Institution ID
800000037678

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

Jack Renda Jr.

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

631-471-1725

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

jrenda@sachem.edu

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

5. Does your district contain nonpublic schools?

☑ Yes
☐ Yes, but they have since closed or moved out of district
☐ No

6. 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.

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.

Smart Schools FAQ Website.docx
SSIP for PrintRev3.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.

http://sachem.edu/departments/instructional_technology

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.

13,450

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:

$11,060,106

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	13,756	185	13,941.00	1.33

13. 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 zero, you will not be required to complete that survey question.

	Sub-Allocations	Expenditure Totals	Difference
School Connectivity	6,729,501.80	6,729,501.80	-0.00
Connectivity Projects for Communities	0.00	0.00	0.00
Classroom Technology	144,700.00	144,700.00	0.00
Pre-Kindergarten Classrooms	0.00	0.00	0.00
Replace Transportable Classrooms	0.00	0.00	0.00
High-Tech Security Features	4,139,652.27	4,139,652.27	0.00

SSIP Overview

	Sub-Allocations	Expenditure Totals	Difference
Nonpublic Loan	46,250.00	46,250.00	0.00
Totals:	**11,060,104**	**11,060,104**	**-0**

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 Sachem Central School District, in anticipation of new recommendations from E-Rate, SEDTA and the FCC, upgraded WAN connectivity, district firewalls and egress to accommodate higher bandwidth for immediate and future growth. The installation of multistrand 10Gb links between collocated data centers and both multistrand and redundant fiber links to all schools, prepared the district for connectivity between buildings which can grow with the increasing needs of technology and regulation requirements. A significant portion of the Smart Schools Plan for Connectivity is the upgrade to all LAN switch connections, ensuring 10Gb connections within the schools to switches, while also maximizing the investment by consolidating switches from each classroom to IDF locations already built.

Setting benchmarks to augment the Internet access systems over the last two years in preparation for this submission, 10Gb fiber lines were first installed, followed by high bandwidth capable routers and the initiation of incremental bandwidth increases. Bandwidth was increased yearly to our current configuration of two load balanced lines rated at 1Gps and 990 Mbps for a total of 1.99Gbps. While the load currently maintained by the district on these lines is far from saturation, we anticipate the level of access to grow exponentially as district and personal devices are connected and content for media and apps continued to grow and be utilized in the classroom. This bandwidth usage will be closely monitored and shaped to ensure instructional priority, and continue to be increased as needed based on usage as the new endpoint devices and the installation of a robust wireless network yields the increase of all user accessibility to online curricular and rich media content.

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	13,435	1,343.50	1,990	(No Response)	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.

The Sachem Central School District intends to utilize Smart Schools Bond Act funding to significantly upgrade all district switches, cabling and build a ubiquitous wireless system for all student, faculty and administrative needs. The goal is to create district-wide wireless coverage at all buildings for district owned as well as student owned devices for online access to content and curriculum for student learning. To accomplish this goal, the district plans to upgrade all district fiber and copper cabling, running new cabling as well for the expansion needed to bring wireless to every classroom, hallway and common area. The planning also accounts for the tremendous need to upgrade all district switches which are currently over 10 years old, in order to accommodate the additional bandwidth to and from the building as well as to all classrooms, access points and end point devices. Finally, the additional wiring and wireless coverage will provide multiple options for computer based testing, as it becomes required by the New York State Education Department and the increasing use of online assessment tools.

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.)

The incorporation of technology as a natural part of education is the focus and schema guiding the procurement, use and review of technology. The district seeks to provide an exemplary learning experience for all users, it requires the improvement of infrastructure, to support and also engage learners in this information based global society. Regular use of technology is not only identified for students, but also for faculty, staff and administration, and their continued staff development is also of considerable interest as the district works to improve teaching and learning.
To support the creativity and inquisitive nature of learning, considerable investments in infrastructure, wireless, interactive presentation devices and mobile technology are at the core of the Smart Schools projects. By providing access to technology and resources, increasing opportunities for informative assessments and the collaborative and collective sharing of content, learning and data, the district seeks to foster personal, creative and academic excellence for all users. The increased deployment and implementation of technology integrated into the Special Education and ENL departments and curriculum have grown to an expansive range of devices and equipment providing access to a rich learning environment for diverse learners. Upgrades will provide equitable opportunities for all students for online and network based resources through accessibility and device provisioning. The maintenance and development of systems which will ensure relevant and up to date content will engender greater impact with real time collaboration and curricular offerings that are operating system or device agnostic, and will continue to provide pertinent data to drive decisions and guide instruction.

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.

The use of Smart Schools Bond Act funds will be used to build a robust wireless network In addition to a high speed multi-strand fiber network with 10Gb fiber strands connecting the district's data centers and multiple 1Gb strands connecting all other peripheral schools, the district WAN is designed for high speed capabilities. The Smart Schools project plan outlines 10Gb switches for LAN upgrades within each building. Initial wireless access point discoveries were conducted and were newly revisited to design heat bloom maps to ensure proper coverage of all areas of the district's 15 school buildings, including common areas and many outdoor areas. These maps were updated to maximize coverage and bandwidth, taking into account building structure, layout, and student distribution with new device and technological capabilities. The implementation of all new core and edge switches ensure sufficient power and speed connectivity while also providing for any new network and data security protocols commensurate with new technologies.

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
58-02-05-06-7-999-008
58-02-05-06-7-999-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
John M. Grillo	27360

9. Public Loanable Expenditures

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	Meraki MR74 Cloud Managed AP	64	741.47	47,454.08
Network/Access Costs	Meraki 5GHz Sector Antenna	64	184.97	11,838.08
Network/Access Costs	Meraki MR42 Cloud Managed AP	1,155	582.47	672,752.85
Network/Access Costs	Meraki 2.4GHz Sector Antenna	64	184.97	11,838.08
Network/Access Costs	4510R+E Chassis, Two WS-X4748-RJ45V+E, Sup8-E	12	22,011.00	264,132.00
Network/Access Costs	Catalyst 4500 E-Series 12-Port 10GbE (SFP+)	2	16,440.10	32,880.20
Network/Access Costs	Catalyst 9500 48-port x 1/10/25G + 4-port 40/100G, Essential	2	13,630.00	27,260.00
Network/Access Costs	9500 24x1/10/25G and 4-port 40/100G 1Y DNA Essentials	2	12,528.00	25,056.00
Internal Components and Connections	Catalyst 4500 E-Series Redundant Supervisor 8-E	12	12,177.10	146,125.20
Network/Access Costs	Nexus 9K Fixed with 48p 10G SFP+ and 6p 40G OR 4p 100G	8	11,600.00	92,800.00

