Smart Schools Bond Act Committee

Niagara Falls City Schools

December 8, 2016

Mark R, Laurrie
Superintendent of Schools

Darlene Sprague, Administrator for Information Services
Earl Smeal, Energy and Procurement Specialist

Charge to the Committee

▶ The Smart Schools Bond Act of 2014 was included in the 2014-2015 Enacted State Budget. The purpose of the Act is to provide funding to school districts to improve educational technology and infrastructure, and to improve learning opportunities. The charge to the Smart Schools Bond Act Committee is to develop and receive approval of a Smart Schools Investment Plan by following all protocols of the legislation.

▶ Niagara Falls Allocation - $8,865,240

Smart Schools Bond Task Committee

Committee Co-Chairs – Darlene Sprague / Earl Smeal

Technology Committee Members

▶	Diane Bianco	Edwin Maynard
▶	David Brooks	Ronni McGrath
▶	Richard Carella	Gerald Orfano
▶	Roger Carroll	Alicia Savino
▶	Tina Gregory	Derek Zimmerman
▶	Melanie Kitchen	Phillip Miano
▶	Ray Granieri	

Teachers

- ▶ Richard Meranto
- ▶ David St.Onge
- ▶ Edward Wisniewski

Non Pub Representatives

- ▶ Catholic Academy of NF, Jeannine Fortunate
- ▶ Niagara Catholic – Christine Muto

  Jennifer Rhoads

Other District Staff

- ▶ Mark Laurrie
- ▶ Joe Giarrizzo

Higher Education

Patricia Wrobel, Niagara University

Monica Lopoyda, NCCC

Parents

Mrs. Brook Nigro (Maple Ave, Gaskill Prep)

Ms. Becky Hedgepeth (Niagara Street)

Ms. Darlene Kislack (NFHS)

Community Members

NF Housing Authority - Antonette Polito

Randy Palladino 940-6007

Students

Chris Coleman

Megan Scime

Naomi Palmer

Documents Used in the Process

- Smart Schools Bond Act Implementation Guidance
- Smart Schools Investment Plan
- Instructional Computer Technology Tools 2015 – 2016
- Meeting Minutes
  - Introduction and Charge to Committee PowerPoint
  - Workshop to brainstorm items to include in the Investment Plan
  - Phasing Plans

Smart School Categories

★ **Learning Technology**

Acquire learning technology equipment or facilities, including but not limited to interactive whiteboards, computer servers, and desktop, laptop, and tablet computers.

Broadband & Wireless Internet

Install high-speed broadband or wireless internet connectivity for schools and communities.

★ **Security Features**

Install high-tech security features in school buildings and on school campuses, including but not limited to video surveillance, emergency notification systems, and physical access controls.

Pre-K and Other Instructional Space

Construct, enhance, and modernize educational facilities to accommodate pre-kindergarten programs and to provide instructional space to replace classroom trailers.

Investment Plan Process

▶ Districts develop and Board approves draft Smart Schools Investment Plans.

▶ Plans are posted on district websites and notice is provided to the public regarding a hearing. It must be posted for at least 30 days.

▶ Community feedback is provided at hearing and via written comments.

▶ The district plan is finalized and approved by the Board.

▶ The final plan is posted on the district website.

▶ District plans are submitted via the Business Portal for review.

Where Are We In The Process –Phase 1

- ✓ Comprehensive Technology Plan – NFCSD Board Approved May 2015
- ✓ Technology Plan Survey Submitted to WNYRIC – 7/16/15
  - ✓ Approved 10/20/15
- ✓ Committee Meeting – September 2015 – Introduction and Charge
- ✓ Committee Meeting – October 2015 – Itemization Workshop
- ✓ Committee Meeting – November 2015 – Review Priority and Phasing
- ✓ Prepare Investment Plan – November 2015
- ✓ Board Approve Draft Plan – December 2015
- ✓ Posted on District Website – December 2015 – January 2016
- ✓ Public hearing – January 2016
- ✓ District Plan Finalized and Approved by Board – January 2016
- ✓ Review Board meets Quarterly – Target 1st Quarter 2016

