



Haverstraw-Stony Point Central School District  
65 Chapel Street  
Garnerville, NY 10923

Haverstraw-Stony Point Central School District

**New York State Smart Schools Bond Act  
Preliminary Investment Plan  
2015-2018  
Phase I**

Public Hearing on Smart Schools Bond Funding

A Public Hearing will be held on Smart Schools Bond Act Funding at the  
Board of Education Meeting on (9/6/2016) at 7:30pm at  
North Rockland High School

If you would like to submit written feedback on this proposed  
Preliminary Investment Plan, please email:

[ssba@northrockland.org](mailto:ssba@northrockland.org)

# Preliminary Smart Schools Investment Plan

## TABLE OF CONTENTS

**PLAN OVERVIEW**

**TECHNOLOGY INFRASTRUCTURE PRECONDITIONS**

**SMART SCHOOLS INVESTMENT PLAN GOALS (ALIGNMENT WITH TECH PLAN  
SURVEY)**

**PURCHASE PLAN & ALLOCATION OF FUNDS (USE TABLES AS PROVIDED BY NYSED)**

**PROFESSIONAL DEVELOPMENT**

**SUSTAINABILITY**

**INVESTMENT PLAN TIMELINE**

## **PLAN OVERVIEW**

In November 2014, New York State's voters approved the Smart School's Bond Act (SSBA.) The Haverstraw-Stony Point Central School District (NRCSD) allocation is \$5,294,721.

The State required that as a first step in acquiring funds, districts submit an instructional technology plan for approval. Working with the North Rockland CSD Cabinet, and in consultation with a group of stakeholders, including District Administrators, Teachers, Students, Parents, PTA members, Board of Education members, Community members and the Principal of St. Gregory Barbarigo School , NRCSD's plan was submitted and approved in October, 2015. The 2015-2018 Technology Plan aligns with this investment plan to focus on School Connectivity and infrastructure as a part of our first submission and to meet the connectivity milestones established in our NYSED Approved Instructional Technology Plan.

## **TECHNOLOGY INFRASTRUCTURE PRECONDITIONS**

The Haverstraw-Stony Point Central School District has worked with our local RIC to upgrade our Wide Area Network (WAN) backbone network to 10Gig. The SSBA funds will allow us to build out of this 10 Gig backbone to provide reliable, high speed and a secure Gigabit (1GB) local area network (wiring, access points, and switching equipment), upon which every location in the district will be capable of 1 Gig access. The District will use the SSBA funds towards costs associated with the purchase of the network/access costs, and school building internal connections and components.

This investment in infrastructure and instructional technology will increase the number of locations in our school buildings which will enable us to meet or exceed the Federal Communications Commission minimum speed standard of 100 Mbps per 1,000 students. At this point, our ISP has provided the capabilities to upgrade up to 1Gbps in our bandwidth by just a phone call if needed. The district is planning to apply for the waiver until getting the infrastructure upgrades and then immediately support the new improved school connectivity with additional bandwidth as needed.

## SMART SCHOOLS INVESTMENT PLAN GOALS

The Haverstraw-Stony Point School District intends on using Smart Schools Bond Act funds for costs to install network equipment and WiFi networking equipment in order to expand network access and increase wireless capacity in and around the school buildings for our students. Funding for this infrastructure project will ensure that all school buildings meet or exceed the Federal Communications Commission minimum speed standard of 100 Mbps per 1,000 students. This plan is built on guiding principles that outline how technology supports the District's strategic framework and enhances great teaching and learning for all students. The focus is on teaching and learning.

With the investment in infrastructure, the District will have an opportunity to provide more capacity and more access to a high-quality digital infrastructure which will lead to the following:

- more actively engage students as participants in their own learning
- deepen student learning and the complexity of connections among subject matter
- provide students with the technology that will prepare them for higher education and careers in the 21st century
- teach students the appropriate use of technology in their role as digital citizens
- close the opportunity gap affecting children's access to technology
- allow for online learning from anywhere in the world

## PURCHASE PLAN & ALLOCATION OF FUND

SSBA Budget Category	Allocation
School Connectivity	\$2, 601,650.29
Classroom Technology	
Replace/Construct pre-K programs	
Security Features	
Unallocated Funds	\$2,693,070.71
<b>Totals:</b>	<b>\$5,294.721.00</b>