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	Supervisor B+ for Nexus 9500	4	11,600.00	46,400.00
Internal Components and Connections	Nexus 9500 linecard, 48p 1/10G-T & 4p QSFP	8	11,600.00	92,800.00
Internal Components and Connections	Fabric Module for Nexus 9508 chassis	8	9,280.00	74,240.00
Internal Components and Connections	Cisco 10GBASE-ZR SFP10G Module for SMF	2	9,280.00	18,560.00
Network/Access Costs	Nexus 9508 Chassis with 8 linecard slots	2	8,700.00	17,400.00
Network/Access Costs	Catalyst 4500E 48-Port UPOE 10/100/1000(RJ45)	29	5,852.80	169,731.20
Internal Components and Connections	10GBASE-ER SFP Module	4	5,800.00	23,200.00
Network/Access Costs	Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base	181	4,637.10	839,315.10
Internal Components and Connections	Catalyst 4500 6000W AC dual input Power Supply (Data + PoE)	24	2,433.10	58,394.40
Internal Components and Connections	10GBASE-LR SFP Module	24	2,401.20	57,628.80
Internal Components and Connections	existing closets; 1000BASE-ZX SFP transceiver module, SMF, 1550nm, DOM	6	2,378.00	14,268.00
Internal Components and Connections	Nexus 9500 3000W Universal PS, Port-side Intake	8	2,030.00	16,240.00
Network/Access Costs	WS-X4748-UPOE+E Upgrade	12	1,740.00	20,880.00
Internal Components and Connections	Cisco pluggable SSD storage	4	1,740.00	6,960.00
Internal Components and Connections	650W AC Config 4 Power Supply front to back cooling	4	1,218.00	4,872.00
Internal Components and Connections	Catalyst 2960-X FlexStack Plus Stacking Module	176	693.10	121,985.60
Internal Components and Connections	QSFP40G BiDi Short-reach Transceiver	40	635.10	25,404.00
Internal Components and Connections	1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM	32	597.40	19,116.80
Internal Components and Connections	10GBASE-SR SFP Module	340	577.10	196,214.00
Internal Components and Connections	existing closets; 1000BASE-SX SFP transceiver module, MMF, 850nm, DOM	75	301.60	22,620.00
Internal Components and Connections	1000BASE-T SFP transceiver module for Category 5 copper wire	44	264.00	11,616.00

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	Console Cable 6 ft with USB Type A and mini-B	64	17.40	1,113.60
Network/Access Costs	UCS C220 M4 SFF w/o CPU, mem, HD, PCIe, PSU, rail kit	4	2,119.80	8,479.20
Network/Access Costs	16GB DDR4-2400-MHz RDIMM/PC4-19200/single rank/x4/1.2v	16	679.20	10,867.20
Network/Access Costs	Qlogic QLE8442 dual-port 10GBase-T NIC	4	1,006.80	4,027.20
Network/Access Costs	Ball Bearing Rail Kit for C220 M4 and C240 M4 rack servers	4	132.00	528.00
Network/Access Costs	64GB SD Card for UCS Servers	8	218.40	1,747.20
Network/Access Costs	770W AC Hot-Plug Power Supply for 1U C-Series Rack Server	8	419.40	3,355.20
Network/Access Costs	Cisco 12G SAS Modular Raid Controller	4	393.60	1,574.40
Network/Access Costs	Cisco 12Gbps SAS 1GB FBWC Cache module (Raid 0/1/5/6)	4	730.20	2,920.80
Network/Access Costs	2.40 GHz E5-2640 v4/90W 10C/25MB Cache/DDR4 2133MHz	4	1,790.40	7,161.60
Network/Access Costs	600GB 12G SAS 10K RPM SFF HDD	16	643.80	10,300.80
Network/Access Costs	Intel i350 quad-port MLOM NIC	4	402.60	1,610.40
Network/Access Costs	Smart-UPS 1500Va w/Smart Connect	60	650.00	39,000.00
Network/Access Costs	Smart-UPS SRT 8000VA/8000W 208V RM Online UPS	15	5,400.00	81,000.00
Network/Access Costs	Smart-UPS SRT 192V 8kVA 3U RM Battery Pack	15	1,140.00	17,100.00
Network/Access Costs	Smart-UPS 20kVA System Build	2	20,000.00	40,000.00
Network/Access Costs	SC, 1.92TB, SAS, 12Gb 2.5	72	2,672.89	192,448.08
Network/Access Costs	SCv30X0 Dual Controller Components (449-BBLE) Total	3	2,526.25	7,578.75
Network/Access Costs	SCv3020 3Ux30 Drive Storage Array (210-ALVZ) Total	3	1,266.65	3,799.95

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
Network/Access Costs	SC, 6TB, SAS, 12Gb, 7.2K, 3.5	72	933.30	67,197.60
Network/Access Costs	Enclosure Mangement Module, Dual (403-BBKM) Total	6	928.20	5,569.20
Network/Access Costs	Dell EMC SCv300 Enclosure (210-ALZF) Total	6	918.00	5,508.00
Network/Access Costs	ProDeploy Dell Storage SC Series vXXXX SAN up to 8 hosts- Deployment (805-2824) Total	3	884.36	2,653.08
Network/Access Costs	SFP-10G-SR=Cisco 10GBase-SR SFP+ Transceiver - 1 x 10GBase-SR Total	24	597.00	14,328.00
Network/Access Costs	Redundant Power Supply (450-AGJN) Total	3	479.40	1,438.20
Network/Access Costs	ProDeploy Dell Storage SCv Disk Series 300/320 2U Enclosure Deployment (814-0236) Total	6	379.13	2,274.78
Network/Access Costs	IO, 10Gb iSCSI, 4 port, PCI-E, SFP+ w/o Optics, Full Height (406-BBLZ) Total	6	253.80	1,522.80
Network/Access Costs	SC, RJ45, 4-port, Mezz Card (403-BBPE) Total	6	249.10	1,494.60
Network/Access Costs	Power supply, AC 600W, Redundant (450-AEBJ) Total	6	219.30	1,315.80
Network/Access Costs	ProDeploy Dell Storage SC Disk Series 300/320 2U Enclosure Deployment Verification (814-0237) Total	6	159.19	955.14
Network/Access Costs	SC Bezel (350-BBKJ) Total	3	141.00	423.00
Network/Access Costs	ProDeploy Dell Storage SC Series vXXXX SAN - Deployment (805-2826) Total	3	134.91	404.73
Network/Access Costs	12Gb HD-Mini to HD-Mini SAS cable, 2m (470-ABDO) Total	6	51.64	309.84
Network/Access Costs	Rack rail, 2Us, Static (770-BBJE) Total	6	50.49	302.94
Network/Access Costs	12Gb HD-Mini to HD-Mini SAS cable, 0.5m (470-ABDN) Total	6	40.29	241.74
Network/Access Costs	Dell EMC SCv300 Bezel (325-BCMQ) Total	6	33.15	198.90

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	Rack rail, 2Us, Static (770-BBUJ) Total	3	21.15	63.45
Network/Access Costs	Power Cord, 125V, 20A, NEMA 5-20 to C19, 10 feet (450-AFEU) Total	6	11.75	70.50
Network/Access Costs	Power Cord, C13 to C14, PDU-Style, 12 Amps, .6 meter, Qty 1 (492-BBEC) Total	12	10.20	122.40
Network/Access Costs	Hard Drive Filler 2.5in, single blank (400-AEPR) Total	18	0.47	8.46
		2,935	**222,543.80**	**3,730,998**

