# ARLINGTON CSD

## Smart Schools Investment Plan - ACSDSSIP#1

SSIP Overview

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

Jo Ann Kraus

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

8454538388

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

jkraus@acsdny.org

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

First submission

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

☑ District Educational Technology Plan Submitted to SED and Approved

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

☑ Parents
☑ Teachers
☑ Students
☑ Community members

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

☑ Yes
☐ No
☐ N/A

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

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

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**5a. Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website. 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.**

ACSD Preliminary Smart Schools Investment Plan.pdf
May 24 BOE Presentation.pdf
Finalized ACSDSSIP#1.pdf

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

8,459

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

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

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

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

**9. Please upload a signed Memorandum of Understanding with all of the participating Consortium partners.**

(No Response)

**10. Your district's Smart Schools Bond Act Allocation is:**

$5,218,541

**11. Enter the budget sub-allocations by category that you are submitting for approval at this time. If you are not budgeting SSBA funds for a category, please enter 0 (zero.) If the value entered is $0, you will not be required to complete that survey question.**

| | Sub-Allocations |
|---|---|
| School Connectivity | 1,591,873 |
| Connectivity Projects for Communities | 0 |
| Classroom Technology | 0 |
| Pre-Kindergarten Classrooms | 0 |
| Replace Transportable Classrooms | 0 |
| High-Tech Security Features | 2,984,377 |
| **Totals:** | 4,576,250.00 |

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

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

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

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

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

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

The District's fiber connectivity links between buildings and Dutchess County BOCES is 1 Gbps and exceeds the FCC's recommendations. The District plans to purchase additional bandwidth (850 Mbps) burstable service that is managed by Dutchess County BOCES in the 2017 school year, which will meet the standard.

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

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

**2. Connectivity Speed Calculator (Required)**

| | Number of Students | Multiply by 100 Kbps | Divide by 1000 to Convert to Required Speed in Mb | Current Speed in Mb | Expected Speed to be Attained Within 12 Months | Expected Date When Required Speed Will be Met |
|---|---|---|---|---|---|---|
| Calculated Speed | 8,459 | 845,900 | 845 | 600 | 850 | 7/2017 |

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

The Arlington Central School District intends to use the Smart Schools Bond Act funds to expand wireless access and update the network infrastructure. The technology plan includes the following goals for improving infrastructure and wireless connectivity for all students and staff throughout the District.

- Goal 1: Update wireless coverage for six elementary schools to include all instructional and extra curricula spaces.
- Goal 2: Upgrade network infrastructure switching at 11 school buildings to support 10 gigabit closet uplinks and redundant 10 gigabit aggregation cores.
- Goal 3: Increase internet provisioning for the district from 600 Mbps to 850 Mbps.

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**4. Describe the linkage between the district's District Instructional Technology Plan and the proposed projects. (There should be a link between your response to this question and your response to Question 1 in Part E. Curriculum and Instruction "What are the district's plans to use digital connectivity and technology to improve teaching and learning?)**

The district subscribes to several services through BOCES to provide digital connectivity (network and internet access) to all school buildings.Students, teachers and staff use several resources for connecting to online learning opportunities. As part of the Technology Plan, the district will continue to foster student learning via digital and collaborative learning environments by expanding wireless access. Edline and Google Apps for Education will continue to serve as primary tools for communication, creativity, collaboration and critical thinking. These tools also provide a home-to-school connection for students and teachers.

Over the next two years, the goal is to expand the mobile learning environment to all elementary classrooms by installing an access point in every elementary classroom. During the 2015-16 school year, 22 elementary teachers were selected to participate in a mobile learning pilot using Chromebooks and tablets. Teachers helped design and develop curricula activities and projects using Chromebooks and tablets. Each class was outfitted with 6 mobile devices. As part of the computer replacement cycle, each classroom will be provided with six mobile devices. In order to implement this new model, it is necessary to update the elementary schools from basic to full wireless access.

At the high school and middle school, students use their own devices (Bring Your Own Device) for inquiry, communication, creation and to demonstrate learning. Additionally, Virtual Desktop Interface (VDI) is the District's new initiative that provides a private cloud based computing experience. The District will implement this strategy over three years. This interface provides full access to a virtual Windows computer from any type of device. This technology promotes efficiency, productivity and provides remote access.

As part of the technology plan, all libraries will be equipped with mobile learning device carts to provide students with access to tools to aid in research, inquiry and student exploration spaces.

