Smart Schools Investment Plan - Revised - Application 1

SSIP Overview

Institution ID
800000051614

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

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

5a. Please detail which nonpublic schools have closed or moved since 2014-15, including enrollments and physical locations.

Perth Bible declined the use of these funds and returned our form signed to the district.

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 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 Initiative _ Broadalbin-Perth Central School District, Broadalbin, NY.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.

www.bpcsd.org/about-b-p/board-of-education/smart-schools-initiative/

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.

1,300

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:

$1,385,510

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	1,733	0	1,733.00	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	254,400.00	254,400.00	0.00
Connectivity Projects for Communities	0.00	0.00	0.00
Classroom Technology	689,920.00	689,920.00	0.00
Pre-Kindergarten Classrooms	0.00	0.00	0.00
Replace Transportable Classrooms	0.00	0.00	0.00
High-Tech Security Features	400,048.00	400,048.00	0.00
Nonpublic Loan	0.00	0.00	0.00
Totals:			

Smart Schools Investment Plan - Revised - Application 1

SSIP Overview

	Sub-Allocations	Expenditure Totals	Difference
	1,344,368	**1,344,368**	**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.

Broadalbin-Perth Central School subscribes to broadband services through the Northeast Regional Information Center (NERIC). They currently exceed the standard of 100 Mbps per 1000 students.

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	1,800	180.00	1000	1000	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.

Broadalbin-Perth recognizes that a strong infrastructure is critical to a successful to the successful integration of technology into the educational program.

Braodalbin-Perth has developed a comprehensive multi-year plan to accomplish this goal. The district proposes to upgrade their switch hardware to 10 gig POE devices. They also propose to upgrade and expand their wireless access system.

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.)

Broadalbin Perth wishes to take advantage of the vast information and tools available to students via technology to help them achieve all that they are capable of.
The teachers at Broadalbin-Perth have used interactive white boards for many years to present a variety of instruction to their students. The upgrade to interactive, digital displays is a natural progression to support the efforts these teachers have made on behalf of those students.
Language arts teachers have for many years used the displays to share literature selections with the students for discussion and critique. They have also displayed student work for peer review.
Science teachers can use the displays to display content such as biology samples, and an interactive periodic table of elements. Can you imagine the power of displaying real cells on a large screen rather than a hand out with a photo copied picture?
Elementary teachers ca use the devices for math demonstrations and virtual field trips.
The teachers at Broadalbin-Perth are committed to an interactive classroom impacting the success of their students.

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

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

During the 2017-18 school year Broadalbin-Perth tech staff worked with the planning specialists from the Northeast Regional Information Center, and the designer from the district's architect to quantify their requirements.
The planning team met with instructional administration to identify the educational spaces and the technology requirements for those spaces including educational goals and student enrollment in those spaces.
From that information, the planning team created a wireless and wired plan to support those educational goals.

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
17-11-02-04-7-999-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
Edwin C. Anker	31647

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)

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	JW053A Aruba Outdoor Pole/Wall Short Mount Kit	4	56.00	224.00
Network/Access Costs	JL087A#ABA Aruba X372 Power Supply	32	358.00	11,456.00
Connections/Components	J9285B Network Cable 70% Erate Discount	4	26.00	104.00
Network/Access Costs	JW778A Network Mgmt Device	1	12,958.00	12,958.00
Network/Access Costs	JW054A AP270 Network Device Mounting	1	56.00	56.00
Network/Access Costs	H2WT3E HP Foundation Warranty 24 X 7	1	215.00	215.00
Network/Access Costs	JW180A Aruba AP 277 Wireless Access Point	1	981.00	981.00
Connections/Components	JW102A Direct Connect Cablen 70% Erate Discount	4	27.00	108.00
Other Costs	Construction Contingencies	1	25,000.00	25,000.00
Connections/Components	J9735A Stacking Cable 70% Erate Discount	15	26.00	390.00
Network/Access Costs	H3KC7e HP Foundation Warranty for AP 277 Access	1	87.00	87.00
Network/Access Costs	JW605AAE Aruba Airwave Licenses	250	22.00	5,500.00
Connections/Components	JLo83A Aruba Expansion Module	25	145.00	3,625.00
Connections/Components	JW045A Aruba Network Mounting Device	6	11.00	66.00
Network/Access Costs	JW797A Aruba AP 315 Wireless Access Point Erate 70% Discount	207	134.00	27,738.00
Network/Access Costs	JW336AAE Aruba Clear Pass Policy	1	4,742.00	4,742.00

