

Smart Schools Investment Plan - Revised - Application 2019

SSIP Overview

Institution ID

800000036631

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

Joseph Reilly

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

6076543858

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

Reilly.j.n@gmail.com

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

First submission

3. All New York State public school districts are required to complete and submit a District Instructional Technology Plan survey to the New York State Education Department in compliance with Section 753 of the Education Law and per Part 100.12 of the Commissioner's Regulations. Districts that include investments in high-speed broadband or wireless connectivity and/or learning technology equipment or facilities as part of their Smart Schools Investment Plan must have a submitted and approved Instructional Technology Plan survey on file with the New York State Education Department.**By checking this box, you certify that the school district has an approved District Instructional Technology Plan survey on file with the New York State Education Department.**☒ District Educational Technology Plan Submitted to SED and Approved**4. Pursuant to the requirements of the Smart Schools Bond Act, the planning process must include consultation with parents, teachers, students, community members, other stakeholders and any nonpublic schools located in the district.****By checking the boxes below, you are certifying that you have engaged with those required stakeholders.**☒ Parents☒ Teachers☒ Students☒ Community members☐ The district was unable to meet with each group of stakeholders due to an emergency need as a result of the COVID-19 crisis.**5. Did your district contain nonpublic schools in 2014-15?**☐ Yes☐ Yes, but they have all since closed, moved out of district or are declining use of SSBA funds☒ No**6. Certify that the following required steps have taken place by checking the boxes below:**☒ The district developed and the school board approved a preliminary Smart Schools Investment Plan.☒ The preliminary plan was posted on the district website for at least 30 days. The district included an address to which any written comments on the plan should be sent.☒ The school board conducted a hearing that enabled stakeholders to respond to the preliminary plan. This hearing may have occurred as part of a normal Board meeting, but adequate notice of the event must have been provided through local media and the district website for at least two weeks prior to the meeting.☐ The school board was unable to conduct a hearing that enabled stakeholders to respond to the preliminary plan due to an emergency need as a result of the COVID-19 crisis.☒ The district prepared a final plan for school board approval and such plan has been approved by the school board.☒ The final proposed plan that has been submitted has been posted on the district's website.

Smart Schools Investment Plan - Revised - Application 2019

SSIP Overview

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

Tri-Valley Board of Education Presentation 1.pdf

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

<https://www.trivalleycsd.org/site/default.aspx?PageType=3&DomainID=8&ModuleInstanceID=1840&ViewID=6446EE88-D30C-497E-9316-3F8874B3E108&RenderLoc=0&FlexDataID=17453&PageID=9>

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.

1,150

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:

\$917,049

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	1,050	0	1,050.00	0.00

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

	Sub-Allocations	Expenditure Totals	Difference
School Connectivity	115,040.00	115,040.00	0.00
Connectivity Projects for Communities	0.00	0.00	0.00
Classroom Technology	514,415.00	514,415.00	0.00
Pre-Kindergarten Classrooms	0.00	0.00	0.00
Replace Transportable Classrooms	0.00	0.00	0.00
High-Tech Security Features	233,553.00	233,553.00	0.00
Nonpublic Loan	0.00	0.00	0.00

Smart Schools Investment Plan - Revised - Application 2019

SSIP Overview

	Sub-Allocations	Expenditure Totals	Difference
Totals:	863,008	863,008	0

Smart Schools Investment Plan - Revised - Application 2019

School Connectivity

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

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

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

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

Tri-Valley subscribes to broad band services through Sullivan County BOCES and exceeds this standards.

- 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	1,050	105.00	400	400	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.**

Tri-Valley has a robust network with strong wifi capacity. They currently cover all instructional areas. Their goal in this plan is to expand coverage to areas such as lobbies and cafeterias where students gather. As their goal is a one-to-one environment having coverage in areas where students gather will allow an "always on" environment. Student can work during lunch or even when they are waiting for a bus.

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 Technology Plan approved for the Tri-Valley is focused on a one-to-one learning environment. Students learning when they are in class is the old standard. Students learning in an always on environment is the new goal. This plan hopes to cover areas where students are working independently outside of class. Using their Google portal they can interact with each other and with mentors and instructors even during unstructured periods.

Smart Schools Investment Plan - Revised - Application 2019

School Connectivity

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.

Tri-Valley Schools works with their architecture firm but most importantly with their BOCES technology planning team. The BOCES team consulted with the instructional leaders in the buildings. They identified all instructional AND public gathering areas and the number of students who might be working there. This includes cafeterias and other areas. This plan provides wifi coverage in those areas.