**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.**

In order to maintain a robust wireless network, the district has determined that it is necessary to to install wireless access points in all classrooms to ensure that wireless signals are available. During the 2015-16 school year, 22 elementary classrooms have participated in a mobile learning pilot and it was determined that signal strength needs to be increased. The district is monitoring bandwidth use and has determined that bandwidth will need to be increased and managed when the elementary school access points are expanded to the classrooms. Additional bandwidth will be purchased each year as part of the technology plan budgeting. The district also has an iBoss appliance that will be used to manage streaming and shape bandwidth use.

**6. As indicated on Page 5 of the guidance, the Office of Facilities Planning will have to conduct a preliminary review of all capital projects, including connectivity projects.**

| Project Number |
|---|
| 13-16-01-06-7-999-BA1 |
| 13-16-01-06-7-999-002 |

**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?**

No

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

| Name | License Number |
|---|---|
| Tetra Tech | 30484 |

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

| | Sub-Allocation |
|---|---|
| Network/Access Costs | 0 |
| Outside Plant Costs | 0 |
| School Internal Connections and Components | 1,290,218 |
| Professional Services | 301,655 |
| Testing | 0 |
| Other Upfront Costs | 0 |
| Other Costs | 0 |
| **Totals:** | 1,591,873.00 |

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

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| Select the allowable expenditure type.<br>Repeat to add another item under each type. | Item to be purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| Connections/Components | Cabling for WIFI and closets -Cat 6 Plenum Rated Cable / Installation | 1 | 127,177 | 127,177 |
| Connections/Components | 2 Port Faceplates | 426 | 2 | 852 |
| Connections/Components | Cat 6 Jacks/Blank inserts | 426 | 8 | 3,408 |
| Connections/Components | 24 port cat 6 patch panel | 21 | 170 | 3,570 |
| Connections/Components | 2 J-Hook | 100 | 5 | 500 |
| Connections/Components | 700 series wiremold | 123 | 1 | 123 |
| Connections/Components | wiremold back box | 23 | 14 | 322 |
| Connections/Components | Misc. hardware | 1 | 10,000 | 10,000 |
| Connections/Components | Velcro Roll | 30 | 26 | 780 |
| Connections/Components | Fire stop seal | 15 | 20 | 300 |
| Connections/Components | Catalyst 2960-X FlexStack Plus Stacking Module | 95 | 562 | 53,337 |
| Connections/Components | Cisco Catalyst 3650 Stack Module Spare | 1 | 776 | 776 |
| Connections/Components | Cisco Catalyst 3850 2 x 10GE Network Module | 12 | 1,175 | 14,100 |
| Connections/Components | Cisco Catalyst 3850 4 x 10GE Network Module | 3 | 1,880 | 5,640 |
| Connections/Components | IP Base to Ent. Services license for 16 Port Catalyst 4500-X | 2 | 1,880 | 3,760 |
| Connections/Components | Catalyst 4500X 750W AC front to back cooling power supply | 2 | 940 | 1,880 |
| Connections/Components | Catalyst 4500X 750W AC front to back cooling 2nd PWR supply | 2 | 940 | 1,880 |
| Connections/Components | Power Supply AC-1100W | 2 | 1,175 | 2,350 |
| Connections/Components | Cisco Catalyst 6840-X-Chassis and 2 x 40G (Standard Tables) | 2 | 25,850 | 51,700 |
| Connections/Components | Mode Conditioning Patch cable; LC connector | 158 | 235 | 37,130 |
| Connections/Components | Cisco FlexStack 1m stacking cable | 24 | 47 | 1,128 |
| Connections/Components | Cisco FlexStack 3m stacking cable | 31 | 94 | 2,914 |
| Connections/Components | QSFP to SFP10G adapter | 1 | 165 | 165 |
| Connections/Components | Nexus 9300 with 48p 1/10G-T and 6p 40G QSFP+ | 2 | 10,575 | 21,150 |

