Smart Schools Investment Plan - 2016-17 Version (Original) - Oneida CSD_First Submission_#1

SSIP Overview

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Institution ID

800000050877

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

    Genevieve Brauner

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

    3153616027

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

    gbrauner@oneidacsd.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.**

    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

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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 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.

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.**

SSBA BOE Presentation 6.2015.docx

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://www.oneidacsd.org/departments/technology/smart_schools_bond_act

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.**

2,550

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:**

$2,067,289

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	430,863
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:	**430,863**

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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 Oneida City School District meets the standards for high-speed connectivity.

   The district currently has the following high-speed broadband connectivity in place:

   - 1 GB connectivity coming into the district through the High School with connectivity out to the other buildings
   - 4 Elementary buildings with 1GB connection
   - 1 Middle School building with 1GB connection

   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	2,220	222,000	222	1000	1000	(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.**

   The Oneida City School district's goal is to increase the number of wireless devices used by students in the instructional day. The plan includes a One-to-One and Two-to-One initiative.

   The district currently has a managed wireless system in place with a centralized controller. With advances in wireless protocols, and additional devices being added to the network, the current switches and access points are antiquated and do not meet the needs of the district current and future initiatives. Due to the age of the District's current solution, SSBA funds in conjunction with E-Rate Category Two funds will be used to upgrade and enhance the current system. The wireless plan includes replacing outdated switches, increase cabling and adding and replacing access points district wide.

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School Connectivity

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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 Instructional Technology Plan outlines increasing the number of devices to move towards a 1-to-1 and 2-to-1 learning environment to better prepare our students as they become future ready. Improving the network backbone and wireless coverage district-wide will support district goals and initiatives. District goals include increasing the use of digital content, increase integration opportunities, increase communication, educate students about digital citizenship, and provide equitable access across all grade levels.

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

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

The Oneida City School District has consulted with the Mohawk Regional Information Center and Carousel Industries to determine the necessary bandwidth and equipment needs to support current operations and district initiatives. The current bandwidth has been deemed sufficient with room to support additional traffic on the network. With advances in wireless protocols, and additional devices being added to the network it has been determined that the current wireless infrastructure does not meet the needs of the district. Due to the age of the District's current solution, SSBA funds will be used to upgrade and enhance the current system district wide.

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
25-14-00-01-7-999-005

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
Jason Benedict	312111

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	89,672
Outside Plant Costs	0
School Internal Connections and Components	341,191
Professional Services	0

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	Sub-Allocation
Testing	0
Other Upfront Costs	0
Other Costs	0
Totals:	**430,863**

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	Erate 70% JW047A AP-220-MNT-W1W Access Point Mount	50	3	150
Network/Access Costs	Erate 70% JW054A AP270 MNT-H1 Outdoor Access Point Mount	3	15	45
Network/Access Costs	Erate 70% JW180A Aruba AP-277 Dual Radio Integrated Directional Antenna Outdoor Access Point	1	263	263
Network/Access Costs	Non Erate JW180A Aruba AP-277 Dual Radio Integrated Antenna Outdoors Access Point	2	878	1,756
Network/Access Costs	Erate 70% JW605AAE Aruba AW K12-1 AirWave K12 Licenses	75	6	450
Network/Access Costs	Erate 70% JW736A Aruba 7205 Wireless Controller	1	1,560	1,560
Network/Access Costs	Erate 70% JW778A Aruba k-12 7205 Controller License	1	3,479	3,479
Network/Access Costs	Erate 70% JW797A Aruba AP-315 Radio Integrated AP	39	119	4,656
Network/Access Costs	Erate 70% JX936A Aruba AP-305 Radio Integrated Access Point	113	84	9,492
Network/Access Costs	Non Erate JX936A Aruba AP-305 Radio Integrated Access Point	64	278	17,792
Network/Access Costs	Erate 70% JW9836A Aruba 2920-48G POE Switch	70	611	42,770
Connections/Components	Erate 70% JW9733A Aruba 2920 2	72	119	8,568

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
	Port Stacking Module			
Connections/Components	Erate 70% J9731A Aruba 2920 10 Gig 2 Port SFP Module	36	117	4,212
Connections/Components	Erate 70% J9152A Aruba HPE X132 SFP LC LRM Transciever	43	106	4,558
Connections/Components	Erate 70% J9734A Aruba 2920 0.5 M Stacking Cable	53	17	901
Connections/Components	Erate 70% J9735A Aruba 2920 1 M Stacking Cable	17	22	374
Network/Access Costs	Erate 70% JL075A Aruba 3810M-16SFP+ 2 Slot Switch	3	1,348	4,044
Connections/Components	Erate 70% JL085A Aruba X371 250W Power Supply	6	103	618
Connections/Components	Erate 70% J9578A Aruba 3800 5M Stacking Cable	2	58	116
Connections/Components	Erate 70% JL084A Aruba 3810 M 4-port Stacking Module	2	366	732
Connections/Components	Erate 70% J8177C Aruba X121 1 Gig SFP Transceiver	5	92	460
Network/Access Costs	Erate 70% J9727A Aruba 2920 24 G POE Switch	1	318	318
Connections/Components	Erate 70% J9283B Aruba HPE X242 10G SFP 3M cable	3	100	300
Network/Access Costs	Non-Erate JL258A Aruba 2930F 8G POE 25FP+ Switch	2	640	1,280
Connections/Components	New Cat 6 Cable Runs including hardware	276	423	116,748
Connections/Components	Switch Installation	1	87,000	87,000
Connections/Components	Configuration of Switches	1	40,651	40,651
Connections/Components	J9151A HPE X132 10G SFP+ LC LR Transceiver	2	1,984	3,968
Network/Access Costs	Non Erate J9727A Aruba 2920 24G PoE Swtich	1	1,057	1,057
Connections/Components	Non Erate J9731A Aruba 2920 10 Gig 2 Port SFP Module	1	389	389
Network/Access Costs	Non Erate JX936A Aruba AP-305 802.11n/ac Radio Integrated Antenna AP	2	280	560

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Select the allowable expenditure type. Repeat to add another item under each type.	Item to be purchased	Quantity	Cost per Item	Total Cost
Connections/Components	Non Erate J9283B Aruba HPE X242 10G SFP 3M cable	7	331	2,317
Connections/Components	Non Erate J9152A Aruba HPE X132 SFP LC LRM Transciever	3	1,056	3,168
Connections/Components	6 Strand OM3 / OM2 Plenium Armored Fiber with Terminations	1	66,111	66,111

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Community Connectivity (Broadband and Wireless)

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

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.**

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	0
Outside Plant Costs	0
Tower Costs	0
Customer Premises Equipment	0
Professional Services	0
Testing	0
Other Upfront Costs	0
Other Costs	0
Totals:	**0**

7. **Please detail the type, quantity, per unit cost and total cost of the eligible items under each sub-category. This is especially important for any expenditures listed under the "Other" category. All expenditures must be capital-bond eligible to be reimbursed through the SSBA. If you have any questions, please contact us directly through smartschools@nysed.gov.**
   Add rows under each sub-category for additional items, as needed.

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Community Connectivity (Broadband and Wireless)

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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)	(No Response)