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

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

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

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

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

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.

Coxsackie Athens Central School District contracts for internet services through Mid-Hudson Cable.
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)

	Number of Students	Multiply by 100 Kbps	Divide by 1000 to Convert to Required Speed in Mb	Current Speed in Mb	Expected Speed to be Attained Within 12 Months	Expected Date When Required Speed Will be Met
Calculated Speed	1,349	134,900	134.9	500	500	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.

During the fall of 2017, Coxsackie Athens school staff worked with the planning staff from the Northeast Regional Information Staff, the technical design team at Esolutions, and the equipment experts at Annese and Associates. During this process, the district reviewed all of the spaces, their normal student counts, and their instructional use. Assuming one device per student, the district determined that their current coverage exceeds the demands of a one-to-one environment.

4. All New York State public school districts are required to complete and submit an Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations.
Districts that include educational technology purchases as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.

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

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

The district intends to begin converting from traditional interactive white boards to Dell interactive displays. The current interactive white boards are beginning to fail and these boards are the first generation of the replacement plan. These boards actually have less of a demand for power and generate less heat than the existing equipment. All classroom exceed the capacity required for electrical and HVAC for these boards.
The district also proposes purchasing Apple iMac computers to replace existing teacher computers and Lenovo Thinkpad E470 laptops to replace existing student laptops. As this is a one-to-one replacement, there will be no additional power or HVAC demands from this purchase.

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?"

Over the last several years, Coxsackie Athens has had a very successful program using Interactive White Boards in every classroom. The boards being proposed will go into all classrooms whether for regular education students or for students with disabilities. Currently 100% of the classrooms have interactive white boards and this plan continues to support that environment.
Interactive displays allow teachers to present from the front of the room, but also using interactive devices as they move around the room. The teachers are able to focus on instruction rather than being "chained" to the front of the room. All students are supported by this practice and they are not limited by the location of their classrooms.
The district is also proposing to purchase replacement desktop and laptop computers. These units are placed in all classrooms for the instruction of all students. It is particularly of benefit to students with disabilities. Coxsackie Athens is a Google district and many of the teachers utilize the Google Apps and the Google Classroom management system. Students with disabilities can use the Google apps to read written text out loud and they can also read into the app and have it scribed for them. Students will be evaluated on their efforts, not on their ability to use technology.
English Language Learners will benefit from the integration of the chromebooks. Google and chrome offer a direct translation of text. English Language Learners can convert native language text to English and English text directly to the native language. The ability to convert allows the relevant text to be used in real time when it directly impacts instruction rather than later when a translator can respond. The translation software also allows the use of the same instructional text as the other students making the instruction relevant and allowing the ELL student to collaborate.

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.

This proposal does not directly impact ongoing communication with parents and other stakeholders. The district has adopted a student management system that has a robust Parent Portal allowing parents to check attendance, homework assignments, and grades in real time.

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 district's professional development plan has created and embedded a 30 minute Professional Learning Period (PLP) at the start of each school day as a time for professional development and learning for Administrators, Teachers, and Staff. During PLP time the Technology Services Department routinely presents and provides training to to these stakeholders on the adoption, integration, and use of both existing and new technological tools. In addition, I.T. Security and Ed. Tech. best practices are often discussed during this time. The Technology Services Team then schedules individual/group PLP's as needed to further train staff on a specific piece of hardware or software. In the 2016-2017 school year the Technology Services Department met 54 times (on average) with staff from each individual school building and we pushed into classrooms to assist with technology integrations 66 times.

In the 2016-2017 school year the district implemented a micro-credential (digital badge) platform for utilization by all staff to further develop and enhance their technology skills. Staff members can use this platform to self assess their technology skills and individually complete technological challenges that best meet their needs and classroom goals. At this time there are 68 technology challenges available in this platform for staff to complete on their own. Many of these challenges culminate in a staff member earning a credential such as becoming an Apple or Google certified teacher. To date, 139 staff members have become Apple Certified Teachers. Once a challenge is completed, staff members submit evidence of their learning to an administrator for review and approval. To date, over 3,200 individual challenges have been successfully completed and badges awarded to users.

The Technology Services department also provides professional development opportunities to staff by inviting vendors in to conduct on-site and/or virtual professional development seminars to staff surrounding specific programs. Lastly, the Technology Services Department hosts an annual summer tech camp for staff with an opportunity for various technology training based in surveys administered to staff throughout the school year.

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.

University at Albany

9b. Enter the primary Institution phone number.

518-442-4988

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.

Dr Robert Bangert-Downs

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.

	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	71,976
Computer Servers	0
Desktop Computers	18,187
Laptop Computers	17,850
Tablet Computers	0
Other Costs	9,430
Totals:	**117,443**

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.