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
	management software operating system for wireless controller			
Network/Access Costs	JL322A Aruba 2930M 48G POE Swtich 70% Erate Discount	32	726.00	23,232.00
Network/Access Costs	PAN PA 859 PALO PA 850 Network Firewall	1	8,930.00	8,930.00
Network/Access Costs	JW178A Aruba AP275 Wireless Access Point	4	892.00	3,568.00
Connections/Components	JL325A Network Stacking Module 70% Erate Discount	29	137.00	3,973.00
Network/Access Costs	JL085A#ABA Aruba X371 Power Supply 70% Erate DIscount	4	59.00	236.00
Connections/Components	J9736A Stacking Cable 70% Erate discount	6	20.00	120.00
Connections/Components	J9152A SFP Transceiver Module	5	405.00	2,025.00
Network/Access Costs	JL085A Hot Plug Redundant Power Supply	4	196.00	784.00
Network/Access Costs	U6TB9E HP Foundation Next Business Day Warranty for JL075A	1	601.00	601.00
Connections/Components	JL084A Aruba Network Stacking Module 70% Erate Discount	2	148.00	296.00
Professional Services	Installation of Promethean Active Panels	140	600.00	84,000.00
Network/Access Costs	JW801A Aruba AP335 Wireless Access Point	6	758.00	4,548.00
Connections/Components	J9578A Stacking Cable 70% Erate Discount	2	34.00	68.00
Connections/Components	J9281B Network Cable 70% Erate discount	4	14.00	56.00
Connections/Components	J9283B Network Cable 70% Erate Discount	6	20.00	120.00
Network/Access Costs	H2YK3E HPE Foundation Care 24 x 7	1	2,427.00	2,427.00
Network/Access Costs	H3JH9E HP Foundation Warranty for AP-275	4	79.00	316.00
Connections/Components	J9151A SFP+ Transceiver Module 70% Erate Discount	30	374.00	11,220.00
Network/Access Costs	JW736A Aruba 7205 Network Mgmt Device 70% Erate Discount	1	1,743.00	1,743.00
Network/Access Costs	H3CW3E HP Foundation Warranty for JW736A	1	1,792.00	1,792.00

Select the allowable expenditure type. Repeat to add another item under each type.	**PUBLIC** Items to be purchased	Quantity	Cost per Item	Total Cost
Network/Access Costs	JW619AAE ARUBA 1 year Aruba Care license	88	74.00	6,512.00
Network/Access Costs	JL075A Aruba 3810M 2 Slot Switch 70% Erate discount	2	1,549.00	3,098.00
Network/Access Costs	PAN SVC STND 850 Support and Service agreement for 850 Firewall	1	1,060.00	1,060.00
Network/Access Costs	JW586AAE Aruba Clear Pass Guest Licenses	1	425.00	425.00
		929	**67,907.00**	**254,400**

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	1,733	0	1,733.00	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	(No Response)	0.00	0.00
School Internal Connections and Components	(No Response)	0.00	0.00
Other	(No Response)	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	123,005.00
Outside Plant Costs	0.00
School Internal Connections and Components	22,395.00
Professional Services	84,000.00
Testing	0.00
Other Upfront Costs	0.00
Other Costs	25,000.00
Totals:	**254,400.00**

14. School Connectivity Totals

	Total Sub-Allocations
Total Loanable Items	0.00

	Total Sub-Allocations
Total Non-loanable Items	254,400.00
Totals:	**254,400**

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Community Connectivity (Broadband and Wireless)

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

(No Response)

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

(No Response)

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

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

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

(No Response)

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

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

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

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

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

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

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.

Broadalbin-Perth Central School subscribes to broadband services through the Northeast Regional Information Center (NERIC). They currently exceed the standard of 100 Mbps per 1000 students.

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	1,800	180.00	1000	1000	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 2017-2018 school year, the Broadalbin Perth School District organized an ad hoc committee to review the wireless capacity of their buildings as a component to preparing for this application and preparing for a capital project. The committee included the tech team, building principals, the district's architects, and representatives from the planning team at the Northeast Regional Information Center.
This team reviewed each and every space in the district, the student instructional goals for that space, and the number of students and staff that could be assigned to that space. After identifying the instructional goals, the committee studied the existing wireless and hard wired network capacity of those spaces and developed this plan to meet the instructional goals with the infrastructure. This is different than trying to match the goals to the infrastructure assets of the space.

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

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

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

The district wishes to use Smart Schools funds to purchase 70 Inch Interactive display panels to replace the failing Smart Boards currently used in the classrooms in the district. All of these rooms are currently wired for the existing hardware. In each of these classrooms, there is an antiquated interactive panel and projector. The replacement displays will use less electricity and can use the existing electrical services. There is no requirement for additional HVAC to support this purchase.

