



SSIP1 Executive Summary (**Draft**)
Infrastructure Upgrades

July 19, 2016

Presented to Onondaga Central School District Board of Education



SSIP1 Executive Summary Overview



Smart Schools Bond Act (SSBA) Overview



Onondaga CSD Goals and Objectives



OCSD Smart Schools Investment Plan (SSIP) 1: *Infrastructure Upgrades*



Previous and Next Steps



Available Resources



Questions and Comments





Smart Schools Bond Act (SSBA) Overview



About the Smart Schools Bond Act of 2014



- The **Smart Schools Bond Act (SSBA)** was passed in the 2014 – 15 Enacted Budget and approved by the voters in a statewide referendum on Nov. 4, 2014.
- The SSBA authorized the issuance of **\$2 billion** of bonds to finance improved educational technology and infrastructure.
- The intent of the SSBA is to **improve current learning opportunities for NYS K12 students** as well as future employment potential in the 21st Century job market.

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About the Smart Schools Bond Act of 2014 (cont.)



- The SSBA provides funds for **three specific areas**:
 - Instructional technology including devices
 - Technology infrastructure & connected systems incl. high-tech Security features
 - Temporary classroom upgrades to permanent structures
- The SSBA requires that a Review Board review and approve districts' **Smart Schools Investment Plans (SSIPs)** before any funds are made available.
- SSIPs are developed by a **District's SSIP team** based on current conditions and the District's five-year objectives.
- **Onondaga Central School District** is eligible for **\$800,506**.





Onondaga Central School District Goals and Objectives



OCSD: Mission and Goals



Mission

The Onondaga Central School Community challenges individual maximum potential, prides itself on success and prepares contributing citizens for life.

We get you ready for life!



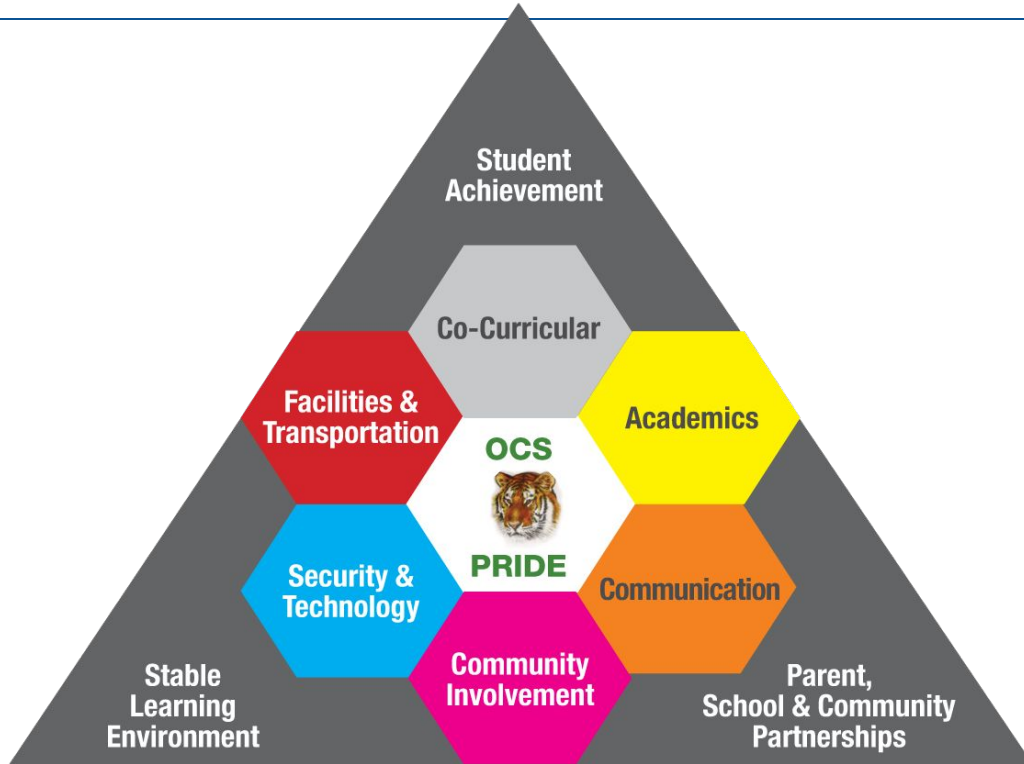
ONONDAGA CENTRAL SCHOOLS
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Technology Consultants



District Goals



OCSD: Technology Goals



The District's Technology Committee has defined the following major technology goals for Smart Schools Bond Act funding:

1 Improve School Connectivity

Goal 1.1: Expand Wireless Coverage

Goal 1.2: Upgrade Physical Infrastructure

Goal 1.3: Improve School Connectivity

2 Upgrade Instructional Technology

Goal 2.1: Additional Student & Staff Computing Devices

Goal 2.2: Upgrade Projectors & Interactive Displays

3 Integrate IP-based Security System

4 Finish Technology System Modernization



OCSD Smart Schools Investment Plans



Each goal will require one (or more) individual technology plans based on funding sources. The Smart Schools Investment Plan (SSIP) summarized here is to obtain the district's SSBA allocation from the State.