Classroom Learning Technology

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	Dell 70 Inch classroom display	24	2,999	71,976
Other Costs	Peerless-AV SmartMount SR560M Flat Panel Cart	23	410	9,430
Laptop Computers	Lenovo Thinkpad E470	30	595	17,850
Desktop Computers	Apple iMac MNE02LL/A	13	1,399	18,187

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	(No Response)
Enhance/Modernize Educational Facilities	(No Response)
Other Costs	(No Response)
Totals:	**0**

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

Pre-Kindergarten Classrooms

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

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

(No Response)

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

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

Project Number
(No Response)

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

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

(No Response)

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

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

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

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

High-Tech Security Features

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

Coxsackie Athens Central School district believes that all children deserve a safe and secure environment when the come to school. There are two important components to that process; communication and observation.
Having the ability to communicate with any location in the building in the event of an emergency is critical. Coxsackie Athens has an outdated classroom communication system that has many weaknesses. One problem is that it doesn't reach all of the spaces in the school. A second problem is that only one location at a time can be reached. Finally, the existing system has no capacity for digital display communication.
Coxsackie Athens is proposing that they use their Smart Bond funding to equip every space in their district with a contemporary voice over IP system. Every system would be connected through the computer network allowing centralized management and support. Devices that are failing would be detected immediately. In addition, the new devices would have the capacity to display pre-programed messages on the digital displays on every device. A message such as "there is an intruder in the building, shelter in place" could be broadcast to the digital display minimizing the classroom disruption at critical moments. These units could also be reached in small groups or building wide simultaneously allowing the administration to contact a single room, a wing or grade level, or an entire building at the touch of a button. Reliably and quickly.
Coxsackie Athens is also proposing an upgrade and expansion of their video security system. The current system is limited by age and capacity. Coxsackie Athens is proposing the installation of new ip based cameras and new servers. The cameras can provide improved images in additional areas and the servers can expand the retention program from a few days to 30 to 45 days with additional archiving capacity for specific events.

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
190501040001BA1
190501040006BA1
190501040007BA1

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
CS Arch/Daniel Woodside	28237
Eric Sheffler Engineered Solutions	81621

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)	

	Sub-Allocation
	0
Electronic Security System	419,818
Entry Control System	65,000
Approved Door Hardening Project	0
Other Costs	67,130
Totals:	**551,948**

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	Axis P3225-V MKII 2MP Fixed Ceiling/wall mount camera	109.00	500	54,500
Electronic Security System	Axis P1427-LE-5MP Bullet style Wall mount camera	31.00	750	23,250
Electronic Security System	Axis P5635 MKII PTZ 1080P With 30x Optic Zoom Pole Mount	2.00	1,844	3,688
Electronic Security System	Axis P3707-PE 8 MP multisensor camera 1080P	3.00	2,000	6,000
Electronic Security System	Axis A8004-VE Network Video Door Station 720P Two Way Voice Communication	4.00	1,200	4,800
Electronic Security System	S2-NETVR-120 video server	3.00	4,687	14,061
Electronic Security System	S2-NETVR-8TB-HDD	14.00	893	12,502
Electronic Security System	Installation and configuration of video cameras, video servers and door cameras	1.00	81,000	81,000
Electronic Security System	CP-7811-K9= Cisco UC Phone 7811	11.00	99	1,089
Electronic Security System	CP-7811-WMK= Spare Wallmount Kit for Cisco UC Phone 7811	9.00	38	342
Electronic Security System	CP-7841-K9= Cisco UC Phone 7841	165.00	185	30,525
Electronic Security System	CP-8821-K9-BUN Cisco Unified Wireless IP Phone 8821 World Mode Bundle	12.00	450	5,400
Electronic Security System	CP-8831-K9= Cisco 8831 Base/Control Panel for North America	2.00	760	1,520
Electronic Security System	CP-8841-K9= Cisco IP Phone 8841	49.00	262	12,838

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	CP-8851-K9= Cisco IP Phone 8851	13.00	312	4,056
Electronic Security System	CP-BEKEM= Cisco IP Phone 8800 Key Expansion Module	26.00	249	6,474
Electronic Security System	FL-CME-SRST-100 SRST-100 Seat License (CME uses CUCME Phone License ONLY)	2.00	1,168	2,336
Electronic Security System	FL-CME-SRST-25 SRST-25 Seat License (CME uses CUCME Phone License ONLY)	4.00	330	1,320
Electronic Security System	IPTA-IC-R SINGLEWIRE INFORMACAST RESILIENCY	300.00	8	2,400
Electronic Security System	IPTA-IC250 InformaCast Advanced Notification - Endpoint Licensing - 250 License Bundle	1.00	6,120	6,120
Electronic Security System	ISR4321-V/K9 Cisco ISR 4321 Bundle w/UC License CUBE-10	1.00	1,572	1,572
Electronic Security System	ISR4351-V/K9 Cisco ISR 4351 UC Bundle PVDM4-64 UC License CUBEE25	1.00	5,588	5,588
Electronic Security System	KE4226 Cyberdata VoiP Paging server	2.00	195	390
Electronic Security System	NIM-1MFT-T1/E1 1 port Multiflex Trunk Voice/Clear-channel Data T1/E1 Module	1.00	726	726
Electronic Security System	NIM-2FXS/4FXO 2-Port FXS/FXS-E/DID and 4-Port FXO Network Interface Module	2.00	711	1,422
Electronic Security System	TAMB2 Bogen TAMB2 Telephone Paging Access Module	2.00	332	664
Electronic Security System	VG202XM Cisco VG202XM Analog Voice Gateway	8.00	404	3,232
Electronic Security System	ZONEC-2-IC AND Zone Controller (Singlewire)	2.00	540	1,080
Electronic Security System	BE6K-START-UCL35 BE6000 Starter Bundle with 35 UCL Enh and 35 vmail Licenses	1.00	254	254
Electronic Security System	BE6K-UCL-BAS Cisco Business Edition 6000 - Basic User Connect License	11.00	64	704
Electronic Security System	BE6K-UCL-ENH Cisco Business Edition 6000 - Enhanced User Connect License	206.00	107	22,042