Where Are We In The Process – Phase II

- ✓ Prepare Investment Plan – November 2016

- ✓ Board Approve Draft Plan – December 2016

- ✓ RFP for AE Services – December 2016 – January 2017

- ✓ Plan Posted on District Website – Dec. 2016 – Jan. 2017

- ✓ Public hearing – January 2017

- ✓ District Plan Finalized and Approved by Board / Approval of Architect – January 2017

- ❑ SSBA Review Board meets Quarterly – Target 1st Quarter 2017

Committee Recommendations
★ Learning Technology

Phase	Description
1	1:1 computer devices with carts – preference was for 2 in 1 devices
1	Upgrade Digital Photography Lab computers at NFHS
1	Update Stem lab (Innovations at NFHS) with larger robust computers/bigger monitor for CAD
1 **	TV studio: Replace outdated camera (NFHS, GPS)
1 **	TV Studio: Replace older video mixer (NFHS, GPS)
3	3D Projectors on carts
3	Equipment for virtual fieldtrips
3	Tablets with charging cart
3	Stem related equipment, robotic devices, digital microscopes
3	Verizon Classroom Drone
N/E (NYSTL funds)	Scribe pens for students with disabilities
N/E (NYSTL funds)	Headphones/headsets
N/E (NYSTL funds)	High tech graphing calculators
General Fund	Smartboard Update Projectors
BOCES	New or additional servers - Increase storage for student/teachers

N/E – not eligible under guidelines

** - need to check if eligible

Committee Recommendations
★ Security Features

Phase	Description
	Security Camera Systems
2	New cameras at various locations
2	New camera lighting
2	Cameras in key places in the building (exit/entry, playground, swimming pool)
2	Panic buttons at school entrances
3	Wireless communications devices) replacement for walkie talkies)
3	Underwater camera for safety that has emergency detection of a passive drowning victim
N/E*	New camera in pre-K class (non-pub request)
	PA System
2	District-wide public address system – more than current radio system Replace PAS at Hyde Park and Cataract
Not needed	Emergency notification by text - School Messenger in place already
N/E*	Communication system that reaches all classrooms/ cafeteria (non-pub request)
	Building Access System (Proxy cards)
2	Update system
2	Ability to turn access on and off, to eliminate persons entering during lockdowns, closures, etc.
	Entrance Security System
1	3M film on windows
2	Door frame replacement so alarms will sound / Open Door Alert
no	Metal detectors

First Investment Proposal – Completed December 2016

Classroom Technology		
Phase	**Description**	**Cost**
1	6,720 Classroom devices for laptop carts to facilitate each student having a computer device to use in the classrooms at Gaskill Prep, LaSalle Prep and Niagara Falls High Devices are 2 in 1 with tablet and laptop funtionality built in, 10 inch screen and attached keyboard which meet New York State Computer Based Testing requirements 55 carts at GPS (30 per cart) 57 carts at LPS (30 per cart) 112 carts at NFHS (30 per cart)	$ 5,093,760
1	Digital Photography Lab computers at NFHS	$ 89,845
1	Stem lab (Innovations at NFHS) with larger robust computers/bigger monitor for CAD work using SolidWorks and MasterCam.	$ 28,650
1	Student operated TV studios: Replace outdated cameras (NFHS, GPS) NFHS - 4KCAM Camcorder with Streaming host and microphone kit	$ 7,175

1	Student operated TV Studio: Replace older video mixer (NFHS)
	  12 input HD Video Switcher with various inputs and outputs
	  18.5 inch HDTV professional monitor with stand with various input and output ports.
	Student operated TV studios (LPS, GPS)
	  HDMI video switcher with 4 inputs with cabling
	  HDMI to Composit Down Converter
		$ 10,166

Total		$ 5,229,596
Actual Expenditure		**$ 4,277,179**

Second Investment Proposal

Security Features				
Phase	**Description**	**Cost**		
2	Door Hardening Measures/Window Security Film - 3a.	$ 300,000		
2	Install security Cameras and upgrade existing cameras and camera system infrastructure as necessary to provide security cameras at all entrances - 3a.	$ 1,600,000		
2	Replace district-wide the proximaty card access system, with panic button technology, and two PA Systems to give District-wide emergency paging capabilities - 3b.	$ 1,587,311		
Total		$ 3,487,311		
	Assumes bringing forward unused funds from Phase 1		268,778	