

# Smart Schools Bond Act Committee

---

December 7, 2015

# Smart Schools Bond Act of 2014

---

- Statewide Referendum held on November 4, 2014
- The bond financed improved educational technology and infrastructure to help improve learning and opportunity for students throughout the state.
- New York State determined the allocation for each district:
  - ✓ Miller Place UFSD Allocation = \$1,892,970

# Smart Schools Bond Act Facilities Considerations

---

- Possible future state mandate for pre-kindergarten
- Justifications for construction –
  - ✓ Currently Pre-kindergarten students are not educated in the District - average students who could benefit is 160
  - ✓ All classrooms in Andrew Muller Primary School are currently utilized for the existing K-2 program
  - ✓ Location for addition – east of the existing addition built in 2010
  - ✓ 2 classrooms added to serve pre-kindergarten students

# Smart Schools Bond Act Facilities Project for Consideration

---

- Facilities Director as requested reviewed for consideration pre-kindergarten classrooms with the following guidance information:
  - ✓ Classroom - minimum 900 square feet of floor space, ADA compliant, and bathroom
  - ✓ Windows – students have an exterior view
  - ✓ Mechanical ventilation – controlled heating and source of fresh air
  - ✓ Egress – Two forms needed – windows and/or doors; plus hallway doors
  - ✓ Sink areas, cubbies, learning centers, technology capability
  - ✓ Review and Approval required by NYSED Facilities Planning

# Smart Schools Bond Act Facilities Considerations

➤ Enrollment information for pre-kindergarten:

<b>BEDS Date Enrollment</b>	<b>Kindergarten</b>	<b><i>Projected Pre-kindergarten</i></b>
Oct-09	215	175
Oct-10	175	210
Oct-11	210	166
Oct-12	166	181
Oct-13	181	148
Oct-14	148	152
Oct-15	152	n/a

***7 Year Average***                      *178*

***5 Year Average***                      *171*

***3 Year Average***                      *160*

# Smart Schools Bond Act IT Considerations

- Requires reviewing linkage to the District's Instructional Technology Plan and gaps in the District's current level of technology and the District's stated vision including:
  - ✓ All items related to network infrastructure to support required increase of WAP's and student devices
  
- Requires reviewing the linkage for the use of digital connectivity and technology to improve teaching and learning in the classroom:
  - ✓ Creativity and innovation
  - ✓ Communications and collaboration
  - ✓ Research and Information Fluency
  - ✓ Critical Thinking, Problem Solving and Decision Making
  - ✓ Digital Citizenship
  - ✓ Demonstrate the safe and cooperative use of technology
  - ✓ Technology operations and concepts

# Smart Schools Bond Act IT Considerations

---

- Smart Schools Bond Act - Funds used for technology infrastructure requires that Districts must increase the number of school buildings that meet or exceed the Federal Communications Commission minimum speed:
  - ✓ 100 Mbps per 1,000 students in District
  - ✓ For Miller Place that means *~300 Mbps*
  - ✓ Increases annual maintenance costs to District
  - ✓ Need for bandwidth on annual basis or as needed
  - ✓ Potential for higher bandwidth requirements shortly

# Smart Schools Bond Act IT Projects for Consideration

---

- IT Director as requested reviewed for consideration School Connectivity Infrastructure Projects and recommends the following possible consideration:
  - Move Network Operations Center (NOC)
  - Connectivity between High School and Central Office
  - Wired Network Update
  - Wireless Network Update
  - Servers Update
- Possible Future Mandate – Online Testing (NYSED Memo 12/1/15)
  - Bandwidth Considerations
    - 3-8 Testing
    - Regents Exams
    - SAT/ACT Exams



# Smart Schools Bond Act IT Project for Consideration

---

- Move the Network Operations Center (NOC)
  - ✓ Currently NOC is located at the North Campus
  - ✓ Central hub for all network operations in District
  - ✓ External connectivity issues
  - ✓ Less down time due to service interruption – affects all district staff/students
  - ✓ Potential access to the generator at the High School

# Smart Schools Bond Act IT Project for Consideration

---

- Connectivity between High School and Central Office
  - ✓ Currently CO connected thru North Campus for email, internet, servers, and phones
  - ✓ Reduction of monthly lease fees for the Wide Area Network (WAN) Connection between NCR and CO
  - ✓ Less down time due to service interruption
  - ✓ Potential access to the generator at the High School

# Smart Schools Bond Act IT Project for Consideration

---

- Update the Wired Network
- Consideration for Wired Network updating includes:
  - ✓ Network Switches
  - ✓ Blades
  - ✓ Uninterruptible Power Supply (UPS's)
  - ✓ Other related network equipment

# Smart Schools Bond Act IT Project for Consideration

---

- Update the Wireless Network
  - Consideration for wireless network updating includes:
    - ✓ Wireless access points (WAP's)
    - ✓ Wireless access point controllers
    - ✓ Possible mobile device management solutions
    - ✓ Other related wireless equipment

# Smart Schools Bond Act IT Project for Consideration

---

- Update District Servers
  - Consideration for District Servers includes:
    - ✓ Replacing existing servers
    - ✓ Other related server equipment

# Smart Schools Bond Act IT Considerations

---

- Recurring costs of investments:
  - Warranties
  - Manpower to maintain investments:
    - Technical support
    - Staff professional development
    - Replacement of incidental items
  - Compatibility with the existing infrastructure
  - Replacement of devices and equipment at the end of their useful life with other funding sources (future budget impact)

# Smart Schools Bond Act Projects Not Considering

---

- Replacement of Classroom Trailers
  - ✓ Not Applicable
- High Tech Security Features
  - ✓ Features already in place in the District
- Connectivity Projects for Communities
  - ✓ No – Outside Organizations in District - Library, YMCA, Senior Centers
- Classroom Learning Technology
  - ✓ No student devices

# Smart Schools Bond Act Projected Timeline

1.	Form Committee of Stakeholders	September 2015
2.	Determine District Needs	November 16, 2015 & December 7, 2015
3.	Committee Finalize Recommendations	December 7, 2015
4.	Develop SSBA Preliminary Plan	December 8-23, 2015
5.	Submit Letter of Intent to NYSED Facilities Planning	December 8-23, 2015
6.	Receive Project Numbers from NYSED Facilities Planning	January 2016
7.	Board of Education – Preliminary Approval of SSBA Plan	January 27, 2016
8.	Post Preliminary Plan on the Website for 30 days	January 28, 2016
9.	Public Hearing with 2 weeks public notice	February 24, 2016
10.	Board of Education – Final approval of SSBA Plan	March 30, 2016
11.	SSBA Plan submission to NYSED	April 1-April 8, 2016
12.	SSBA Plan review by NYSED	April 9-June 30, 2016
13.	NYSED submission of SSBA Plan to Smart Schools Review Board for approval	July 1, 2016-September 30, 2016 (Smart Schools Board meets quarterly)
14.	Architect develop detailed plans and specifications	October-December 2016 (3 months)
15.	Submit final plans to NYSED Facilities Planning for approval	January 1, 2017
16.	Receive NYSED Facilities Planning approval	January 2018 (12 months)
17.	Bid projects	February-March 2018
18.	Award projects	March-April 2018
19.	Begin projects	Summer 2018



# Smart Schools Bond Act

---

Discussion

Questions & Answers