10. Public Non-Loanable Expenditures

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
Connections/Components	Meraki Access Point network setup and configuration - not installation	1	169,000.00	169,000.00
Connections/Components	Replacement of all building LAN fiber for 10Gb connectivity	1	176,340.00	176,340.00
Connections/Components	Replacement of all building LAN Category cabling with Category 6 cabling for all sites	1	1,619,400.00	1,619,400.00
Connections/Components	Nexxus and CISCO network setup and configuration	1	324,990.00	324,990.00
Connections/Components	CISCO ISE Implementation/Configuration	1	20,800.00	20,800.00
Network/Access Costs	NX-OS Essentials license for Modular Platforms Slot 8-16	2	14,500.00	29,000.00
Network/Access Costs	SNTC-8X5X4OS Nexus 9508 Chassis	2	6,727.50	13,455.00
Network/Access Costs	Paper IP to Ent Services License	12	6,087.10	73,045.20
Network/Access Costs	SOLN SUPP 8X5X4OS Catalyst 9500 48-port 25/100G only, Essential	2	3,469.70	6,939.40
Network/Access Costs	8X5X4OS 4510R+E Chassis, Two	12	3,346.85	40,162.20
Network/Access Costs	SOLN SUPP 8X5X4OS 9500 1Y DNA Essentials, HW	2	2,254.85	4,509.70
Network/Access Costs	SWSS UPGRADES NX-OS Essentials license for Modular Plan	2	1,925.00	3,850.00
Network/Access Costs	DNA Essential 3 Year License	2	1,102.00	2,204.00
Network/Access Costs	SNTC-8X5X4OS Nexus 9300 with 48p 10G SFP+ and 6p 40G	8	622.70	4,981.60

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
Network/Access Costs	8X5X4OS Catalyst 2960-X 48 GigE PoE 740W, 2 x 10	181	594.10	107,532.10
Network/Access Costs	Cisco Catalyst 9500 High Density 1-Year License	2	585.80	1,171.60
Network/Access Costs	Preliminary US GPL - Meraki MR Ent License 5 Years	1,219	184.50	224,905.50
Network/Access Costs	Cisco Identity Services Engine VM (eDelivery)	4	4,133.10	16,532.40
Network/Access Costs	Cisco ISE Device Admin License	1	2,760.00	2,760.00
Network/Access Costs	Cisco Identity Services Engine 10000 EndPoint Base License	2	17,250.00	34,500.00
Network/Access Costs	Cisco ISE 1-Yr 5K Endpoint Plus License	1	16,560.00	16,560.00
Network/Access Costs	Cisco ISE 1-Yr 5K Endpoint Apex License	1	12,006.00	12,006.00
Network/Access Costs	Cisco AnyConnect Apex License, 1YR, 5K-9999 Users	5,000	1.20	6,000.00
Network/Access Costs	8X5X4OS UCS C220 M4 SFF w/o CPU, mem, HD	4	363.35	1,453.40
Network/Access Costs	VSphere Standard for 1 CPU; ANNUAL List 1-YR Reqd	4	245.70	982.80
Network/Access Costs	SW APP SUPP Cisco Identity Sevices Engine VM (eDelivery)	4	584.35	2,337.40
Connections/Components	CISCO ISE Configuration and Installation	1	35,365.00	35,365.00
Network/Access Costs	VMware vSphere 6 Standard (1 CPU), 1-yr, Support Required	4	995.00	3,980.00
Network/Access Costs	Storage Protection Bun, SW Lic (Includes: RIRA, Live Volume, Replay Mgr) (634-BKCN) Total	3	2,820.00	8,460.00
Network/Access Costs	ProSupport Plus Mission Critical: 4-Hour 7x24 Onsite Svc w/Emergency Dispatch 3 Years (814-3820) Total	3	383.05	1,149.15
Network/Access Costs	ProSupport for Software: 7x24 Storage Protectionn Bundle, 3 Years (815-3900) Total	3	1,522.80	4,568.40
Network/Access Costs	ProSupport Plus Mission Critical: 7x24 HW/SW Technical Support and Assistance, 3 Years (814-3821) Total	3	2,676.65	8,029.95
Network/Access Costs	Storage Optimization Bundle, SW License (Includes: Data	3	1,880.00	5,640.00

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
	Progression,FT) (634-BKCM) Total			
Network/Access Costs	ProSupport Plus Mission Critical:7x24 HW/SW Technical Support and Assistance, 3 Years (813-5740) Total	6	1,254.09	7,524.54
Network/Access Costs	ProSupport for Software 7x24 Storage Center Optimization Bundle, 3 Years (815-3897) Total	3	1,015.20	3,045.60
Network/Access Costs	ProDeploy Add-On: Replication Services for Dell Storage (Requires ProDeploy) (804-2162) Total	3	422.53	1,267.59
Network/Access Costs	ProSupport Plus Mission Critical: 4-Hour 7x24 Onsite Svc w/Emergency Dispatch 3 Years (813-5732) Total	6	250.92	1,505.52
Network/Access Costs	Dell Hardware Limited Warranty (814-3780) Total	3	207.74	623.22
Network/Access Costs	Dell Hardware Limited Warranty (813-5666) Total	6	199.92	1,199.52
Network/Access Costs	SHIP,SCV3020,DAO (340-BSDI) Total	3	129.25	387.75
Network/Access Costs	Dell EMC SCv300 Shipping, DAO (340-BSDL) Total	6	43.35	260.10
Network/Access Costs	Storage Center Core Software Bundle, Base License (634-BJUI) Total	3	26.41	79.23
		6,531	**2,455,025.71**	**2,998,504**

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	13,756	185	13,941.00	1.33

12. Loanable Budget Items

	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Network/Access Costs	2,773,239.53	33,094.00	2,806,333.53
School Internal Connections and Components	957,758.40	11,429.25	969,187.65
Other	(No Response)	0.00	0.00
Totals:	**3,730,997.93**	**44,523**	**3,775,521**

13. Non-Loanable Budget Items

	Sub-Allocation
Network/Access Costs	

	Sub-Allocation
	652,608.87
Outside Plant Costs	(No Response)
School Internal Connections and Components	2,345,895.00
Professional Services	(No Response)
Testing	0.00
Other Upfront Costs	0.00
Other Costs	0.00
Totals:	**2,998,503.87**

14. School Connectivity Totals

	Total Sub-Allocations
Total Loanable Items	3,775,521.18
Total Non-loanable Items	2,998,503.87
Totals:	**6,774,025**

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. 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)	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)

Community Connectivity (Broadband and Wireless)

	Sub-Allocation
Totals:	**0.00**

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 Sachem Central School District, in anticipation of new recommendations from E-Rate, SEDTA and the FCC, upgraded WAN connectivity, district firewalls and egress to accommodate higher bandwidth for immediate and future growth. The installation of multistrand 10Gb links between collocated data centers and both multistrand and redundant fiber links to all schools, prepared the district for connectivity between buildings which can grow with the increasing needs of technology and regulation requirements. A significant portion of the Smart Schools Plan for Connectivity is the upgrade to all LAN switch connections, ensuring 10Gb connections within the schools to switches, while also maximizing the investment by consolidating switches from each classroom to IDF locations already built.
Setting benchmarks to augment the Internet access systems over the last two years in preparation for this submission, 10Gb fiber lines were first installed, followed by high bandwidth capable routers and the initiation of incremental bandwidth increases. Bandwidth was increased yearly to our current configuration of two load balanced lines rated at 1Gps and 990 Mbps for a total of 1.99Gbps. While the load currently maintained by the district on these lines is far from saturation, we anticipate the level of access to grow exponentially as district and personal devices are connected and content for media and apps continued to grow and be utilized in the classroom. This bandwidth usage will be closely monitored and shaped to ensure instructional priority, and continue to be increased as needed based on usage as the new endpoint devices and the installation of a robust wireless network yields the increase of all user accessibility to online curricular and rich media content.