| | | | | |
|---|---|---|---|---|
| Connections/Components | 40GBASE-CR4 Passive Copper Cable, 1m | 2 | 118 | 235 |
| Connections/Components | 10GBASE-LRM SFP Module | 158 | 468 | 73,889 |
| Connections/Components | 10GBASE-SR SFP Module | 4 | 468 | 1,871 |
| Connections/Components | 10GBASE-CU SFP+ Cable 1 Meter | 39 | 47 | 1,833 |
| Connections/Components | 10GBASE-CU SFP+ Cable 3 Meter | 2 | 47 | 94 |
| Connections/Components | STACK-T1-1M 1M Type 1 Stacking Cable | 4 | 94 | 376 |
| Connections/Components | Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base | 16 | 3,758 | 60,123 |
| Connections/Components | Catalyst 2960-X 48 GigE, 2 x 10G SFP+, LAN Base | 67 | 2,630 | 176,187 |
| Connections/Components | Cisco Catalyst 3650 48 Port Data 4x10G Uplink IP Services | 1 | 8,178 | 8,178 |
| Connections/Components | Cisco Catalyst 3850 48 Port (12 mGig+36 Gig) UPoE LAN Base | 1 | 5,875 | 5,875 |
| Connections/Components | WS-C3850-24XU-L Cisco Catalyst 3850 24 mGig Port UPoE LAN Base | 12 | 5,875 | 70,500 |
| Connections/Components | Catalyst 4500-X 16 Port 10G IP Base, Front-to-Back, No P/S | 2 | 7,520 | 15,040 |
| Connections/Components | Catalyst 4500 E-Series 12-Port 10GbE (SFP+) | 1 | 12,688 | 12,688 |
| Connections/Components | Meraki MR Enterprise License | 310 | 239 | 74,214 |
| Connections/Components | Meraki MR42 Cloud Managed Access Points | 310 | 604 | 187,380 |
| Professional Services | Network Connectivity Infrastructure Implementation | 1 | 125,350 | 125,350 |
| Professional Services | Architectural Services | 1 | 150,000 | 150,000 |
| Connections/Components | UPS Accessories | 1 | 4,800 | 4,800 |
| Connections/Components | APC Smart-UPS X 120V External Battery Pack Rack/Tower | 22 | 789 | 17,358 |
| Connections/Components | APC Smart-UPS X 2000VA Rack/Tower LCD 100-127V with Network Card | 13 | 1,550 | 20,150 |
| Connections/Components | APC Smart-UPS X 3000VA Rack/Tower LCD 100-127V with Network Card | 9 | 1,850 | 16,650 |
| Connections/Components | APC Smart-UPS SRT 192V 5kVA and 6kVA Battery Pack | 2 | 1,050 | 2,100 |
| Connections/Components | APC Smart-UPS SRT 192V 5kVA and 6kVA RM Battery Pack | 1 | 1,175 | 1,175 |

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| | | | | |
|---|---|---|---|---|
| Connections/Components | APC Smart-UPS SRT 5000VA RM 208V to 120V 2U Step-Down Transformer | 3 | 4,750 | 14,250 |
| Connections/Components | APC Smart-UPS SRT 5000VA with 208/240V to 120V Step-Down Transformer | 3 | 4,700 | 14,100 |
| Connections/Components | APC Smart-UPS SRT 6000VA with 208/240V to 120V Step-Down Transformer | 1 | 5,325 | 5,325 |
| Connections/Components | APC Smart-UPS RT 192V Battery Pack | 2 | 1,025 | 2,050 |
| Connections/Components | APC SMART-UPS RT 3000VA 120V | 2 | 2,250 | 4,500 |
| Professional Services | UPS Implemenation | 31 | 640 | 19,840 |
| Connections/Components | Wiring Closet Cooling Units/Tripp Lite SR Cool12K | 5 | 1,260 | 6,300 |
| Connections/Components | Vertical Wire Management Panels for data closets | 12 | 317 | 3,800 |
| Connections/Components | 4 Post Rack | 6 | 694 | 4,164 |
| Connections/Components | 4 Foot Wall Mount Rack | 1 | 171 | 171 |
| Professional Services | Rack Implementation | 1 | 6,465 | 6,465 |
| Connections/Components | Propane fired 125 kW standby generator located on the exterior of the of the building, with feeders to a 200 amp 277/480 volt 3 phase 4 wire automatic transfer switch. From the transfer switch new feeders will be installed to a 225 amp 277/480 volt. 3 phase, 4 wire HV Standby panel. From this panel a circuit will be run to a new 75 kVA transformer then to a 225 amp, 120/208 volt, 3 phase, 4 wire LV Standby panel. From this LV Standby panel feeders will be run to each of (4) network wiring closets in the buildings to feed new UPS's which will serve network switches, CCTV equipment and server equipment at redundant data closet at middle school. | 1 | 100,000 | 100,000 |
| Connections/Components | Data Rack Power | 1 | 39,900 | 39,900 |

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

(No Response)