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	BE6K-UCL-ESS Cisco Business Edition 6000 - Essential User Connect License	20.00	20	400
Electronic Security System	BE6K-UCL-VM Cisco Business Edition 6000- Voicemail/Unified Messaging Lic	365.00	38	13,870
Electronic Security System	BE6M-M4-K9= Cisco Business Edition 6000M Svr (M4) Export Restricted SW	2.00	4,775	9,550
Electronic Security System	CON-ECMU-UCN10XVM SWSS UPGRADES BE6K - Unity Connect	730.00	6	4,380
Electronic Security System	CON-ECMU-UCMUCBAS SWSS UPGRADES BE6K UCM 10X Basic U	22.00	11	242
Electronic Security System	CON-ECMU-UCMESSUC SWSS UPGRADES BE6K UCM 10X Essenti	40.00	4	160
Electronic Security System	CON-ECMU-UCMENHUC SWSS UPGRADES BE6K UCM 10X Enhance	412.00	17	7,004
Electronic Security System	PS-SNY-ADV Professional Services - System configuration and programming	1.00	39,721	39,721
Other Costs	Project Mgmt	1.00	11,130	11,130
Other Costs	Construction Contingency	1.00	20,000	20,000
Entry Control System	EP-1501 Mercury powered Door Controller	17.00	900	15,300
Entry Control System	S2-MNP Micronode Plus Door Controller	4.00	1,500	6,000
Entry Control System	S2-EXT-64-RM Extreme Controller	1.00	8,000	8,000
Entry Control System	Installation EP-1501	17.00	750	12,750
Entry Control System	Installation S2 Micronode	4.00	750	3,000
Entry Control System	Installation S2 Controller	1.00	2,500	2,500
Entry Control System	Bosch ISC-PDL1-W18G Motion Detector	26.00	50	1,300
Entry Control System	Bosch B942 Door Keypads	8.00	200	1,600
Entry Control System	GE Double Pole Double Throw Model 1076D Door Contacts	25.00	10	250
Entry Control System	Bosch Model B8512G-C Security Panel	1.00	2,000	2,000
Entry Control System	Door Control Wiring	49.00	200	9,800
Entry Control System	Installation and Configuration of Door Security System	1.00	2,500	2,500
Electronic Security System	CON-OS-VG202XM SNTC-	16.00	56	896

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
	8X5XNBDOS Cisco VG202XM Analog 1 year			
Electronic Security System	CON-SNT-CP78119K SNTC-8X5XNBD Cisco UC Phone 7811 1 year	22.00	7	154
Electronic Security System	CON-SNT-CP7841K9 SNTC-8X5XNBD Cisco UC Phone 7841 1 year	270.00	7	1,890
Electronic Security System	CON-SNT-CP8831K9 SNTC-8X5XNBD Cisco 8831 IP Confer Phone w/ controller 1 year	4.00	39	156
Electronic Security System	CON-SNT-CP8841K9 SNTC-8X5XNBD Cisco UC Phone 8841 1 year	90.00	12	1,080
Electronic Security System	CON-SNT-CP8851K9 SNTC-8X5XNBD Cisco UC Phone 8851 1 year	6.00	14	84
Electronic Security System	CON-SNT-CP88K9BN SNTC-8X5XNBD Cisco Unified Wireless 1 year	24.00	61	1,464
Electronic Security System	CON-SNT-CPBEKEM SNTC-8X5XNBD Cisco IP Phone 8800 Key Expansion Module 1 year	20.00	7	140
Electronic Security System	IPTA-M1Y-B 1 Year Maintenance --. Per End Point License -- 250 License Tier	600.00	7	4,200
Other Costs	Architect fees	1.00	36,000	36,000
Electronic Security System	T91L61 Wall & Pole Adpt for P5635	2.00	91	182
Electronic Security System	S2-VR-1C IP Camera License	149.00	150	22,350