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	13,435	1,343.50	1,990	(No Response)	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.

The use of Smart Schools Bond Act funds has been designed around the desire to build a robust wireless network. In addition to a high speed multi-strand fiber network with 10Gb strands connecting the district's data centers, and multiple 1Gb strands connecting all other peripheral schools, the district WAN is designed for high speed redundancy capabilities. The Smart Schools project plan outlines 10Gb switches for LAN upgrades within each building as well. Maximizing speed and bandwidth within schools to each classroom. Initial wireless access point discoveries were conducted and were newly revisited to design heat bloom maps which will ensure proper coverage of all areas of the district's 15 school buildings. This includes common areas and some outdoor areas. These maps were updated to maximize coverage and bandwidth, taking into account building structure, layout, and student distribution with new device and technological capabilities. The implementation of all new core and edge switches ensure sufficient power and speed connectivity, while also providing for any new network and data security protocols commensurate with new technologies.

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.

Designed with the future in mind Sachem's Smart Schools Investment Plan not only takes into account the district's current infrastructure, but also works to condense and consolidate devices to maximize the efficient use of resources. This design takes advantage of existing climate controlled environments and properly monitored and managed solutions built to safeguard those systems.
The consolidation of switches will allow the district to remove devices used at a minimal percentage from classroom locations throughout the district and consolidate them into pre-existing network closet locations. This consolidation not only assists in maximizing switch usage, but also reduces classroom noise and can be fully monitored in IDF locations with existing temperature and humidity controlled probes. These devices provide consistent monitoring of climate controls, with automation to inform the Instructional Technology Administrator and generate network alerts when readings are outside the marked boundaries. Utilization of the existing network closet locations also maximizes use of power supply units and HVAC devices which were sized to manage the additional BTUs of heat.
Power distribution for each site has also been built to accommodate the increased concentration of devices and the installation of UPS devices are in replacement of devices which were previously installed. As such, specialized outlets and circuit ratings are already in place or easily adjusted based on any small variations or needs required by dual power supplies. Clean power is run into all classrooms and will be used for all charging carts, document cameras and new interactive projector installations.
Due to the fact that the district is conducting replacements rather than additions of battery and power distribution units in nearly all cases, weight distribution or stresses are not of concern in working with the district's Facilities Office.
From a networking perspective, the district has aligned to procure products which will integrate with existing systems and also enhance options and feature sets throughout the network. New switches will allow better routing policy configurations as well as greater connectivity and intelligence which will greatly benefit the district's user access functionality. The build out of a complete wireless framework for the advent of a large access point deployment and rollout, has prepared the district and its users for secure yet custom tailored access based on roles.
The purchase of devices for presentation are standardized on document cameras and interactive projectors which are more compatible with the work and requests of the teachers and their desire to use of the whiteboard resources in both an online and offline capacity.
Finally, laptop devices are planned based on a Windows configuration. This design will provide full network access based on a user's permissions and profiles, yet also remain fully manageable from the district's centralized systems. The move to device or operating system agnostic services, means that from these devices, the district users will effectively be able to access online curriculum, textbook, support and assessment resources. Additionally, web based systems provide access to resources when users are outside the district as well as through the wireless infrastructure on personal devices as permitted.

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.

As Sachem completes this first submission of the Smart Schools Investment Plan, we have prioritized items from the Classroom Connectivity section to meet our greatest needs. The district maintains an expectation to complete the procurement of additional devices in subsequent submissions realizing the full expectation of our Investment Plan as projects are completed and any remaining funding become visible.

Recognizing that learning not only takes place in the school building during the hours of the school day, the systems the Smart Schools Investment Plan will provide will allow greater access to classroom resources inside as well as outside the boundaries of the traditional classroom. Wireless access across our campuses will allow students to continue to work anywhere on campus as well as before and after school and greater curricular online access will extend learning beyond the district's physical confines and that of the schools hours of operation.

The acquisition of the devices in this submission provide access to technology devices, including presentation devices such as document cameras and interactive projectors, and laptop endpoint devices within mobile carts. Document cameras have also become extremely sought after by teachers, to present learning materials as well as allow students to conceptualize in new and unique ways. These methodologies thus work to meet the needs of various learners and exemplify skills that students need to acquire. These devices can be mobile, making their impact on many through the opportunities them make for sharing widespread. In addition, the installation of interactive whiteboard technology will make the equitable access for all teachers to these teaching modalities near complete. Through these devices teachers have a greater opportunity to present materials that meet the needs of auditory, visual and kinesthetic learners. The integration of mobile carts can also be easily be outfit with a wireless access point, making it a versatile mobile lab before the larger wireless deployment is complete. These devices will be used in part and in whole to help meet the needs of all students, but will be especially useful for diagnostic, assessment and instructional activities in many of our high student need classrooms at our youngest ages where such technology has become outdated, obsolete or broken. It is anticipated that the use of these products with this population will have a tremendous impact on early literacy skills and provide students with the time necessary to improve those skills. The use of mobile labs also gives us the opportunity to allow students to work individually on their skills, lessons and projects, and also work together in teams or collaborative groups.

To attain this equitable access to technology and meet the necessary level of curricular expectation, the Sachem Central School District has attained a level of networking that supports these efforts. This access is designed to meet the needs and requirements of all learners and account for the individualized requirements of those users with special needs and disabilities. Sachem envisions that members of the learning community will have access to information resources to communicate and collaborate on learning projects. This vision is built upon the infrastructure, system and training that is already in place.

The Sachem Central School District through coordinated efforts between the Office of Student Services and the Office of Instructional Technology, maintains an Adaptive Technology program to meet the needs of all students for whom such technologies are required as identified in the student's Individualized Education Program. Implementation of Assistive Technology devices, programming and service as identified through designation from a student's CSE/CPSE are provided for both regular and special educational environments. The installation of a robust mobile device management system also makes the management, deployment and updating of these devices efficient and timely. This efficiency serves the students well as not to cause any interruption in service for those who rely on these devices for communication and daily needs, as well as their classroom instruction. The use of specific mobile devices and wireless access points specific to learners such as our ENL students, has met with great success as it also has for many of those that are non-English speaking students, through the use of apps and online resources. These tools have given teachers the ability to more efficiently differentiate instruction as needed for these dynamic populations.

The provision of devices is many and varied and the district maintains inventory, inclusive of all such devices. They include netbooks, tablets, handhelds, keyboard devices, word processors, visual enhancements, touch screen devices, braille readers/printers and other ergonomic devices for computer use. Book readers have also being acquired for use with the special education population.

As the district has designed systems that ensure that all computers and devices in the district are connected to the wide area network as well as to the

Internet. This access has allows for the transition of students and teachers from building to building for programs that may regularly move and need to be supported in new locations. The uniformities in the network and its configurations make the movement and consistencies for students easily attainable. Configured to be the least intrusive to student learning, the design therefore makes the addition of network access points and the populating of user devices across the network campuses to meet the needs of all learners, readily integrated.