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

(No Response)

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

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

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

(No Response)

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

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

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

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

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

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

**1. In order for students and faculty to receive the maximum benefit from the technology made available under the Smart Schools Bond Act, their school buildings must possess sufficient connectivity infrastructure to ensure that devices can be used during the school day. Smart Schools Investment Plans must demonstrate that sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where new devices will be deployed, or is a planned use of a portion of Smart Schools Bond Act funds, or is under development through another funding source.**
**Smart Schools Bond Act funds used for technology infrastructure or classroom technology investments must increase the number of school buildings that meet or exceed the minimum speed standard of 100 Mbps per 1,000 students and staff within 12 months. This standard may be met on either a contracted 24/7 firm service or a "burstable" capability. If the standard is met under the burstable criteria, it must be:**
**1. Specifically codified in a service contract with a provider, and**
**2. Guaranteed to be available to all students and devices as needed, particularly during periods of high demand, such as computer-based testing (CBT) periods.**
**Please describe how your district already meets or is planning to meet this standard within 12 months of plan submission.**

(No Response)

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

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

**2. Connectivity Speed Calculator (Required)**

| | Number of Students | Multiply by 100 Kbps | Divide by 1000 to Convert to Required Speed in Mb | Current Speed in Mb | Expected Speed to be Attained Within 12 Months | Expected Date When Required Speed Will be Met |
|---|---|---|---|---|---|---|
| Calculated Speed | (No Response) | (No Response) | (No Response) | (No Response) | (No Response) | (No Response) |

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

(No Response)

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

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

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

(No Response)

**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?"**

(No Response)

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

(No Response)

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

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

(No Response)

**9. Districts must contact the SUNY/CUNY teacher preparation program that supplies the largest number of the district's new teachers to request advice on innovative uses and best practices at the intersection of pedagogy and educational technology.**

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

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

(No Response)

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

(No Response)

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

(No Response)

**10. A district whose Smart Schools Investment Plan proposes the purchase of technology devices and other hardware must account for nonpublic schools in the district.**

**Are there nonpublic schools within your school district?**

☐ Yes
☐ No

**11. Nonpublic Classroom Technology Loan Calculator**

**The Smart Schools Bond Act provides that any Classroom Learning Technology purchases made using Smart Schools funds shall be lent, upon request, to nonpublic schools in the district. However, no school district shall be required to loan technology in amounts greater than the total obtained and spent on technology pursuant to the Smart Schools Bond Act and the value of such loan may not exceed the total of $250 multiplied by the nonpublic school enrollment in the base year at the time of enactment.**

**See:**

**http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf.**

| | 1. Classroom Technology Sub-allocation | 2. Public Enrollment (2014-15) | 3. Nonpublic Enrollment (2014-15) | 4. Sum of Public and Nonpublic Enrollment | 5. Total Per Pupil Sub-allocation | 6. Total Nonpublic Loan Amount |
|---|---|---|---|---|---|---|
| Calculated Nonpublic Loan Amount | (No Response) | (No Response) | (No Response) | (No Response) | (No Response) | (No Response) |

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

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

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

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

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

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

| | Sub-Allocation |
|---|---|
| Interactive Whiteboards | (No Response) |
| Computer Servers | (No Response) |
| Desktop Computers | (No Response) |
| Laptop Computers | (No Response) |
| Tablet Computers | (No Response) |
| Other Costs | (No Response) |
| **Totals:** | |

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

| Select the allowable expenditure type.<br>Repeat to add another item under each type. | Item to be Purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| (No Response) | (No Response) | (No Response) | (No Response) | (No Response) |

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

(No Response)

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

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

(No Response)

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

(No Response)

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

| Project Number |
|---|
| (No Response) |

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

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

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.<br>Repeat to add another item under each type. | Item to be purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| (No Response) | (No Response) | (No Response) | (No Response) | (No Response) |

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

(No Response)

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

| Project Number |
|---|
| (No Response) |

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

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

(No Response)

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

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

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.<br>Repeat to add another item under each type. | Item to be purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| (No Response) | (No Response) | (No Response) | (No Response) | (No Response) |

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**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.**

High-tech security systems will be installed in each of our eleven schools. This technology will include interior and exterior surveillance cameras and a highly reliable emergency communication system. Most importantly, this security technology will enable a school to lockdown and secure students and staff within seconds of identifying imminent danger. A lockdown can be initiated by anyone witnessing a safety threat by pressing a panic alarm mounted in the hallway, entering a code on the classroom phone, or utilizing a cell phone application. Once initiated, a prerecorded message will be disseminated throughout the school via an IP speaker system, swipe card access to the school will be disabled, and exterior strobe lights will be activated to indicate that the building is in lockdown. Law enforcement will automatically be notified and a message will be sent to parents indicating that there is a lockdown at their child's school.