6. Describe how the proposed technology purchases will:

- **> enhance differentiated instruction;**
- **> expand student learning inside and outside the classroom;**
- **> benefit students with disabilities and English language learners; and**
- **> contribute to the reduction of other learning gaps that have been identified within the district.**

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

The district's existing technology plan supports the needs of all students including Broadalbin Perth schools including regular education students, students with disabilities, and English language learners. The Interactive panels are an integral part of that plan.
Students with disabilities are supported through their IEP program to insure access to appropriate technology. All IEP requirements as identified by the Committee on Special Education are fully funded by the district. In addition, all classrooms will be upgraded with the interactive displays proposed in this application including all special education classrooms. The use of classroom displays have demonstrated relevant instruction that focuses student attention and reinforces skills that help the students be successful. For the portion of the students with disabilities population that is reading below grade level, these interactive displays offer an alternative method to present content than the traditional text book.
Broadalbin Perth Central Schools was also an early adopter of Google Apps for Education. For the English Language Learners, this has made translation software an immediately available tool. The software immediately translates from English to Native language and from Native language to English. The interactive panels allows the instructional staff to present student work to peer groups translating for large group review and instruction.
The panels that the district wishes to purchase will have an impact on learning outside the classroom. All students will receive instruction on skills used with Google Apps for Education using these boards in the classrooms. Those skills can be used to create a 24 hour learning enviroment. Students can use the apps on any computer that they have at home any time.
Rich students will no longer have an advantage over poor students. Slow learners can take advantage of the extended time and quick learners can expand the scope of their learning and interests.

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 use of interactive displays has no direct impact on enhancing ongoing communication with parents or other stakeholders. Broadalbin Perth does offer a robust Parent portal with real time grade, attendance, and discipline information to the parents or guardians. The displays are a integral component to distance learning. When combined with Google Hang Outs, every classroom has the capacity for distance learning to groups of students and collaboration with others.

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."

Google Classroom: This live training session was made available on My Learning Plan to the entire district. Another session was specifically designed for teachers and staff of grades PreK-2 and a presentation specifically designed for the Art Department.
Google Drive: This training was provided in multiple formats. Most trainings were made available through My Learning Plan. Two sessions were presented live and were available to the entire district. One session was presented via Google Classroom as a self-paced training, again made available through My Learning Plan. Specific Google Drive training was provided to the Special Education Department and to all Typists and Secretaries.
Google Docs: Training was provided via Google Classroom as a self-paced training and was made available through My Learning Plan.
Classlink & Gmail: These trainings are presented live and are provided to all new hires at the beginning of each school year.
Digital Citizenship: Live training is provided to each building during their faculty meetings.
Advanced Google Tools: This live training is offered during our Staff Wellness Day, which is made available to the entire district.
Integrate Augmented Reality and Virtual Reality into the Classroom: This live training is offered during our Staff Wellness Day, which is made available to the entire district.

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 Albany

9b. Enter the primary Institution phone number.

518-442-4988

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

Dr. Robert Bangert-Drowns

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 ActivPanel 75	140	4,400.00	616,000.00
Interactive Whiteboards	Promethean APTMS-3 Mounting Stand	140	528.00	73,920.00
		280	**4,928.00**	**689,920**

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

	Public Enrollment	Nonpublic Enrollment	Total Enrollment	Nonpublic Percentage
Enrollment	1,733	0	1,733.00	0.00

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	689,920.00	0.00	689,920.00
Computer Servers	0.00	0.00	0.00
Desktop Computers	0.00	0.00	0.00
Laptop Computers	0.00	0.00	0.00
Tablet Computers	0.00	0.00	0.00
Other Costs	0.00	0.00	0.00
Totals:	**689,920.00**	**0**	**689,920**

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Pre-Kindergarten Classrooms

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

(No Response)

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

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

(No Response)

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

(No Response)

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

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

Project Number
(No Response)

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

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

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

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

Smart Schools Investment Plan - Revised - Application 1

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**

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.