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

The intent to create a robust wireless network for BYOD access, as well as to provide access that ranges from a strong infrastructure through to endpoint devices, will significantly support the district's implementation of various curricular offerings and learning environments. The impact on the district's Google Apps for Education and Google Classroom platform will be substantial, providing greater concurrent access to throughout the school classrooms, common locations and outside the classrooms. The impact will also provide the necessary support for the level of media and online curricular offerings to which the district has been working to transition. These opportunities as well as the every increasing offerings of teacher, department and school level websites, will continue to provide students, teachers and parents enhanced and increased communication options.

The use of these platforms as well as offerings for Office 365 and other online platforms used by the district will greatly increase collaborative opportunities for students within and through the district's domains. This enhanced and always accessible collaborative effort gives students and teachers a more robust experience of learning and instruction which takes advantage of the fact that learning can occur any place or any time. This model moves learning beyond the walls and schedule of the physical building, through the constraints of the hours of the school day or geographic separation within the building or between buildings. It allows for real time access when students can be more autonomous or self-directed in their learning.

Furthermore, enhancements in connectivity and bandwidth will allow for the growth of our current online distance learning potentials. This will engender more collaborative experiences and additional virtual field trip or true distance learning experiences with experts in various fields in the local and global community. In situations where access to content and coursework not locally, regionally or nationally available, greater online access puts global resources in the hands of students and teachers. Finally, these investments will reap rewards for the district as we define and design to keep students, teachers and parents connected in future options for off-site learning, alternative location education, medical accommodations and credit recovery.

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."

With a strong commitment to professional development, the Sachem Central School District maintains the use of Eastern Suffolk BOCES Model Schools Program professional developers to guide teacher training in both administrative and instructional uses of technology. Integration of technology into the curriculum is the focus of that instruction which is carried out through the "coach/mentor" model, project based learning, direct instruction, workshops, and individual support. Teachers are provided opportunities to gain the skills necessary to effectively utilize technology in various modalities to deliver instruction in a way that will enhance student achievement. Staff development by this team is primarily workshop based, with a myriad of workshops offered. The workshops each year are centered around 3 main needs identified at each building. These workshops are often differentiated to encompass building, grade level and individual needs and can change throughout the year, based on assessed needs.

There is consistent work each year to provide instruction to teachers on creating websites, learning classroom resources like document cameras and interactive whiteboards, the use or creation of video and media, as well as newer interest in coding, robotics and programming. The district has also continued to provide training and certification in Google Classroom and will be also offering similar support in the offering of Office365.

Professional Development can take place during the Professional Development Period (PDP) before or after the school day, aggregated PDP time, teacher prep time, common planning time, faculty training and staff development sessions. Development of the building specific identified needs is done in coordination with the building principal, staff interest and districtwide initiatives. It is primarily conducted instructionally by the building Teacher Integration Specialist and technologically by the building School Computer Aide.

The district is also a member of the Eastern Suffolk BOCES Model Schools Consortium which provides a myriad of courses, workshops and events designed to foster teacher technology integration. These courses are offered throughout the school year and summer, providing additional learning opportunities for teacher.

Finally, the district has also maintained a Professional Development Committee, dedicated to providing guidance in the development of multi-faceted, information-based, strategically planned, individual and systemic change to support ongoing growth. Action of this committee not only make recommendations about what Professional Development should be, but how it should occur. These recommendations were designed to help form and shape the use of department and grade level meetings, building staff development sessions and Superintendent's Conference Days. This Committee will continue to review and make recommendations regarding all aspects of Professional Development throughout the district including that of the Smart Schools Investment Plan.

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.

SUNY Stony Brook

9b. Enter the primary Institution phone number.

631-632-6000

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.

Dorit Kaufman, Ph. D.

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. Referring to the attached document "List of Eligible Items by Category and Sub-Category", please detail the type, quantity, per unit cost and total cost of the eligible PUBLIC 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.
Do not list any Nonpublic expenditures. These must be entered in the new Nonpublic Category at the end of the SSIP.
Add rows under each sub-category for additional items, as needed.

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Other Costs	Epson DC-13 Classroom Document Cameras	30	457.00	13,710.00
Other Costs	Brightlink 585i Interactive Projectors with speakers	20	1,700.00	34,000.00
Laptop Computers	Laptop Computers to be utilized with Mobile Cart Deployment	150	580.00	87,000.00
Other Costs	Mobile Carts for Laptop Deployments	5	1,998.00	9,990.00
		205	**4,735.00**	**144,700**

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	13,756	185	13,941.00	1.33

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			

Classroom Learning Technology

	Public School Sub-Allocation	Estimated Nonpublic Loan Amount (Based on Percentage Above)	Estimated Total Public and Nonpublic Sub-Allocation
	(No Response)	0.00	0.00
Laptop Computers	87,000.00	1,038.20	88,038.20
Tablet Computers	(No Response)	0.00	0.00
Other Costs	57,700.00	688.55	58,388.55
Totals:	**144,700.00**	**1,727**	**146,427**

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. **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)	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)

Pre-Kindergarten Classrooms

	Sub-Allocation
Other Costs	(No Response)
Totals:	**0.00**

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. 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)	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**

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.

Maintaining a safe and secure environment for learning is of paramount importance to the Sachem Central School District. Through the Smart Schools Bond Act, Sachem has designed several projects centered around high-tech security. The district's primary security project is the building of visitor management vestibules at each school location. The vestibule will be designed to create a “man trap” style area between two sets of entry doors. The vestibules will be outfitted with security cameras which are part of the full video surveillance project included in this section, as well as guest Visitor Management Systems (VMS) with camera and badge printers. Door card swipes will be included in this implementation, incorporated into the district’s existing door access control system. This project is further enhanced with the implementation of mobile card reader stations for student ID card verification at the High School East and North campuses.

The second security project planned is the replacement of 525 analog video surveillance cameras with digital cameras at the Sachem High School North and East campuses. These camera replacements reflect the last analog cameras maintained by the district. Servers, licenses and storage are already in place for this procurement.

The final high-tech security project is an augmentation to the district’s video surveillance system. The increased footprint will include all necessary licensing, servers, camera devices and necessary configurations. The project will replace 6 outdoor cameras and add a high end Pan/Tilt/Zoom camera for the Office of Transportation and add 12 indoor cameras, 6 outdoor cameras and 1 high end Pan/Tilt/Zoom camera per elementary school. Each middle school will increase by 24 indoor cameras, 10 outdoor cameras and 2 high end Pan/Tilt/Zoom cameras. Sachem High School East and North campuses will receive 24 indoor, 12 outdoor cameras and 6 and 5 high end Pan/Tilt/Zoom cameras respectively.