**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.**

| Project Number |
|---|
| 13-16-01-06-7-999-002 |
| 13-16-01-06-7-999-BA1 |

**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 |
|---|---|
| Tetra Tech | 30484 |

**5. If you have made an allocation for High-Tech Security Features, complete this table.**
**Note that the calculated Total at the bottom of the table must equal the Total allocation for this category that you entered in the SSIP Overview overall budget.**

| | Sub-Allocation |
|---|---|
| Capital-Intensive Security Project (Standard Review) | 640,610 |
| Electronic Security System | 2,143,767 |
| Entry Control System | 0 |
| Approved Door Hardening Project | 0 |
| Other Costs | 200,000 |
| **Totals:** | 2,984,377.00 |

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

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| Select the allowable expenditure type.<br>Repeat to add another item under each type. | Item to be purchased | Quantity | Cost per Item | Total Cost |
|---|---|---|---|---|
| Capital-Intensive Security Project | Cabling for Security Cameras, IP Phones, IP Speakers, Strobes, and panic alarms -Cat 6 Plenum Rated Cable / Installation | 1 | 559,312 | 559,312 |
| Capital-Intensive Security Project | 2 Port Faceplate | 1973 | 2 | 3,946 |
| Capital-Intensive Security Project | Cat 6 Jack and blank inserts | 1973 | 8 | 15,784 |
| Capital-Intensive Security Project | 24 Port Cat 6 Patch Panel | 90 | 170 | 15,300 |
| Capital-Intensive Security Project | 2 inch J hook | 700 | 5 | 3,500 |
| Capital-Intensive Security Project | 700 Series Wiremold | 1 | 1,600 | 1,600 |
| Capital-Intensive Security Project | Wiremold Black Box | 322 | 14 | 4,508 |
| Capital-Intensive Security Project | Misc. Hardware | 1 | 30,000 | 30,000 |
| Capital-Intensive Security Project | Velcro Roll | 80 | 26 | 2,080 |
| Capital-Intensive Security Project | Firestop Seal | 40 | 20 | 800 |
| Capital-Intensive Security Project | 18AWG 2 ConductorPlenum Rated Cable | 1 | 3,780 | 3,780 |
| Electronic Security System | Cisco UC VoIP Phone Model 7821 for classroom safe zones | 435 | 128 | 55,463 |
| Electronic Security System | Wallmount Kits for Cisco UC VoiP Phone 7800 Series | 400 | 38 | 15,000 |
| Electronic Security System | InformaCast - 250 End Point Licenses | 2 | 5,400 | 10,800 |
| Electronic Security System | InformaCast Resiliency - Per End Point | 400 | 5 | 1,920 |
| Electronic Security System | UC Manager-10.x Basic Single User-Per 400 | 400 | 63 | 25,000 |
| Electronic Security System | VoIP Integration and Implementation | 1 | 122,876 | 122,876 |
| Electronic Security System | Indoor IP Speaker with Display Atlas 18SC | 917 | 685 | 627,687 |
| Electronic Security System | Outdoor IP Speaker Atlas Sest-IH Straight | 67 | 135 | 9,012 |
| Electronic Security System | Outdoor IP Vandal Atlas IHVP | 67 | 720 | 48,207 |