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

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

Project Number
59-12-01-04-7-999-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
Steven Rebholz	19913

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

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

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

Smart Schools Investment Plan - Revised - Application 2019

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
Connections/Components	1000 ft spools of Cat 6A plenum	2	270.00	540.00
Network/Access Costs	JL095A Aruba 5406R 16SFP+ v3 zl2 Switch	2	3,750.00	7,500.00
Network/Access Costs	JL558A Aruba 2930F 48G PoE+ 4SFP+ 740W Switch	8	3,000.00	24,000.00
Network/Access Costs	JX936A Aruba AP-305 802.11n/ac 2x2:2/3x3:3 MU-MIMO Dual Radio Integrated Antenna AP	10	750.00	7,500.00
Network/Access Costs	JX936A aruba access point license	10	350.00	3,500.00
Professional Services	Installation of Promethean Boards	120	600.00	72,000.00
		152	8,720.00	115,040

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	1,050	0	1,050.00	0.00

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

	Public Allocations	Estimated Nonpublic Loan Amount	Estimated Total Sub-Allocations
Network/Access Costs	0.00	0.00	0.00
School Internal Connections and Components	0.00	0.00	0.00
Other	0.00	0.00	0.00
Totals:	0.00	0	0

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

	Sub-Allocation
Network/Access Costs	42,500.00
Outside Plant Costs	0.00
School Internal Connections and Components	540.00
Professional Services	72,000.00
Testing	0.00
Other Upfront Costs	0.00
Other Costs	0.00
Totals:	115,040.00

14. School Connectivity Totals

Smart Schools Investment Plan - Revised - Application 2019

School Connectivity

	Total Sub-Allocations
Total Loanable Items	0.00
Total Non-loanable Items	115,040.00
Totals:	115,040

Smart Schools Investment Plan - Revised - Application 2019

Community Connectivity (Broadband and Wireless)

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

(No Response)

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

(No Response)

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

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

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

(No Response)

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

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

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

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

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

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

Smart Schools Investment Plan - Revised - Application 2019

Classroom Learning Technology

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

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

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

Tri-Valley subscribes to broad band services through Sullivan County BOCES and exceeds this standards

- 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	1,050	105.00	400	400	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 Technology planning process prior to this application, Staff from Sullivan BOCES and the Mid-Hudson RIC worked with the instructional staff to review all instructional spaces in the buildings and the potential WiFi demands in those spaces. The team identified an optimal plan for wifi deployment with approximately one wifi access point per classroom or 25 students.

Using Federal Erate Funding in conjunction with a consortium application via Mid-Hudson RIC, the district accomplished that goal and has installed a robust WiFi system.

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.

Smart Schools Investment Plan - Revised - Application 2019Classroom Learning Technology

- 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.**

Tri-Valley Central School maintains their building infrastructures through on going capital projects. All electrical and HVAC is up to date. The devices proposed for this project will be replacing existing devices. The Promethean Boards will replace existing Smart Boards and LCD projectors. The Chrome books will replace existing laptops or iPads. There will be no increase in the demands on the infrastructure in the Tri-Valley Central buildings.

The district also wishes to purchase portable video production equipment. There is no special power or environment demands by this equipment. Any 110 volt plug in the district will suffice.

Smart Schools Investment Plan - Revised - Application 2019**Classroom Learning Technology**