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
58020506-0017-017
58020506-0010-022
58020506-0003-021
58020506-0011-018
58020506-0002-019
58020506-0008-029
58020506-0012-015
58020506-0006-016
58020506-0013-020
58020506-0019-018
58020506-0015-017
58020506-0014-018
58020506-0016-028
58020506-0050-009
58020506-0004-017
58020506-7999-008
58-02-05-06-7-999-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
John M. Grillo	27360

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
Electronic Security System	XProtect Smart Wall Base License	1	6,635.58	6,635.58
Electronic Security System	ProSupport Plus: 7x24 HW/SW Technical Support and Assistance, 3 Years	17	2,112.00	35,904.00
Electronic Security System	Q6054-E MK III 60HZ PTZ DOME CAMERA	28	2,071.26	57,995.28
Electronic Security System	XProtect Corporate Base License	1	1,336.86	1,336.86
Electronic Security System	ProSupport Plus: 7x24 HW/SW Technical Support and Assistance, 3 Years	2	1,158.00	2,316.00
Electronic Security System	PowerEdge R740XD Server	17	1,075.00	18,275.00
Electronic Security System	PowerEdge R640 Server	2	850.00	1,700.00
Electronic Security System	10TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard	56	810.05	45,362.80
Electronic Security System	10TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Internal Hard Drive	14	779.50	10,913.00
Electronic Security System	P3375-VE OUTDOOR DOME CAMERA	120	710.21	85,225.20
Electronic Security System	8TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Hard Drive	50	624.50	31,225.00
Electronic Security System	600GB 15K RPM SAS 12Gbps 512n 2.5in Flex Bay Hard	28	566.46	15,860.88

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	P3375-V IP CAMERA, DN FIX DOME	765	552.21	422,440.65
Electronic Security System	600GB 15K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drive	18	524.50	9,441.00
Electronic Security System	C H740P RAID Controller, 8GB NV Cache, Mini card	2	524.50	1,049.00
Electronic Security System	Three years Care Plus for XProtect Corporate Base License	1	522.90	522.90
Electronic Security System	PERC H730P RAID Controller, 2GB NV Cache, Mini card	10	449.50	4,495.00
Electronic Security System	BOSS controller card + with 2 M.2 Sticks 240G (RAID 1),FH	7	439.50	3,076.50
Electronic Security System	Intel Xeon Silver 4110 2.1G, 8C/16T, 9.6GT/s , 11M Cache, Turbo, HT (85W) DDR4-2400	19	419.50	7,970.50
Electronic Security System	Intel Xeon Silver 4110 2.1G, 8C/16T, 9.6GT/s , 11M Cache, Turbo, HT (85W) DDR4-2400	19	419.50	7,970.50
Electronic Security System	300GB 15K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drive	20	374.53	7,490.60
Electronic Security System	Dual, Hot-plug, Redundant Power Supply (1+1), 750W	19	344.50	6,545.50
Electronic Security System	CCSInet Onsite Server Rebuild Support Services - 1Yr - (19) Dell Servers	19	300.00	5,700.00
Electronic Security System	300GB 15K RPM SAS 12Gbps 512n 2.5in Flex Bay Hard Drive, 3.5in HYB CARR	20	279.50	5,590.00
Electronic Security System	168GB RDIMM, 2666MT/s, Dual Rank	24	272.50	6,540.00
Electronic Security System	600GB 10K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drive, 3.5in HYB CARR	24	259.50	6,228.00
Electronic Security System	iDRAC9,Enterprise	19	244.50	4,645.50
Electronic Security System	Broadcom 57412 2 Port 10Gb SFP+ + 5720 2 Port 1Gb Base-T,rNDC	19	234.50	4,455.50
Electronic Security System	8GB RDIMM, 2666MT/s, Single Rank	14	177.50	2,485.00
Electronic Security System	120GB SSD SATA Boot 6Gbps 512n 2.5in Internal Drive,3.5in HYB CARR, 1 DWPD, 219 TBW	10	147.00	1,470.00
Electronic Security System	XProtect Corporate Device License	2,113	138.18	291,974.34
Electronic Security System	Chassis with up to 12 x 3.5	10	100.00	1,000.00

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	Dell Hardware Limited Warranty Plus On-Site Service	17	100.00	1,700.00
Electronic Security System	Dell Hardware Limited Warranty Plus On-Site Service	2	100.00	200.00
Electronic Security System	6 Performance Fans forR740/740XD	17	99.50	1,691.50
Electronic Security System	Chassis with up to 12 x 3.5	7	97.00	679.00
Electronic Security System	ReadyRails Sliding Rails With Cable Management Arm	2	94.50	189.00
Electronic Security System	ReadyRails Sliding Rails With Cable Management Arm	17	94.50	1,606.50
Electronic Security System	Quick Sync 2 (At-the-box mgmt)	17	89.50	1,521.50
Electronic Security System	T91L61 Wall-&-Pole MOUNT,AL WH	28	78.21	2,189.88
Electronic Security System	Quick Sync 2 (At-the-box mgmt)	2	74.50	149.00
Electronic Security System	T91D61 WALL MOUNT, AL WH	120	66.36	7,963.20
Electronic Security System	Three years Care Plus for XProtect Corporate Device License	2,113	54.60	115,369.80
Electronic Security System	Riser Config 2, 3 x8, 1 x16 slots	17	54.50	926.50
Electronic Security System	2.5 Chassis with up to 10 Hard Drives and 3PCIe slots	2	50.00	100.00
Electronic Security System	OME Server Configuration Management	19	49.50	940.50
Electronic Security System	P33VE SERIES PENDANT KIT	120	38.71	4,645.20
Electronic Security System	PowerEdge 2U Standard Bezel	17	24.50	416.50
Electronic Security System	350-BBBW No Bezel Server Plate	2	24.50	49.00
Electronic Security System	ENT CONFIG SVCS,FEE, RAID 10 SINGLE CONTAINER ON 4HDD	4	17.50	70.00
Electronic Security System	ENT CONFIG SVCS,FEE, RAID 1 SINGLE CONTAINER ON 2HDD	2	17.50	35.00
Electronic Security System	1U Pipe Low Profile Heatsink	34	14.50	493.00
Electronic Security System	Riser Config 2, 3x16 LP	2	9.50	19.00
Electronic Security System	Standard 1U Heatsink	4	9.50	38.00
Electronic Security System	Professional Services-Configuration and Installation of Video Surveillance Servers/Programming	1	143,500.50	143,500.50
Entry Control System	PC4820 Door Access	15	442.00	6,630.00
Entry Control System	Von Duprin PS914-4RL	15	659.00	9,885.00
Entry Control System	Von Duprin 900-4RL	15	275.00	4,125.00

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
Entry Control System	Swipes SH-Y1BLK / SH-Y2BLK	15	180.00	2,700.00
Entry Control System	Intercom	15	105.00	1,575.00
Entry Control System	Handicapped Door Swing	15	2,700.00	40,500.00
Entry Control System	PT-3V Flex Loop	15	50.00	750.00
Entry Control System	Von Duprin 050070 Electric Door Latch	15	578.00	8,670.00
Entry Control System	Scholarchip Data Center License	1	3,000.00	3,000.00
Entry Control System	Scholarchip VMS Complete Hardware and Application Kiosk	15	2,068.00	31,020.00
Entry Control System	Adhesive Visitor Labels 300ct	15	89.00	1,335.00
Entry Control System	Scholarchip Data Center Building License	1	3,000.00	3,000.00
Entry Control System	Student Smart ID Kiosk	6	2,500.00	15,000.00
Entry Control System	Smart ID Photo/Printer Station	2	5,800.00	11,600.00
Entry Control System	Blank Cards	2	480.00	960.00
Entry Control System	Printer Ribbons	6	54.00	324.00
Entry Control System	Printer cleaning kits	2	21.00	42.00
Entry Control System	Student Passes	2	69.00	138.00
Capital-Intensive Security Project	Site Demolition for Security Vestibule-Tamarac, Chippewa, Merrimac, Cayuga, Wenonah	5	3,093.00	15,465.00
Capital-Intensive Security Project	Site Demolition for Security Vestibule-Hiawatha, Nokomis	2	6,453.00	12,906.00
Capital-Intensive Security Project	Site Demolition for Security Vestibule-Grundy	1	8,175.00	8,175.00
Capital-Intensive Security Project	Site Demolition for Security Vestibule-Sachem East	1	8,197.00	8,197.00
Capital-Intensive Security Project	Site Demolition for Security Vestibule-Sagamore	1	9,105.00	9,105.00
Capital-Intensive Security Project	Site Demolition for Security Vestibule-Samoset	1	9,235.00	9,235.00
Capital-Intensive Security Project	Site Demolition for Security Vestibule-Sachem North, Waverly	2	9,243.00	18,486.00
Capital-Intensive Security Project	Site Demolition for Security Vestibule-Seneca	1	9,291.00	9,291.00
Capital-Intensive Security Project	Site Demolition for Security Vestibule-Lynwood	1	9,753.00	9,753.00
Capital-Intensive Security Project	Security Vestibule Carpentry & Install-Tamarac, Chippewa, Merrimac,	7	16,987.00	118,909.00