### School Connectivity Category

The funds allocated in the School Connectivity budget category will be used to update the cabling, infrastructure, access points and to replace aged-out servers in each building. The Haverstraw-Stony Point Central School District has an enterprise Aerohive Wi-Fi network. We currently have 507 access points installed throughout the district. Some, but not all classrooms have access points and our heat maps show that our coverage per building allows approximately 50% of our users able to use it concurrently. Installation of 1 Gig capable access points, along with our infrastructure upgrade, will provide greater coverage and capacity through the installation of one upgraded access point in every classroom and several upgraded access points in large group areas (Gym and Cafeterias). Each classroom access point will have the capacity to handle 100 devices at one time. Each large group area access point will have the capacity to handle up to 512 devices at one time. We believe this will be important for future online testing capabilities and BYOD. Our current Bandwidth is set at 200MB. We plan to upgrade to up to 500MB and replace aged servers and virtual equipment.

### School Connectivity Category PHASE I

<b>SSBA Connectivity for Schools</b>	<b>Sub-Allocation</b>
Network/Access Costs	\$319,248.90
Outside Plant Costs	
School Internal Connections and Components	\$1,919,244.46
Professional Services	\$363,156.93
Testing	
Other Upfront Costs	
Other Costs	
<b>Totals:</b>	<b>\$2,601,650.29</b>

## **PROFESSIONAL DEVELOPMENT**

The Haverstraw-Stony Point Central School District views ongoing professional development as an essential component for every staff member in the District, both instructional and administrative. The SSBA funding does not support Professional Development, however, the District will provide productive and effective professional development to support all District technology initiatives. All staff will have opportunities to learn about the latest in new and emerging technologies that support teaching and learning as well as to increase efficiency of administrative functions.

District Technology professional development goals include:

- Participation in the Lower Hudson Regional Information Center's (LHRIC) Model Schools Program which offers various instructional technology workshops.
- District Tech staff provides one to one or small group training on GAFE, District systems and infrastructure.
- Use of Superintendent's Conference Days, workshops, tutorials, webinars, lunch sessions, one-to-one sessions, before and after school sessions and faculty meetings to provide technology training to teachers and administrators on resources and curriculum-specific technologies as well as professional development for all staff members. Session facilitators include vendors, consultants, the LHRIC's instructional technology trainers and District staff.
- Parents and community are provided with educationally relevant technology information via physical meetings, social media and through an online presence within District cloud-based platforms.

Our investment in School Connectivity and infrastructure will ensure ubiquitous access to high speed internet access and rich content for teaching and learning. Teacher and

students will be able to expand the learning outside the classroom via anytime and anywhere access to instructional materials.

### **SUSTAINABILITY**

The Smart School Schools Investment Plan funds will be sustained with additional investments that the District will make through erate funding as well as through our yearly district budget. We continually monitor and evaluate infrastructure and equipment replacement. Technology support for District equipment is also contracted with the LHRIC. – Lower Hudson Regional Information Center.

In order to sustain our investment in instructional technology and school connectivity infrastructure our district will evaluate and engage in other financial instruments such as IPAs with approval by NYSED and BOCES as well as grant and private funding when available.

### **INVESTMENT PLAN TIMELINE**

Following the approval of our Smart Schools Investment Plan by the Smart Schools Review Board and the New York State Education Department, equipment will be purchased in alignment with our erate funding cycle. All equipment will be purchased according to the District's purchasing policies and budget cycles over the next 4 years. The district will take every provision to ensure the equipment is properly inventoried and coded to the SSBA funding source accordingly.

### **REFERENCES:**

To learn more about the Smart Bond Act Guidelines go to:

[http://www.p12.nysed.gov/mgtserv/smart\\_schools/home.html](http://www.p12.nysed.gov/mgtserv/smart_schools/home.html)

[http://www.p12.nysed.gov/mgtserv/smart\\_schools/docs/Smart\\_Schools\\_Bond\\_Act\\_Guidance\\_04.27.15\\_Final.pdf](http://www.p12.nysed.gov/mgtserv/smart_schools/docs/Smart_Schools_Bond_Act_Guidance_04.27.15_Final.pdf)

<http://www.p12.nysed.gov/facplan/SmartSchoolsBondAct.html>