



## SMART SCHOOLS BOND ACT

#### SMART SCHOOLS FUNDING CAN BE USED FOR:

 Installing high-speed broadband or wireless internet connectivity

 Acquiring learning technology equipment

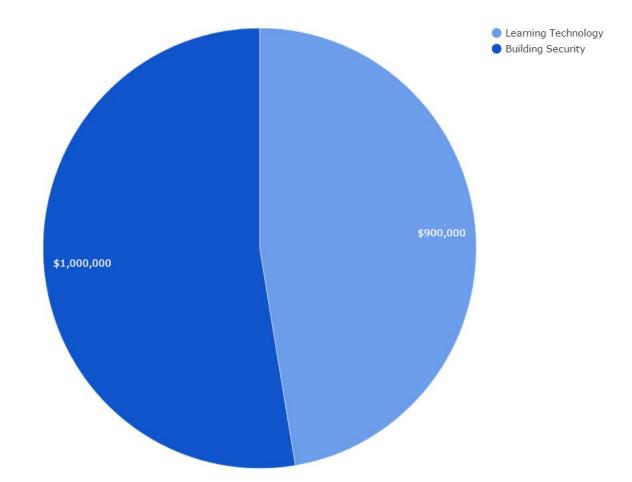
 Installing high-tech security features in school buildings and on school campuses

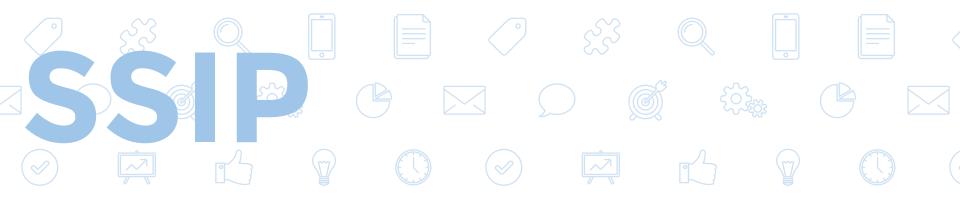


\$1,921,304

allocation to Queensbury as part of the November 2014 referendum approved by state voters