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
	Cayuga, Wenonah, Hiawatha, Nokomis			
Capital-Intensive Security Project	Security Vestibule Carpentry & Install-Grundy	1	29,876.00	29,876.00
Capital-Intensive Security Project	Security Vestibule Carpentry & Install-Sachem East	1	15,262.00	15,262.00
Capital-Intensive Security Project	Security Vestibule Carpentry & Install-Sagamore	1	53,475.00	53,475.00
Capital-Intensive Security Project	Security Vestibule Carpentry & Install-Samoset	1	32,662.00	32,662.00
Capital-Intensive Security Project	Security Vestibule Carpentry & Install-Sachem North	1	14,494.00	14,494.00
Capital-Intensive Security Project	Security Vestibule Carpentry & Install-Waverly	1	80,289.00	80,289.00
Capital-Intensive Security Project	Security Vestibule Carpentry & Install-Seneca	1	53,453.00	53,453.00
Capital-Intensive Security Project	Security Vestibule Carpentry & Install-Lynwood	1	33,496.00	33,496.00
Capital-Intensive Security Project	Security Vestibule Storefront Material-Sachem North	1	14,867.00	14,867.00
Capital-Intensive Security Project	Security Vestibule Storefront Material-Tamarac, Chippewa, Merrimac, Cayuga, Wenonah	5	15,756.00	78,780.00
Capital-Intensive Security Project	Security Vestibule Storefront Material-Samoset	1	19,985.00	19,985.00
Capital-Intensive Security Project	Security Vestibule Storefront Material-Hiawatha, Nokomis	2	25,400.00	50,800.00
Capital-Intensive Security Project	Security Vestibule Storefront Material-Grundy, Lynwood	2	32,750.00	65,500.00
Capital-Intensive Security Project	Security Vestibule Storefront Material-Sagamore	1	59,753.00	59,753.00
Capital-Intensive Security Project	Security Vestibule Storefront Material-Seneca	1	59,874.00	59,874.00
Capital-Intensive Security Project	Security Vestibule Storefront Material-Waverly	1	60,175.00	60,175.00
Approved Door Hardening	Security Vestibule Door Hardware-Hiawatha, Nokomis	2	5,530.00	11,060.00
Approved Door Hardening	Security Vestibule Door Hardware-Tamarac, Chippewa, Merrimac, Cayuga, Wenonah	5	5,600.00	28,000.00

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
Approved Door Hardening	Security Vestibule Door Hardware-Sagamore	1	6,727.00	6,727.00
Approved Door Hardening	Security Vestibule Door Hardware-Seneca	1	6,771.00	6,771.00
Approved Door Hardening	Security Vestibule Door Hardware-Sachem North	1	8,352.00	8,352.00
Approved Door Hardening	Security Vestibule Door Hardware-Grundy	1	8,800.00	8,800.00
Approved Door Hardening	Security Vestibule Door Hardware-Waverly	1	8,891.00	8,891.00
Approved Door Hardening	Security Vestibule Door Hardware-Samoset	1	10,585.00	10,585.00
Approved Door Hardening	Security Vestibule Door Hardware-Lynwood	1	11,350.00	11,350.00
Approved Door Hardening	Security Vestibule Door Hardware-Sachem East	1	17,263.00	17,263.00
Approved Door Hardening	Security Vestibule Glazing-Sachem North	1	4,197.00	4,197.00
Approved Door Hardening	Security Vestibule Glazing-Hiawatha, Nokomis	2	5,749.00	11,498.00
Approved Door Hardening	Security Vestibule Glazing-Tamarac, Chippewa, Merrimac, Cayuga, Wenonah	5	5,823.00	29,115.00
Approved Door Hardening	Security Vestibule Glazing-Samoset	1	13,311.00	13,311.00
Approved Door Hardening	Security Vestibule Glazing-Lynwood	1	15,875.00	15,875.00
Approved Door Hardening	Security Vestibule Glazing-Grundy	1	22,408.00	22,408.00
Approved Door Hardening	Security Vestibule Glazing-Waverly	1	28,040.00	28,040.00
Approved Door Hardening	Security Vestibule Glazing-Sagamore	1	31,660.00	31,660.00
Approved Door Hardening	Security Vestibule Glazing-Seneca	1	32,077.00	32,077.00
Approved Door Hardening	Security Vestibule Window Film-Samoset	1	7,423.00	7,423.00
Approved Door Hardening	Security Vestibule Window Film-Tamarac, Chippewa, Merrimac, Cayuga, Wenonah, Hiawatha, Nokomis, Sachem North	8	10,487.00	83,896.00
Approved Door Hardening	Security Vestibule Window Film-Grundy	1	12,514.00	12,514.00
Approved Door Hardening	Security Vestibule Window Film-Waverly	1	13,326.00	13,326.00

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
Approved Door Hardening	Security Vestibule Window Film-Lynwood	1	19,526.00	19,526.00
Approved Door Hardening	Security Vestibule Window Film-Seneca	1	24,467.00	24,467.00
Approved Door Hardening	Security Vestibule Window Film-Sagamore	1	24,987.00	24,987.00
Approved Door Hardening	Security Vestibule Window Film-Sachem East	1	26,457.00	26,457.00
Capital-Intensive Security Project	Security Vestibule Shutter-Cayuga, Chippewa, Grundy, Hiawatha, Lynwood, Merrimac, Nokomis, Tamarac, Waverly, Wenonah, Samoset, Sagamore, Seneca, Sachem East, Sachem North	15	6,950.00	104,250.00
Capital-Intensive Security Project	Security Vestibule Security Window-Cayuga, Chippewa, Grundy, Hiawatha, Lynwood, Merrimac, Nokomis, Tamarac, Waverly, Wenonah, Samoset, Sagamore, Seneca, Sachem East, Sachem North	15	5,750.00	86,250.00
Capital-Intensive Security Project	Security Vestibule Flooring-Tamarac, Chippewa, Merrimac, Cayuga, Wenonah, Hiawatha, Nokomis, Sachem North	8	1,744.00	13,952.00
Capital-Intensive Security Project	Security Vestibule Flooring-Sachem East	1	3,214.00	3,214.00
Capital-Intensive Security Project	Security Vestibule Flooring-Grundy, Lynwood	2	4,952.00	9,904.00
Capital-Intensive Security Project	Security Vestibule Flooring-Samoset	1	6,951.00	6,951.00
Capital-Intensive Security Project	Security Vestibule Flooring-Sagamore	1	11,406.00	11,406.00
Capital-Intensive Security Project	Security Vestibule Flooring-Waverly	1	12,145.00	12,145.00
Capital-Intensive Security Project	Security Vestibule Flooring-Seneca	1	17,453.00	17,453.00
Capital-Intensive Security Project	Security Vestibule Painting-Sachem East, Sagamore, Seneca	3	1,872.00	5,616.00
Capital-Intensive Security Project	Security Vestibule Painting-Sachem North	1	2,045.00	2,045.00
Capital-Intensive Security Project	Security Vestibule Painting-Tamarac, Chippewa, Merrimac, Cayuga,	5	2,586.00	12,930.00

