

# Smart Schools Investment Plan 2.1

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Syracuse City



School District

## **SSIP2.1** EXECUTIVE SUMMARY, **FINAL** Primary Data Center Improvements

May 23, 2016

*Presented to Syracuse City School District Board of Education*



**ARCHI-TECHNOLOGY**<sub>LLC</sub>  
Technology Consultants

**Connecting People, Technology & Buildings**

# Overview

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Smart Schools Bond Act (SSBA) Overview



Syracuse CSD Goals and Objectives



SCSD Smart Schools Investment Plan (SSIP) 2.1:  
*Primary Data Center Improvements*



Previous and Next Steps



Available Resources



Questions and Comments



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## Smart Schools Bond Act (SSBA) Overview



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# 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 (cont.)



- The SSBA provides funds for three specific areas:
  - Instructional technology including devices
  - Technology infrastructure and connected systems including 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.
- **Syracuse City School District** is eligible for **\$27,150,068.**



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## Syracuse City School District Goals and Objectives



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# SCSD: Mission and Goals



2012 – 2017 Strategic Plan

## Mission

To build, support, and sustain school communities that provide all students with a high-quality education that prepares them to graduate as responsible, active citizens ready for success in college and careers and prepared to compete in a global economy.

## Ultimate Goal

An educational community that graduates every student as a responsible, active citizen prepared for success in college, careers, and the global economy.

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# SCSD: Mission and Goals (cont.)

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## District Goals

1. Provide all students with equitable access to rigorous **curriculum** with aligned instructional materials and assessments in all subjects and all grade levels.
2. Recruit, develop, support, and retain effective **teachers** and **school leaders**.
3. Develop **infrastructure** to support student success.
4. Build a district **culture** based on high expectations, respect, and co-accountability for performance that recognizes and rewards excellence at all levels of the organization.
5. **Communicate** effectively with all district stakeholders.



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# SCSD: Technology Goals



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

## Current Goals

1. Student Computing **Devices** to support Blended Personalized Learning (BPL)
2. **Data Center** Improvements

## Future Goals

3. High-Tech **Security Systems** (including Integrated Security Management, Access Control and Video Surveillance)
4. **School Connectivity** (High Speed Broadband and Wireless Connectivity)



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# SCSD Smart Schools Investment Plans



Each goal will require one (or more) individual Smart Schools Investment Plans (SSIPs) to obtain the district's SSBA allocation from the State.

This SSIP2.1 Executive Summary describes the first of two Phases required to meet **District Goal 2, Data Center Improvements:**

- **Phase 1:** Primary Data Center Improvements
- **Phase 2:** Data Center Redundancy

**Phase 2** will be the subject of its own SSIP (2.2).



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## Syracuse CSD SSIP2.1: Primary Data Center Improvements



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# SSIP2.1: Data Center Improvements

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## Current Conditions

Failure of the power and cooling system that supports the Data Center could result in the shutdown of critical data and network equipment required for educational technology systems.

## Recommended Improvements

- Cooling
- Power Generator



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## Data Center Cooling

- Current primary system has limited reliability and is approaching end of useful life.
- Current back-up system cannot meet cooling demands on many days.
- Will be replaced with a data center-specialty system adequately sized for the cooling demands of the equipment located in the Data Center.
- Adequate cooling is required to ensure reliable operation of the district's Data Center.

## Generator

- To be replaced with a properly sized unit to replace the current generator which has long since exceeded its intended life expectancy.



# SSIP2.1: Data Center Improvements (cont.)



## Total SSIP2.1 Funding

Categories	Sub-Allocation \$ Amount
Customer Premises Equipment	\$300,000
Professional Services	\$30,000
Other Costs	\$20,000
<b>Totals</b>	<b>\$350,000</b>



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# SSIP2.1: Data Center Improvements (cont.)



## Total SSIP2.1 Cost Estimate NOC Emergency Power & HVAC Upgrades

Components	Estimated Amount
<b>Generator</b>	<b>\$107,500</b>
Includes: 150 Kw Emergency Generator; Utility-Grade Automatic Transfer Switch; Wiring/Conduit/Panel; Miscellaneous (rigging, removals, roof & GC work, etc.), and labor	
<b>HVAC Upgrades</b>	<b>\$185,000</b>
Includes: (2) Liebert 15-ton units, removals, piping, GC and roof work, miscellaneous related equipment, and labor	
<b>Professional Fees</b>	<b>\$30,000</b>
<b>Total</b> (with added OHP, Bonds, Insurance, etc.)	<b>\$350,000</b>



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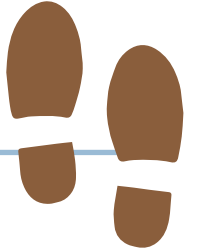
## Previous and Next Steps





# SSIP2.1 Previous & Next Steps

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## SSIP2.1 Previous Steps

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- April 14** SSIP2.1 Plan and Executive Summary posted to district website for 30-day review period
- April 18** SSIP2.1 Plan public review meeting, 4:30 pm  
District Main Office, 725 Harrison St., Syracuse
- May 14** SSIP2.1 Plan public review period ends including submissions via the Let's Talk SSIP web page

## SSIP2.1 Next Steps

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- May 23** Board Final Approval of SSIP2.1 Plan
  - May 24** Posting of final SSIP2.1 Plan to district website
  - June 15** Target SSIP2.1 Plan submission to NYS SED for review and approval
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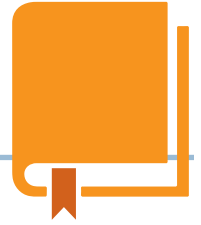


## Available Resources



# Available Resources

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Click on the link to open the PDF or web page in your web browser.

## SCSD Resources

- SCSD Smart Schools Bond Act [web page](#)
- SCSD Smart Schools Bond Act [Timeline](#)
- SCSD *Great Expectations* [5-Year Strategic 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](#)



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## Questions and Discussion