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

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

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

1. A 1:1 program at Tri-Valley K-12 will enable teachers to more easily modify and assign content and projects to individual or groups of students. Whether it is the addition of a more detailed instructional video or other scaffolding tools, knowing that each child has access to a device that is connected to the internet, teachers will be able to better assist those learners who are struggling with alternative or remedial materials while providing enrichment and challenge for those that are more advanced. By allowing all students in grades 7-12 to take their devices home and by allowing all students to have access to digital content 24/7, students will be able to engage in learning activities well beyond the school day including on days when they are absent or suspended. Increased access to digital tools enables the most needy and vulnerable of our populations more ways to access content through text to speech, speech to text, and many more. This access also opens up the door to a myriad of new ways that students can show their understanding, from easily recording audio and video content, taking pictures, to online publishing of their work.
1. There are many ways that technology can support the work of teachers to differentiate learning activities especially for students with disabilities and English Language Learners. Students with disabilities can take advantage of the alternative materials that are available via the internet. These applications often use interactive GIF's to operate rather than a traditional keyboard. Students who have problems with motor skills or limited dexterity can interact via those display images. Student's with disabilities can also take advantage of the extended time a one-to-one device offers. Some students might need an hour or two to complete the same task that another student completes in the regular 45 minute class. Using the one-to-one device, the student who needs that time can complete the task in a study hall, during recess or even at home in the evenings or weekends. English Language Learners (ELL students) can take advantage of the translation capacity of Google Apps for Education that operates on all district chromebooks. This translation app allows a student to translate classroom materials from English to native language or the opposite on any Chrome device. An English Language Learner is no longer dependent on a translator or alternative text book. No longer will they be sitting idle in class because the translator is only available after school or at another time in the school day.
2. Another learning gap that has been identified is with students having a deeper understanding of material beyond rote memorization. This new initiative that is being made available through the Smart Schools Bond Act purchasing of Classroom Learning Technology will facilitate the already stated goals laid out in the Technology Plan to provide additional professional development in how to use technology to engage learners in new ways and provide unique learning opportunities for students to make meaning of the content, concepts and skills they are learning and not merely regurgitate facts on traditional paper and pencil assessments. While we understand that this money is not made available for professional development, it will provide the impetus for providing it around this new initiative.
1. The district is also proposing to purchase portable video production equipment with some grant money. The district envisions providing students with a technical aptitude an opportunity to pursue their area of interest while preparing presentations. More importantly, the district wants to provide an outlet for students who might not be successful in traditional academic performances. Perhaps a high school class could create video pod casts for other students preparing for high stakes tests. A student reviewing for a Regents exam could go to this library of pod casts to find the proper process for measuring the area of a parallelogram. Or the proper method to use a Periodic Table. Students helping students.

Smart Schools Investment Plan - Revised - Application 2019

Classroom Learning Technology

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.**

While the Chromebooks and the classroom displays won't directly improve parent contact, Tri-Valley Central uses a student management system that has a robust Parent Portal. Parents have immediate access to attendance, academics, and discipline information via the portal. The parents can also contact a teacher directly via the email service that is included in that Parent Portal. Parents can immediately interact directly with the instructional team without the risk of a lost or intercepted letter or progress report, or student who "forgets" his or her assignments. Additionally, the displays that are proposed in this application will help every room become a distance learning room. Traditional DL rooms are expensive and only allow a limited number of students to access the equipment. Perhaps as few as 12 per time period. Using the interactive white boards with a \$15 usb camera every classroom becomes a DL room. Multiple classes could participate in the same DL experience at the same time. Multiple classrooms could host their own DL experience. A group of students could interact with another group at the convenient time, not when the traditional DL room is available.

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."

Tri-Valley will continue to provide a wide variety of differentiated professional development for our staff in ways to use technology more effectively.

Every Superintendent's Conference day has included use of different tools and software to help teachers with different ways of presenting information on the Interactive Whiteboards to students. Teachers can update skills on assessing student both formatively and summative, based on their displayed and peer review work sessions. Teachers are also trained in new methods for helping students to create different presentation products to demonstrate their grasp on the classroom materials.

Tri-Valley Central will continue to provide short after school tech sessions with teachers and bringing in Technology Coaches for co-planning and co-teaching of Chromebook lessons. Focused on specific instructional areas such as early childhood reading, secondary science or humanities, the peer focused sessions included Google Classroom, Google Drive Sharing, Website Access, Teacher webpages, Schoology, Naviance just to name a few in the current queue.

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 New Paltz

- 9b. **Enter the primary Institution phone number.**

845-257-2887

- 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.**

Kiersten Greene, Assistant Professor of Literacy Education, Department of Teaching & Learning

Smart Schools Investment Plan - Revised - Application 2019

Classroom Learning Technology

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

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

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

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

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

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be Purchased	Quantity	Cost per Item	Total Cost
Interactive Whiteboards	Promethean	120	3,750.00	450,000.00
Other Costs	Logitech C920s HD Pro	2	70.00	140.00
Other Costs	Blue YetiCaster Professional Broadcast Audio Bundle	1	200.00	200.00
Other Costs	Impact Tungsten Two-Floodlight Kit with 6' Stands	1	125.00	125.00
Other Costs	Lowel Tota-Light One-Light Kit	1	150.00	150.00
Other Costs	Telestream Wirecast Gear 310	1	7,000.00	7,000.00
Other Costs	Canon Mark II C100 (x3) with 17-55mm EF-S Lens and 5.2	2	3,600.00	7,200.00
Other Costs	2x Canon EF 75-300mm camera lens/f/4-5.6 III USM Lens	2	200.00	400.00
Other Costs	6'x8' Dye Submimation fabric chromacast backdrop	1	500.00	500.00
Other Costs	Television studio presentation furniture	1	500.00	500.00
Laptop Computers	14 inch Chromebooks	200	215.00	43,000.00
Other Costs	Google Chromebook licensing	200	26.00	5,200.00
		532	16,336.00	514,415

