

Smart Schools Investment Plan - 2016-17 Version (Original) - Edgemont SSIP II

SSIP Overview

Page Last Modified: 02/27/2019

Institution ID

800000035503

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

paul garofano

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

914.725.1500

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

pgarofano@edgemont.org

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

Supplemental 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

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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 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 district prepared a final plan for school board approval and such plan has been approved by the school board.
- ☒ The final proposed plan that has been submitted has been posted on the district's website.

- 5a. **Please upload the proposed Smart Schools Investment Plan (SSIP) that was posted on the district's website, along with any supporting materials. Note that this should be different than your recently submitted Educational Technology Survey. The Final SSIP, as approved by the School Board, should also be posted on the website and remain there during the course of the projects contained therein.**

EDGEMONTUFSD approved plan 011317 (1).pdf

- 5b. **Enter the webpage address where the final Smart Schools Investment Plan is posted. The Plan should remain posted for the life of the included projects.**

<https://drive.google.com/file/d/0B9jiNcA-1-pRLUk0c215TGZoRmM/view>

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.**

2,500

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:**

\$302,038

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 | 43,627 |
| Connectivity Projects for Communities | |

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| | Sub-Allocations |
|----------------------------------|-----------------|
| | 0 |
| Classroom Technology | 0 |
| Pre-Kindergarten Classrooms | 0 |
| Replace Transportable Classrooms | 0 |
| High-Tech Security Features | 0 |
| Totals: | 43,627 |

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School Connectivity

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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 Federal Communications Commission stipulates that school districts should provide 100mbps of bandwidth per 1000 students and achieving this level of connectivity is a precondition for receiving Smart Schools Bond funding. During the Fall of 2017, Edgemont increased its internet bandwidth to 500mbps, which meets the standard. Additionally, the Wide Area Network connections between the three buildings and the wireless network were improved to support this level of throughput in all locations.

- 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 | 2,000 | 200,000 | 200 | 500 | (No Response) | (No Response) |

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

3 Dell PowerEdge VRTX Servers - These servers will replace three existing servers that are used to host our VMWare virtual server environment and 1 Cisco Catalyst 3850 48 Port switch and 2 Catalyst 2960-X 48 Port switches. We have worked with the Lower Hudson Regional Information Center to create a scope of work around this project, which will include migration of all data in the existing VMWare environment to the new one and replacing VMWare supporting switches in our IDFs in all three buildings. The servers will be housed in a locked server room with ample electrical supply, UPS power backup, and redundant air conditioning units. This work will ensure high-speed broadband and network connectivity throughout the district. None of this work requires construction, and wiring/cablings is not being extended or added to an area where it wasn't before.

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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 fortification of the virtual server environment and data connectivity with the switches will allow us to achieve the vision articulated in our district's technology plan, which was submitted to and approved by the state. The move to greater use of the virtual environment will free up our reliance on the physical up keep and maintenance of traditional servers and the switches will ensure increased broadband 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.

We have a wireless network in place and monitor its usage regularly. We have engaged with a consultant and technicians from the Lower Hudson Regional Information Center to determine a wireless strategy that, based on the other components in our technology plan, will accommodate the future growth of our inventory of technology devices and more frequent use by teachers and students.

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

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

| |
|-----------------------|
| Project Number |
| 66-04-06-03-0-002-BA1 |

7. Certain high-tech security and connectivity infrastructure projects may be eligible for an expedited review process as determined by the Office of Facilities Planning.

Was your project deemed eligible for streamlined review?

Yes

- 7a. Districts that choose the Streamlined Review Process will be required to certify that they have reviewed all installations with their licensed architect or engineer of record and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order to affirm that the work was code-compliant, if requested.

☒ I certify that I have reviewed all installations with a licensed architect or engineer of record.

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

| | |
|---------------|----------------|
| Name | License Number |
| John D'Angelo | 22145 |

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 | 43,627 |

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| | Sub-Allocation |
|--|----------------|
| Outside Plant Costs | (No Response) |
| School Internal Connections and Components | (No Response) |
| Professional Services | (No Response) |
| Testing | (No Response) |
| Other Upfront Costs | (No Response) |
| Other Costs | (No Response) |
| Totals: | 43,627 |

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

| Select the allowable expenditure type. Repeat to add another item under each type. | Item to be purchased | Quantity | Cost per Item | Total Cost |
|---|--|----------|---------------|------------|
| Network/Access Costs | PowerEdge VRTX - [dellstar_1018] | 1 | 14,001 | 14,001 |
| Network/Access Costs | PowerEdge M630 VRTX - [dellstar_10919] | 2 | 8,007 | 16,014 |
| Network/Access Costs | CATALYST 3850 48PORT UPOE LAN | 1 | 6,266 | 6,266 |
| Network/Access Costs | Catalyst 2960-X 48 GigE PoE 740W, 4 x 1G SFP | 2 | 3,673 | 7,346 |