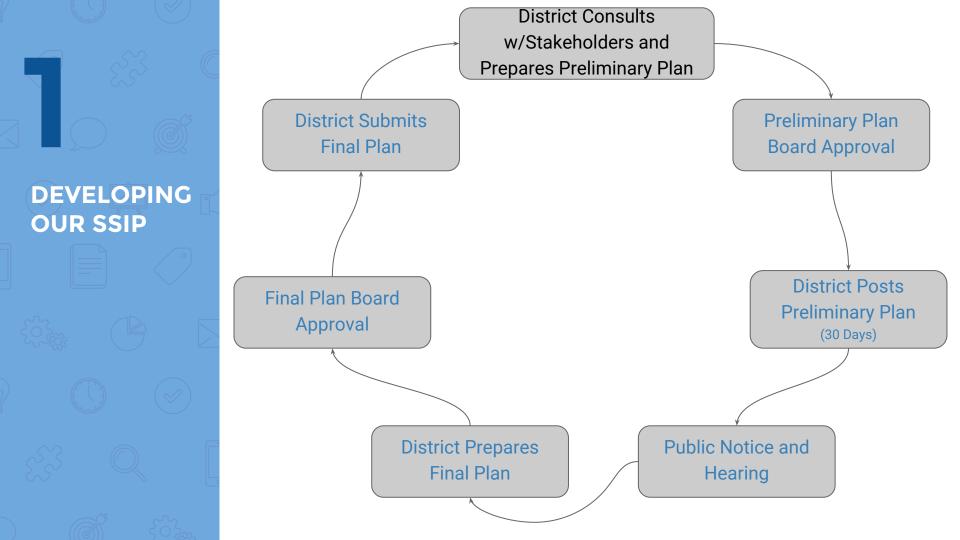


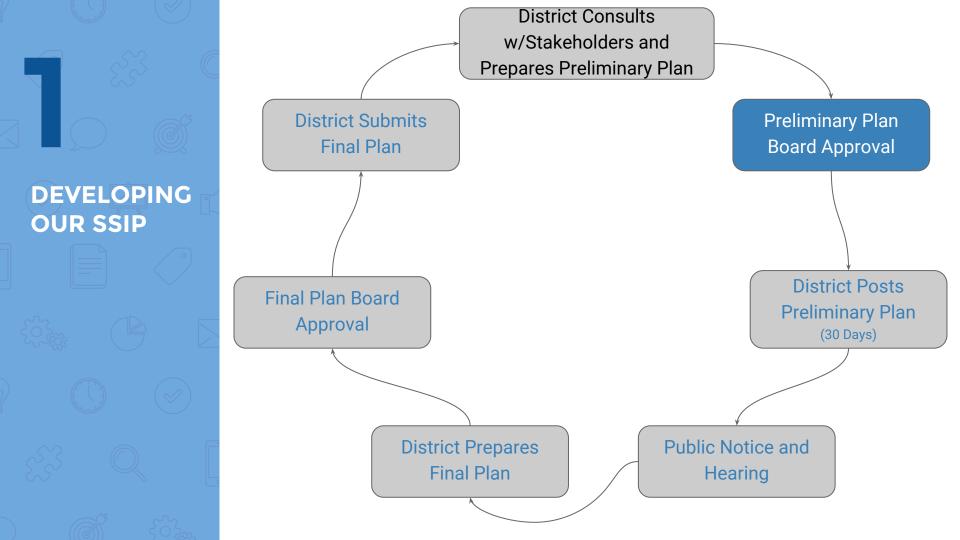


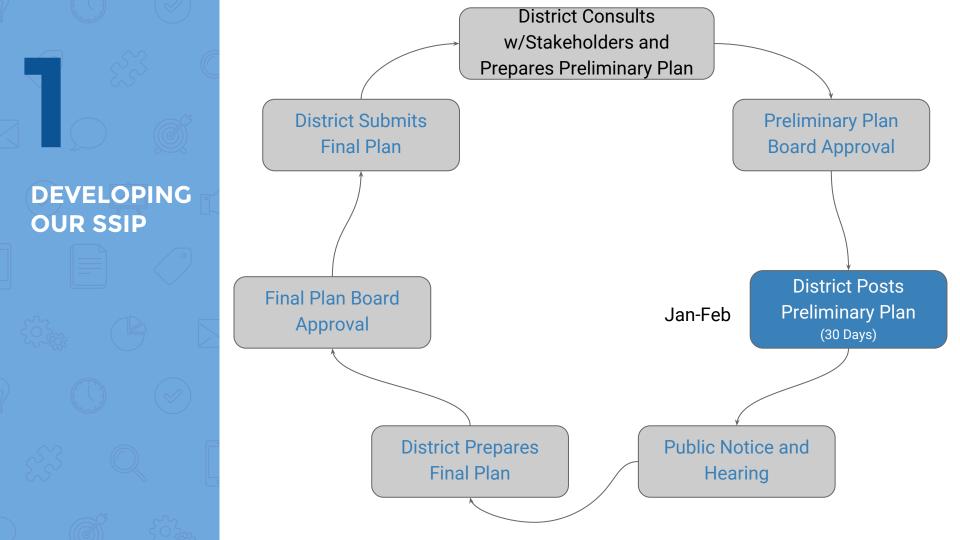


# SMART SCHOOLS INVESTMENT PLANS

Schools must submit to access allocation

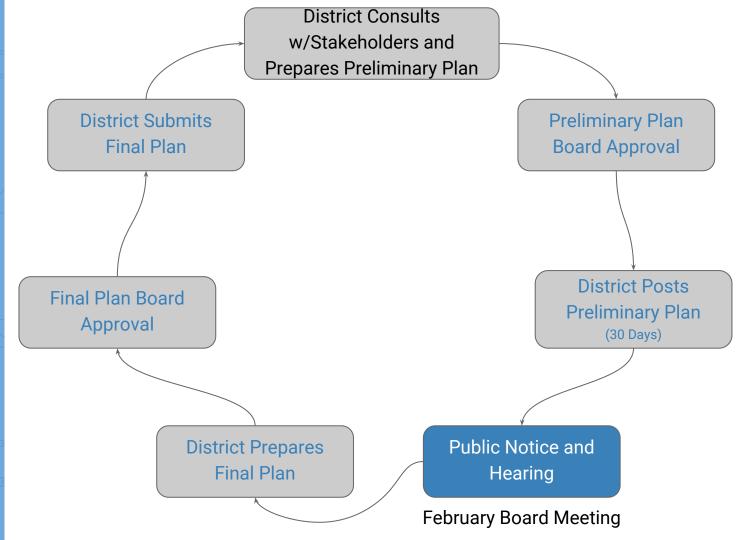


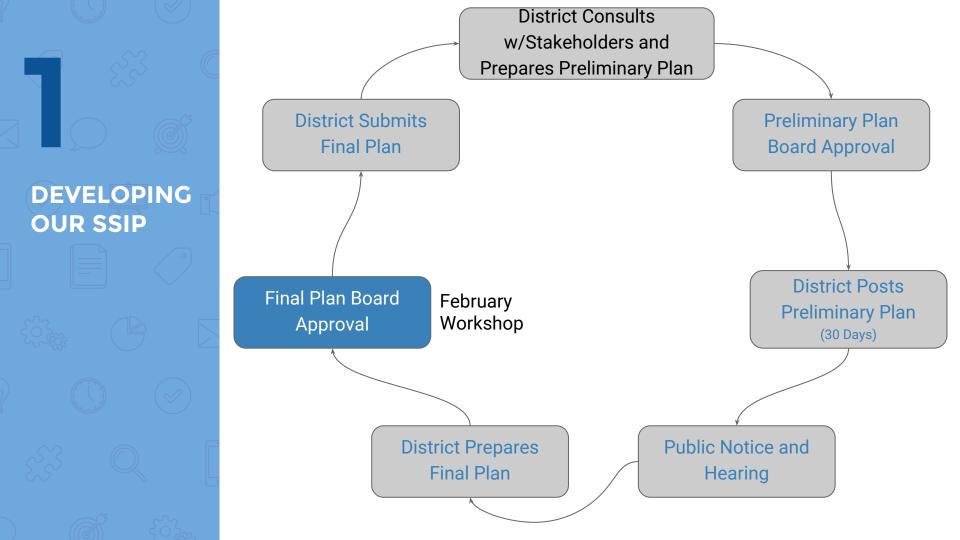


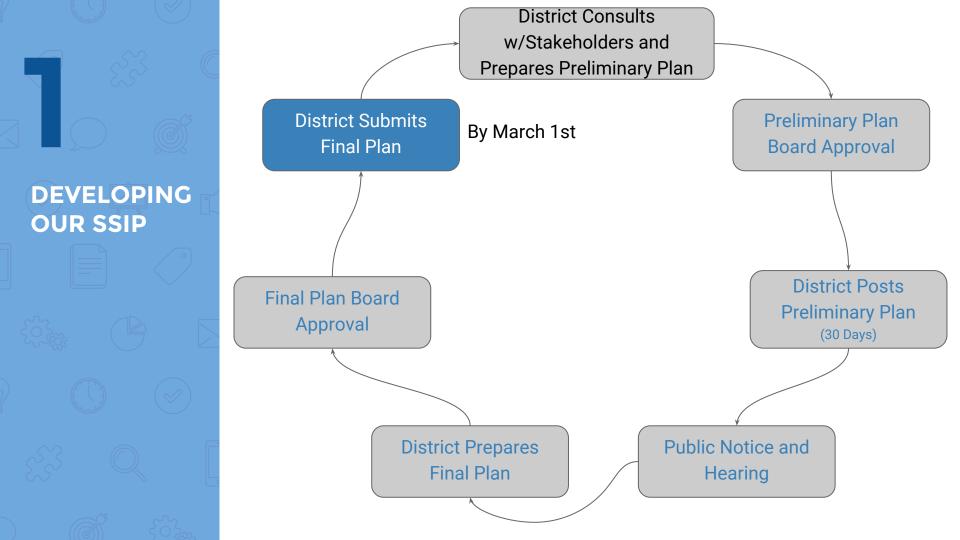


DEVELOPING

OUR SSIP for Technology







#### CLASSROOM TECHNOLOGY DEVICES

#### **Plan Submission**

Plan can be submitted once Board has approved a final SSIP

#### **Eligible Equipment**

Equipment can include the following devices:

- Interactive whiteboards
- Computer servers;
- Desktop, laptop, and tablet computers
- Other technology items that enhance teaching and learning; and
- Expenses related to the installation of new devices

#### Multiple SSIPs

Districts can submit multiple SSIPs so that the purchasing of the equipment can be spread out over multiple years

CLASSROOM TECHNOLOGY DEVICES: CLASSROOM DISPLAY

QMS and QES still using display technology from 2004



## CLASSROOM TECHNOLOGY DEVICES: CHROMEBOOKS

- 3,600 Chrome Devices purchased over the past three years
- 4-YearReplacementPlan



CLASSROOM TECHNOLOGY DEVICES: WIRELESS REPLACEMENT & EXPANSION

Need for faster wireless access continues to grow



PRELIMINARY PURCHASE PLAN: TECHNOLOGY

|         | Classroom Display | Chromebook<br>Replacement | Wireless Upgrade |
|---------|-------------------|---------------------------|------------------|
| 2016-17 | \$399,175         | \$148,500                 | <b>\$</b> 0      |
| 2017-18 | <b>\$</b> 0       | \$148,500                 | \$90,400         |
| 2018-19 | <b>\$</b> 0       | <b>\$74,250</b>           | \$39,175         |