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	1,050	0	1,050.00	0.00

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

Smart Schools Investment Plan - Revised - Application 2019

Classroom Learning Technology

	Public School Sub-Allocation	Estimated Nonpublic Loan Amount (Based on Percentage Above)	Estimated Total Public and Nonpublic Sub-Allocation
Interactive Whiteboards	450,000.00	0.00	450,000.00
Computer Servers	0.00	0.00	0.00
Desktop Computers	0.00	0.00	0.00
Laptop Computers	43,000.00	0.00	43,000.00
Tablet Computers	0.00	0.00	0.00
Other Costs	21,415.00	0.00	21,415.00
Totals:	514,415.00	0	514,415

Smart Schools Investment Plan - Revised - Application 2019

Pre-Kindergarten Classrooms

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

(No Response)

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

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

(No Response)

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

(No Response)

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

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

Project Number
(No Response)

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

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

6. If you have made an allocation for Pre-Kindergarten Classrooms, complete this table.

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

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

Smart Schools Investment Plan - Revised - Application 2019

Replace Transportable Classrooms

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

(No Response)

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

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

Project Number
(No Response)

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

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

(No Response)

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

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

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

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

Smart Schools Investment Plan - Revised - Application 2019

High-Tech Security Features

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

Tri-Valley Central School believes that students who attend school in a safe and secure environment are more successful in learning. To insure this, the district has developed several priorities to secure their buildings.

One of the priorities is the development of a robust video security system. The system they are proposing includes an upgraded video recording server. The current server is older than many of the students that it serves. It has very limited storage capacity and no archival capacity. The proposed server will allow the district to increase the minimum retention time on security video and to archive specific incident videos for future reference.

The second priority is additional video cameras to cover many of the areas that are not currently recorded. The current system has a limited number of analog cameras covering a few locations in the building. This proposal is to first of all expand the number of cameras to include many additional locations in the buildings and begin covering locations on the campus approaching the buildings. These are areas that present vulnerabilities and areas where students occasionally congregate. By covering these locations the district has an opportunity to discourage disruptive events and to reconstruct incidents after they occur. One of the exciting components of this system is that it will link to the door access system. In the event a door is accessed via the swipe security swipe card system, the camera will record the individual actually entering using that swipe card. In the event someone who isn't authorized obtains a security swipe card they will be immediately recorded for follow up.

A third priority is review of the individuals who visit the building. The district wishes to purchase a system that will check the credentials of any guest who is visiting our buildings. When an individual enters the buildings, they will be asked to present their permanent identification. That identification will be confirmed on several law enforcement databases. In the event an individual is on a warning list, the district can deny that person access to the building. If the person is authorized to enter this location, the system will print them a photo identification badge for them to wear as they travel through the building. The district will be able to manage WHO enters the building, and where they are authorized to travel. No longer will individuals walk in the front door and wander until they possibly find the location they are searching for.

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

Project Number
59-12-01-04-7-999-004

3. Was your project deemed eligible for streamlined Review?

- ☐ Yes
☒ No

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

Name	License Number
Steven Rebholz	19913

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

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Electronic Security System	Day Automation: Network Video Server, 2U Rack Mount, 54 TB, and Academic Licensing, Includes application configuration services.	1	13,642.00	13,642.00