This SSIP1 Executive Summary describes the plan for **Improve School Connectivity** required to meet District Goals 1.1, 1.2 and 1.3.

This is the **only SSIP** that OCSD will submit to the SED for the district's total \$800,506 Smart Schools Bond Act allocation.





Onondaga CSD SSIP1 Infrastructure Upgrades



SSIP1: Infrastructure Upgrades



Current Conditions

Current Technology Infrastructure is insufficient to meet future needs of the district.

Recommended Improvements

- Establish industry standard Technology Rooms and Backbone infrastructure.
- Upgrade Cabling and Network Electronics to provide reliable and pervasive wireless network services throughout the district.





SSIP1 Total Funding

Categories	Sub-Allocation \$ Amount
School Connectivity (see details on next pages)	\$800,506
Total Estimated Cost	\$800,506





SSIP1: Infrastructure Upgrades (cont.)

SSIP1 Summary of Sub Allocations

Items	Total Cost
Network/Access Costs	\$198,058
Outside Plant Costs	\$0
School Internal Connections and Components	\$296,780
Professional Services	\$126,400
Testing	\$0
Other Upfront Costs	\$179,268
Other Costs	\$0
Total Estimated Cost	\$800,506



SSIP1: Infrastructure Upgrades (cont.)



SSIP1 Network/Access

Items	Qty	Cost per Item	Total Cost
Data Communications Switches 10/100/1000 PoE	19	\$3,133	\$59,527
Data Communications Wireless Access Points	164	\$522	\$85,608
Data Communications Servers	3	\$17,641	\$52,923
Total Network/Access Costs			\$198,058





SSIP1: Infrastructure Upgrades (cont.)

SSIP1 Internal Connections and Components

Items	Qty	Cost per Item	Total Cost
District-Wide Technology Room Improvements	1	\$125,000	\$125,000
District-Wide Communications Pathways	1	\$33,950	\$33,950
District-Wide Structured Cabling for WLAN	1	\$58,580	\$58,580
District-Wide Fiber Optic Cabling	1	\$53,000	\$53,000
Underground Conduits	1	\$12,000	\$12,000
Temporary Facilities	1	\$6,250	\$6,250
Communications Services	1	\$8,000	\$8,000
Total Internal Connections and Components Costs			\$296,780





SSIP1: Infrastructure Upgrades (cont.)

SSIP1 Professional Services

Items	Qty	Cost per Item	Total Cost
Infrastructure Design and Construction Management Fees	1	\$100,000	\$100,000
Hardware/Software Installation	1	\$16,500	\$16,500
CNYRIC Project Management	1	\$9,900	\$9,900
Total Professional Services Costs			\$126,400



SSIP1: Infrastructure Upgrades (cont.)



SSIP1 Other Costs

Items	Qty	Cost per Item	Total Cost
Infrastructure Design Contingency	NA	\$87,446	\$87,446
Infrastructure Construction Contingency	NA	\$87,446	\$87,446
Network Equipment Contingency	NA	\$3,960	\$3,960
Network Equipment Insurance	1	\$416	\$416
Total Other Costs			\$179,268





Next Steps



SSIP1.1 Next Steps



Date	Milestone
July 19	SSIP1 Executive Summary DRAFT - Approved By Board
July 20	SSIP Executive Summary posted to district website for 30-day review
Aug 9	SSIP1 Plan Public Review meeting, 6:00pm, High School Auditorium
Aug 23	SSIP1 Executive Summary FINAL- Approved By Board
Aug 31	SSIP1 Submission to SSBA website
Oct 1	Design Documents Submitted to NYSED Facility Planning for review
Apr 1, '17	Target Date to Start Bidding (pending NYSED Facility Planning Review)





Available Resources



Available Resources



OCSD Resources

- District Strategic Plan
- District Technology Plan
- District Comprehensive Technology Plan

NYS Resources

- Smart Schools Bond Act of 2014 Statute
- Smart Schools Bond Act FAQs
- Smart Schools Bond Act (SSBA) Guidance
- NYS State Education Dept. (SED) SSBA website





Questions and Discussion