PRELIMINARY
PURCHASE
PLAN:
SCHOOL
SECURITY

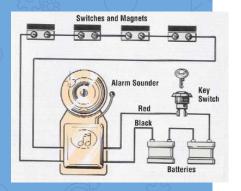
#### **Eligible Equipment include the following devices:**

- High-tech security features
- Video surveillance
- Emergency notification systems
- Physical access controls

#### The Process for the Security Items is a bit more involved

- We will need to engage an Architect for project design & development
- SED Facility Management Review/Approval Process before submission of a second SSIP

#### SECURITY SYSTEM REPLACEMENT



- Existing security system equipment is leased
- More coverage is required
  - High value areas
  - Broader area of the building
- Perimeter door security would be added
  - Will allow for door a-jar monitoring during occupied hours
  - Door openings would be alarmed and would notify administration that someone is leaving or entering the building

### VIDEO SURVEILLANCE SYSTEMS



- Replace Digital Video Recorders & upgrade to networked devices
  - Current devices are over 10 years old
- Upgrade Cameras & Coverage
  - Expand & replace
  - Move from analog cameras to complete digital platform

#### PUBLIC ADDRESS SYSTEMS



- Replace aged and failing public address systems in all buildings
- New equipment would provide richer features & expanded capabilities
- Will allow us to integrate with other security systems
- Expand communication abilities
  - Building to building
  - Two-way communication to classroom

#### CARD ACCESS SYSTEMS & DOOR HARDWARE



- Expand card access to include more doors
- Replace control software of current Card Access
   System
  - no longer supported by manufacturer
  - near maximum capacity
- Upgrades to interior door hardware in classrooms and offices where needed
  - Replace old style door hardware with "classroom function" door hardware and locking
- If Budget allows
  - Re-do keying of buildings to new and more secure system with better control

### UPGRADE OF PHONE SYSTEM



- Continue our migration to Voice Over Internet Protocol (VOIP)
  - Install new VOIP telephones in Administrative areas of each building
  - This will allow for integration with the other security systems being upgraded

## OF ALL OUR SECURITY SYSTEMS



- A major component of this effort is to purchase a system that will integrate all security systems on campus to a single platform ...
  - Lockdown event can be initiated with single action reducing the notification time to first responders and others
  - Will integrate the many features of each separate security system to leverage the capabilities of each system to improve the functionality of the entire system
  - Multiple parties can be notified immediately through different communication methods to expedite notification

... and more.

## PRELIMINARY PROJECT BUDGET SECURITY COMPONENT



| Proposed Security Components<br>of Smart Schools Program | Preliminary<br>Estimate of<br>Construction<br>Cost | Anticipated<br>Incidental<br>Costs (15%) | Preliminary<br>Estimate of<br>Total Cost |
|--|--|--|--|
| Security System Replacement                              | \$200,000  | \$30,00                                  | \$230,000                                |
| Video Surveillance System<br>Upgrades                    | \$180,000  | \$27,000                                 | \$207,000                                |
| Replacement of Building Public<br>Address (PA) Systems   | \$130,000  | \$19,500                                 | \$149,500                                |
| Card Access Upgrades                                     | \$145,000  | \$21,750                                 | \$166,750                                |
| Telephone System Upgrades                                | \$85,000   | \$12,750                                 | \$97,750                                 |
| Systems Integration                                      | \$75,000   | \$11,250                                 | \$86,250                                 |
| Contingency (5%)   | \$54,565   | \$0,000                                  | \$0,000                                  |
| Total Budget   | \$869,565  | \$130,435                                | \$1,000,000                              |

# NEXT STEPS

#### With Approval to Proceed with our Preliminary Plans

#### Technology

- Public Comment
- Finalize Plan
- Submit SSIP for Technology (2016-17)
- Wait for approval
- Move forward with Plan

#### Security - Different Process than Technology will follow

- Public Comment
- Work with Architect to finalize our plans
- Submit Letter of Intent (LOI) to obtain SED Issues Project Number
- Review Project Plans with SED for their preliminary approval
- Develop Specifications & Drawings for submission to SED for review & approval (similar to Capital Project Process)
- Submit SSIP for Security
- Wait for Approval Move forward with the Plan



#### PROJECT TIMELINE

- January 2016 Preliminary Plan Presented to BOE
- January/February 2016 Public Comment
- February 2016 BOE Approval of Final Plan
- End of February 2016 Technology SSIP Submitted

#### Security Approval and Planning Process Continues

March - May/June 2016 Work with Architect & NYS Office of Facilities Planning:



- June/July 2016 Submit SSIP for Security
- September to December 2016 Project Approval
- Bid out Work



### THANKS!

Any questions?