Smart Schools Investment Plan - Revised - Application 2019

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	APC: Smart-UPS X, 2000VA (1800W), 120Vac, 2U RM, w/Built-In AP9631 NMC	1	1,609.00	1,609.00
Electronic Security System	Avigilon: ACC 6 Enterprise license for up to 48 camera channels	2	11,944.00	23,888.00
Electronic Security System	Avigilon: ACC 6 Enterprise license for up to 48 camera channels	16	81.00	1,296.00
Electronic Security System	Day Automation: Exterior IP Camera Termination Kit	21	102.00	2,142.00
Electronic Security System	Avigilon: 8MP (4k) Int/Ext Bullet w/IR, 4.3-8mm f/1.8, w/D/N and Analytics	11	1,343.00	14,773.00
Electronic Security System	Avigilon: 5MP Int/Ext Bullet w/IR, 9-22mm f/1.6, w/LC Tech, D/N, and Analytics	5	1,070.00	5,350.00
Electronic Security System	Avigilon: Single port Gigabit 802.3at PoE Plus injector, Class 4 - NA power cord	3	67.00	201.00
Electronic Security System	Avigilon: Reinforcing wall mount adapter for ES-HD-HWS-SM, ES-HD-HWS, ES-HD-CWS, ES-HD-HWS-LG & ES-HD-CWS-LG	3	36.00	108.00
Electronic Security System	Avigilon: Optional PoE+ power module, Powers full camera enclosure features & camera with a single Ethernet connection	3	210.00	630.00
Electronic Security System	Avigilon: Large Format Enclosure for HD IP Pro Cameras with 12VDC/24VAC Heater, Wall Bracket and Sunshield, Max combined camera and lens length is 12.8in (32.5 cm)	3	371.00	1,113.00
Electronic Security System	Avigilon: 16 MP (5K) Box, H.264 HD Pro w/LC Tech	2	6,713.00	13,426.00
Electronic Security System	Avigilon: 30MP (7k) Box, H.264 HD Pro w/LC Tech	1	8,950.00	8,950.00
Electronic Security System	Avigilon: Sigma, 35mm, f/1.4, Auto-Iris	2	1,857.00	3,714.00
Electronic Security System	Avigilon: Canon, 50mm, f/1.2, Auto-Iris	1	2,982.00	2,982.00
Electronic Security System	Avigilon: 3MP Int Surface Dome, 3-9mm f/1.3, w/WDR, LC Tech, D/N, and Analytics	17	747.00	12,699.00
Electronic Security System	Day Automation: Interior IP Camera Termination Kit	44	29.00	1,276.00
Electronic Security System	Avigilon: 5MP Int Surface Dome, 4.3-	27	855.00	23,085.00

Smart Schools Investment Plan - Revised - Application 2019

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
	8mm f/1.8, w/LC Tech, D/N, and Analytics			
Electronic Security System	Avigilon: 5MP Ext Surface Dome w/IR, 4.3-8mm f/1.8, w/LC Tech, D/N, and Analytics	2	1,034.00	2,068.00
Other Costs	Architect Fees	1	14,500.00	14,500.00
Electronic Security System	Project contingencies	1	20,000.00	20,000.00
Electronic Security System	Installation of equipment	1	20,236.00	20,236.00
Electronic Security System	Professional Services for Engineering/Programming/Proj Management/Checkout	1	36,303.00	36,303.00
Electronic Security System	C2G: 4-Port USB 2.0 AI Hub for Chromebooks, Laptops, and Desktops	1	43.00	43.00
Electronic Security System	Logitech: C920S HD Pro Webcam, 1080p, w/Privacy Shutter	3	100.00	300.00
Electronic Security System	Day Automation: NVS Server Video Card	1	651.00	651.00
Electronic Security System	Avigilon: Easy Lobby AssureTec PRO Software Library Updates for 1 year, Data and Authentication	1	761.00	761.00
Electronic Security System	Avigilon: Easy Lobby AssureTec PRO Software Library Updates for 1 year, Data and Authentication	1	67.00	67.00
Electronic Security System	Avigilon: Easylobby Dymo 450 Turbo B&W Printer	3	327.00	981.00
Electronic Security System	Avigilon: Easylobby SVM Software, Special Pricing for K12 Schools, includes Free Admin Software (reporting)	2	2,238.00	4,476.00
Electronic Security System	Avigilon: Easylobby Sex Offender Screening Service per Station per Year	2	479.00	958.00
Electronic Security System	Avigilon: Easylobby SVM Annual Maintenance per Copy, K-12 Only	2	318.00	636.00
Electronic Security System	Avigilon: Easylobby Topaz Signature Pad, 1X5 LCD	1	689.00	689.00
		186	150,354.00	233,553

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

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	0.00

Smart Schools Investment Plan - Revised - Application 2019High-Tech Security Features

	Sub-Allocation
Electronic Security System	219,053.00
Entry Control System	0.00
Approved Door Hardening Project	0.00
Other Costs	14,500.00
Totals:	233,553.00