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
	Wenonah			
Capital-Intensive Security Project	Security Vestibule Painting-Samoset	1	2,745.00	2,745.00
Capital-Intensive Security Project	Security Vestibule Painting-Waverly	1	3,144.00	3,144.00
Capital-Intensive Security Project	Security Vestibule Painting-Lynwood	1	3,786.00	3,786.00
Capital-Intensive Security Project	Security Vestibule Painting-Grundy	1	4,423.00	4,423.00
Capital-Intensive Security Project	Security Vestibule Painting-Nokomis, Hiawatha	2	4,982.00	9,964.00
Capital-Intensive Security Project	Security Vestibule Steel-Grundy	1	2,010.00	2,010.00
Capital-Intensive Security Project	Security Vestibule Steel-Sagamore	1	16,578.00	16,578.00
Capital-Intensive Security Project	Security Vestibule Steel-Seneca	1	16,687.00	16,687.00
Capital-Intensive Security Project	Security Vestibule Steel-Waverly	1	32,316.00	32,316.00
Capital-Intensive Security Project	Security Vestibule Concrete Sitework-Samoset	1	16,500.00	16,500.00
Capital-Intensive Security Project	Security Vestibule Concrete Sitework-Grundy	1	17,985.00	17,985.00
Capital-Intensive Security Project	Security Vestibule Concrete Sitework-Lynwood	1	19,500.00	19,500.00
Capital-Intensive Security Project	Security Vestibule Concrete Sitework-Sagamore	1	45,000.00	45,000.00
Capital-Intensive Security Project	Security Vestibule Concrete Sitework-Seneca	1	51,000.00	51,000.00
Capital-Intensive Security Project	Security Vestibule Concrete Sitework-Waverly	1	66,405.00	66,405.00
Capital-Intensive Security Project	Security Vestibule Roofing-Sachem East	1	3,318.00	3,318.00
Capital-Intensive Security Project	Security Vestibule Roofing-Lynwood	1	3,346.00	3,346.00
Capital-Intensive Security Project	Security Vestibule Roofing-Grundy	1	3,351.00	3,351.00
Capital-Intensive Security Project	Security Vestibule Roofing-Samoset	1	11,432.00	11,432.00
Capital-Intensive Security	Security Vestibule Roofing-Sagamore	1	18,996.00	18,996.00

High-Tech Security Features

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Project				
Capital-Intensive Security Project	Security Vestibule Roofing-Seneca	1	19,121.00	19,121.00
Capital-Intensive Security Project	Security Vestibule Roofing-Waverly	1	30,835.00	30,835.00
Capital-Intensive Security Project	Security Vestibule Electrical-Tamarac, Chippewa, Merrimac, Cayuga, Wenonah	5	2,570.00	12,850.00
Capital-Intensive Security Project	Security Vestibule Electrical-Sachem North	1	2,627.00	2,627.00
Capital-Intensive Security Project	Security Vestibule Electrical-Hiawatha, Nokomis	2	3,794.00	7,588.00
Capital-Intensive Security Project	Security Vestibule Electrical-Sachem East	1	4,313.00	4,313.00
Capital-Intensive Security Project	Security Vestibule Electrical-Lynwood	1	13,383.00	13,383.00
Capital-Intensive Security Project	Security Vestibule Electrical-Samoset	1	14,371.00	14,371.00
Capital-Intensive Security Project	Security Vestibule Electrical-Seneca	1	14,949.00	14,949.00
Capital-Intensive Security Project	Security Vestibule Electrical-Sagamore	1	15,542.00	15,542.00
Capital-Intensive Security Project	Security Vestibule Electrical-Grundy	1	17,289.00	17,289.00
Capital-Intensive Security Project	Security Vestibule Electrical-Waverly	1	23,429.00	23,429.00
Capital-Intensive Security Project	Security Vestibule HVAC-Sachem East	1	24,476.00	24,476.00
Capital-Intensive Security Project	Security Vestibule HVAC-Samoset	1	25,000.00	25,000.00
Capital-Intensive Security Project	Security Vestibule HVAC-Grundy	1	26,139.00	26,139.00
Capital-Intensive Security Project	Security Vestibule HVAC-Sagamore, Seneca, Lynwood	3	27,500.00	82,500.00
Capital-Intensive Security Project	Security Vestibule HVAC-Waverly	1	46,400.00	46,400.00
Other Costs	Professional Services-Architectural Incidentals	1	123,812.60	123,812.60
		6,414	**2,127,700.72**	**4,139,652**

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

High-Tech Security Features

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)	1,957,677.00
Electronic Security System	1,398,332.67
Entry Control System	141,254.00
Approved Door Hardening Project	518,576.00
Other Costs	123,812.60
Totals:	**4,139,652.27**

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

The Sachem Central School District maintains a hardware and software loan program for the four non-public schools within its geographic boundaries. The district has consulted with and provided rudimentary information in regard to Smart Schools with these schools for consideration of this funding. With this submission, the Sachem Central School District has made each school aware of their potential allocation. There are 4 non-public schools listed, but 1 has closed (Our Lady of Good Success) in January 2018. Upon approval of the Smart Schools Investment Plan, the schools will receive a formal confirmation of the approval and the amount of the hardware loan available to each school specifically. The non-public schools are working to put their specific device requests together.
The district has set June 1 as the deadline for the submission of information to the district regarding the allocation and will be requested to provide information regarding device type, manufacturer, model and quantity to provide the district with all relevant information to procure products in line with the Smart Schools Bond Act purchasing guidelines and requirements.
The district will review all such requests and work with the school to complete the request and purchase product following July 1 and the start of the new school fiscal year.

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 1

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	13,756	185	13,941.00	1.33

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	3,775,521.18	146,426.75		250.00	0.00	250.00	250.00	46,250.00
Final Adjusted Loan - (If additional loan funds)	3,775,521.18	146,426.75	(No Response)	250.00	0.00	250.00	250.00	46,250.00

5. Nonpublic Share

	Final Per Pupil Amount	Final Nonpublic Loan Amount
Previously Approved Plans	0.00	0.00
This Plan	250.00	46,250.00
Total	250.00	46,250.00

6. 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 Amount	Undetermined Nonpublic Expenditures	1	46,250.00	46,250.00
		1	**46,250.00**	**46,250**