| | | | | |
|---|---|---|---|---|
| Electronic Security System | Ceiling Tile IP Atlas I128SYS | 204 | 695 | 141,678 |
| Electronic Security System | Horn Loudspeaker POE + IP with LED Display | 37 | 720 | 26,622 |
| Electronic Security System | ATLAS SEA-I8SC STRAIGHT INDOOR | 938 | 65 | 60,501 |
| Electronic Security System | SOLUTIONSPLUS MASS NOTIFICATION | 1 | 24,840 | 24,840 |
| Electronic Security System | InformaCast Resiliency | 1 | 6,000 | 6,000 |
| Electronic Security System | Speaker Implementation | 1 | 7,553 | 7,553 |
| Other Costs | Tetra Tech Architectural Services | 1 | 150,000 | 150,000 |
| Electronic Security System | Catalyst 2960-X FlexStack Plus Stacking Module | 57 | 562 | 32,034 |
| Electronic Security System | Cisco Catalyst 3650 Stack Module Spare | 11 | 776 | 8,531 |
| Electronic Security System | Catalyst 2960-X 48 GigE PoE 740W, 2 x 10G SFP+, LAN Base | 32 | 3,758 | 120,245 |
| Electronic Security System | Cisco Catalyst 3650 48 Port PoE 4x10G Uplink IP Services | 5 | 8,883 | 44,415 |
| Electronic Security System | Cisco Catalyst 3850 48 Port (12 mGig+36 Gig) UPoE LAN Base | 2 | 5,875 | 11,750 |
| Electronic Security System | Cisco Catalyst 3850 48 Port Full PoE IP Services | 4 | 10,340 | 41,360 |
| Electronic Security System | Video Surveillance Hybrid DVR/NVR Server | 17 | 999 | 16,983 |
| Electronic Security System | Video Surveillance Rack Mount Case | 17 | 170 | 2,890 |
| Electronic Security System | Video Surveillance Digital Interface 16 Port Board | 34 | 999 | 33,966 |
| Electronic Security System | Video Surveillance Digital Interface Real Time Upgrade | 34 | 449 | 15,266 |
| Electronic Security System | Video Surveillance DVR 32 Channel Support Upgrade | 17 | 499 | 8,483 |
| Electronic Security System | Video Surveillance Pan Tilt Zoom Controller Card | 17 | 299 | 5,083 |
| Electronic Security System | Video Surveillance 1TB Hard Drive | 680 | 144 | 97,920 |
| Electronic Security System | Video Surveillance Video Viewing software | 68 | 99 | 6,732 |
| Electronic Security System | Video Surveillance set up and configuration | 1 | 10,394 | 10,394 |
| Electronic Security System | Video Surveillance Exterior 3MP Vandal Dome Camera | 126 | 799 | 100,674 |
| Electronic Security System | Video Surveillance Interior 3MP Dome | 216 | 699 | 150,984 |

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| | | | | |
|---|---|---|---|---|
| | Camera | | | |
| Electronic Security System | Video Surveillance Indoor and Outdoor Camera Mounting and focusing | 342 | 36 | 12,264 |
| Electronic Security System | Video Surveillance NEMA Enclosure | 5 | 419 | 2,100 |
| Electronic Security System | Video Surveillance Installation | 1 | 374 | 2,865 |
| Electronic Security System | Video Surveillance Wireless Bridge Point | 10 | 425 | 4,250 |
| Electronic Security System | Video Surveillance 4 Port PoE Switch | 5 | 142 | 711 |
| Electronic Security System | Panic Button Panic Stopper Station w/ Cover | 106 | 179 | 18,974 |
| Electronic Security System | Panic Button Wiremold | 117 | 49 | 5,733 |
| Electronic Security System | Panic Button Alarm Controls - Popit | 106 | 40 | 4,240 |
| Electronic Security System | Panic Button 16 Channel I/O Controller | 12 | 299 | 3,588 |
| Electronic Security System | Panic Button BOSCH 246 Point Intrusion Panel | 11 | 749 | 8,239 |
| Electronic Security System | Panic Button Keypad | 11 | 349 | 3,839 |
| Electronic Security System | Panic Button Wire Run | 11 | 150 | 1,650 |
| Electronic Security System | Panic Button Software Installation | 1 | 22,675 | 22,675 |
| Electronic Security System | Lockdown Strobe Light | 56 | 159 | 8,904 |
| Electronic Security System | Lockdown 8 Channel Power Supply 12V DC | 11 | 245 | 2,695 |
| Electronic Security System | Lockdown Installation | 56 | 175 | 9,800 |
| Electronic Security System | Lockdown 16 Channel I/O Controller | 11 | 299 | 3,289 |
| Electronic Security System | Lockdown ILS Card Disable Feature | 11 | 1,425 | 15,675 |
| Electronic Security System | Lockdown Programming and Configuration | 1 | 18,975 | 18,975 |
| Electronic Security System | Lockdown Cell Phone, voIP Phone,and PA Intregation Modules | 1 | 38,192 | 38,192 |
| Electronic Security System | Lockdown Project Management Labor | 1 | 13,640 | 13,640 |
| Electronic Security System | Cisco Switch Implementation | 1 | 50,600 | 50,600 |
| Other Costs | Unforeseen construction conditions | 1 | 50,000 | 50,000 |