The safety and security of the students at Broadalbin-Perth is the highest priority of the district leadership. All students deserve the opportunity to learn in a secure environment.
Providing that environment includes several components. Door security, video security, intrusion detection. Broadalbin-Perth has invested in all of these areas. In the event that an emergency occurs, Broadalbin-Perth has identified their weak area. Emergency communication. The existing public address systems are ancient analog system. Each building has a system that relies on a single analog amplifier. It is audio only and parts of the buildings have limited or now service.
Broadalbin-Perth has proposed purchase a digital emergency classroom notification system. These digital units are installed in all of the classrooms and public spaces. They are tied into the digital computer network that reaches all locations in the district. This allows the technology team to monitor the status of the devices and identify non-functional units before an emergency occurs. Each units include a 5 amp audio speaker for traditional audio announcements. What sets the devices apart from a traditional system is the display and strobe capacity of the units. Each unit has a digital display screen. While it normally displays the time of day, in an emergency, the system can scroll digital messages ranging from "intruder in the building, shelter in place" to "Broadalbin-Perth will close early today due to inclement weather." Messages can be preloaded to the system and activated during emergency situations. The system also include strobe lights to attract the attention of students.
This system will provide multiple channels to notify single classrooms, groups of classrooms, an entire building, or the entire district when there is an emergency situation in a reliable, timely fashion.

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
17-11-02-04-7-999-004

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
Edwin C. Anker	31647

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	Singlewire: InformaCast Advanced Notification - Endpoint Licensing - 50 License Bundle (includes first 90 Days of maintenance)	2	2,723.00	5,446.00
Electronic Security System	Professional Services for Engineering/Programming/Proj	1	40,000.00	40,000.00

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
	Management/Checkout			
Electronic Security System	Singlewire: One-Time Provisioning Fee - Tier 3	1	1,486.00	1,486.00
Electronic Security System	Advanced Network Devices: IP Extra Large Signboard with Flashers, 2-way Audio, PoE/SIP, 54in long overall, SS construction, Includes Enclosure	5	1,816.00	9,080.00
Electronic Security System	Advanced Network Devices: Zone Controller, IP Endpoint with Analog Audio Out, Local Mic Input, GPIO Trigger Capabilities, PoE/SIP	6	625.00	3,750.00
Electronic Security System	Advanced Network Devices: Drop Ceiling Brackets for IPSCM-RM (Single)	60	23.00	1,380.00
Electronic Security System	Advanced Network Devices: IP Speaker with Display and Flashers (Surface Mount), 2-way Audio, PoE/SIP, Includes Enclosure	175	999.00	174,825.00
Electronic Security System	Singlewire: InformaCast Advanced Notification - Endpoint Licensing - 250 License Bundle (includes first 90 Days of maintenance)	2	8,910.00	17,820.00
Electronic Security System	Singlewire: 1 Year Maintenance - Per Endpoint License - TIER A (Qty 50 - 200)	300	10.00	3,000.00
Electronic Security System	Day Automation: Interior IP Camera Termination Kit	280	29.00	8,120.00
Electronic Security System	Advanced Network Devices: IP Outdoor Paging Horn (Surface Mount), 1-Way Audio, PoE/SIP, Includes IP54 Rated Enclosure	20	681.00	13,620.00
Electronic Security System	Advanced Network Devices: IP Clock with Flashers (Large), 2-way Audio, PoE/SIP, 22in long overall, SS construction, Includes Enclosure	3	1,249.00	3,747.00
Electronic Security System	Avigilon: Single port Gigabit 802.3at PoE Plus injector, Class 4 - NA power cord	5	68.00	340.00
Electronic Security System	Day Automation: Exterior IP Camera Termination Kit	20	103.00	2,060.00
Electronic Security System	Advanced Network Devices: IP Ceiling Speaker Pair Audio Only (Round, 10-5/8in) , 1-way Audio, 1x IP/1x Regular	60	523.00	31,380.00

Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	master/slave, PoE/SIP, back can or tile bridge not included			
Electronic Security System	American Wire Guards: 52x14x6in (LxHxD) Wire Guard, 3 Gauge, Oversized Shipping Charge	2	143.00	286.00
Electronic Security System	Shure: Dual Impedance Desktop Dynamic Microphone, Cardoid Polar Pattern, Tailored Frequency Response	7	246.00	1,722.00
Electronic Security System	Advanced Network Devices: Back Box for IPSCM-RM (Single)	60	27.00	1,620.00
Electronic Security System	Advanced Network Devices: IP Strobe with Daughter card, End point connection required for power and signal	3	122.00	366.00
Electronic Security System	Installation of end point classroom devices	1	80,000.00	80,000.00
		1,013	**139,783.00**	**400,048**

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

	Sub-Allocation
Capital-Intensive Security Project (Standard Review)	0.00
Electronic Security System	400,048.00
Entry Control System	0.00
Approved Door Hardening Project	0.00
Other Costs	0.00
Totals:	**400,048.00**