

A person in a dark suit and blue tie is holding a tablet. The tablet screen shows a futuristic interface with glowing blue and white hexagons, a world map, and a small video inset of a person at a podium. The background is a bright blue gradient with light rays.

Smart Schools Bond Act

Manchester-Shortsville
Central School District

Presented to the
Red Jacket Board of Education
January 10, 2018

Red Jacket Tech Team Members

Olivia Guadagno – Student

Nathan Unger – Student

Sue Bailey – Senior Computer Service Asst.

Timothy Burns – Business Manager

Kristine Guererri – Assistant Superintendent

Comments to: smart.bond@redjacket.org



Purpose

Funding to support educational technology and infrastructure in order to improve learning and opportunity for students to succeed in the 21st century economy.

Funding to support

- Access Points - High speed broadband or wireless connectivity upgrade
- Switches for wireless access points
- Server needed for back-up





Conditions

- Demonstration of need
- Adequate technological infrastructure
- Sustainability
- Professional Development
- Technical Support



Allocation

\$715,681

- One-time allocation
- No deadlines for submission
- Funds do not expire
- Funds can be reimbursed on an ongoing basis



Steps

1. Review allocation amount
2. Identify district needs
3. Stakeholder engagement [share info with all groups]
4. Capital planning [work with Business Manager]
5. Instructional technology plan-submitted and approved
6. Preliminary Plan submission to BOE - January 10, 2018
7. 30 day Review-public comments accepted through February 12, 2018
8. Public Hearing - March 14, 2018
9. Final plan-BOE Approval - March 14, 2018
10. Submit to SED - March 15, 2018
11. Expenditure and reimbursement of funds.

Steps @ NYSED

Initial Review

- First submission
- Resubmission after revision

Program Area Review

Depending on the Budgeted Categories:

- Sent to the Office of Educational Design and Technology for review and/or
- Sent to the Office of Facilities Planning for review and/or
- Sent to the Office of Early Learning for review

Expenditure Review

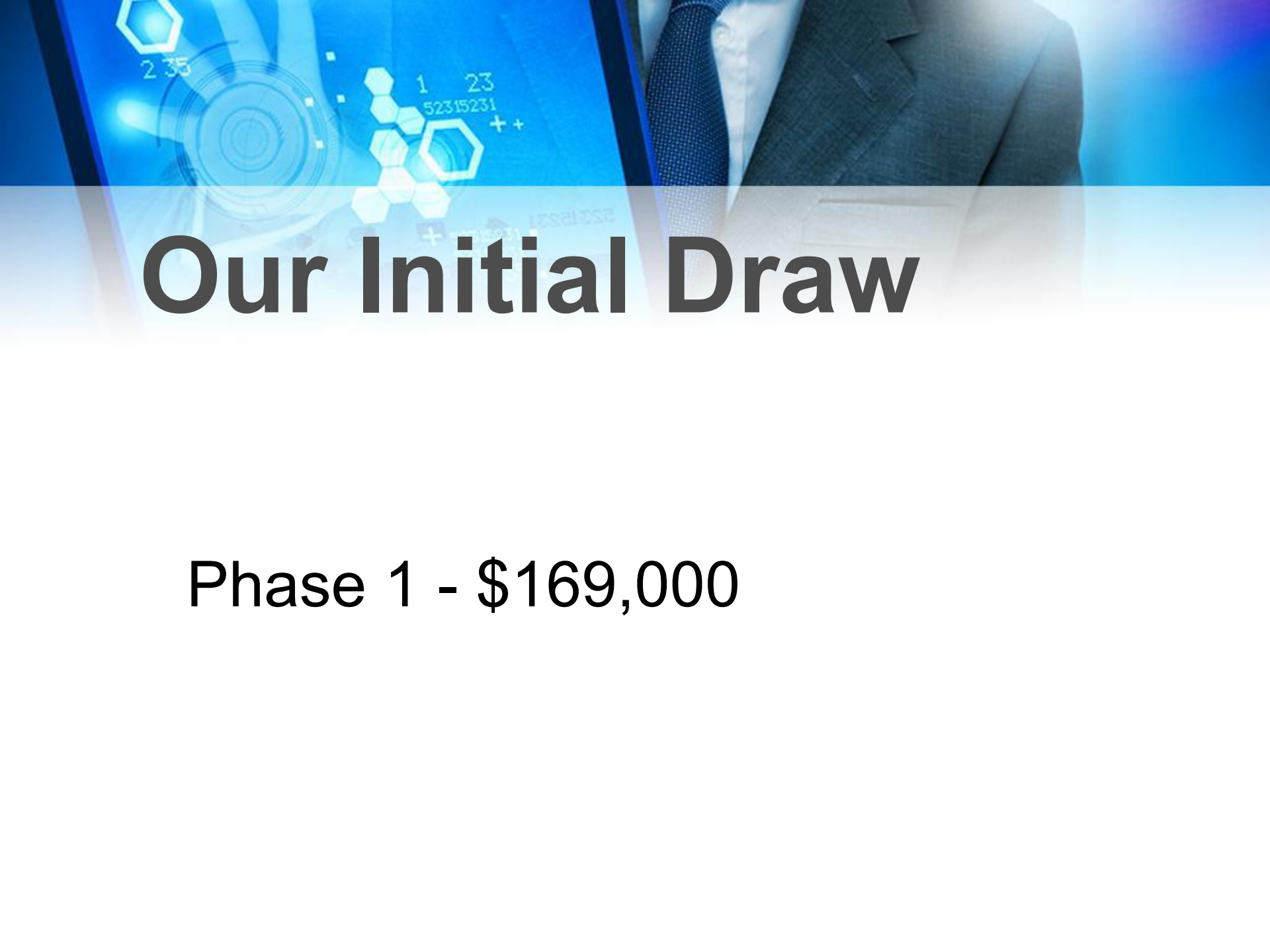
- Detailed review of specific budgeted items: Descriptions, Quantities, Prices and other budgetary questions
- Resubmitted after revisions with expenditures

Review Board

- Sent to SUNY for review of relevant professional development and collaboration with teacher preparation programs, and
- Sent to DOB for complete review

Approved

- Approved by the SSBA Review Board
- District can begin making expenditures consistent with their approved plan, except capital expenditures still requiring standard review by the SED Office of Facilities Planning



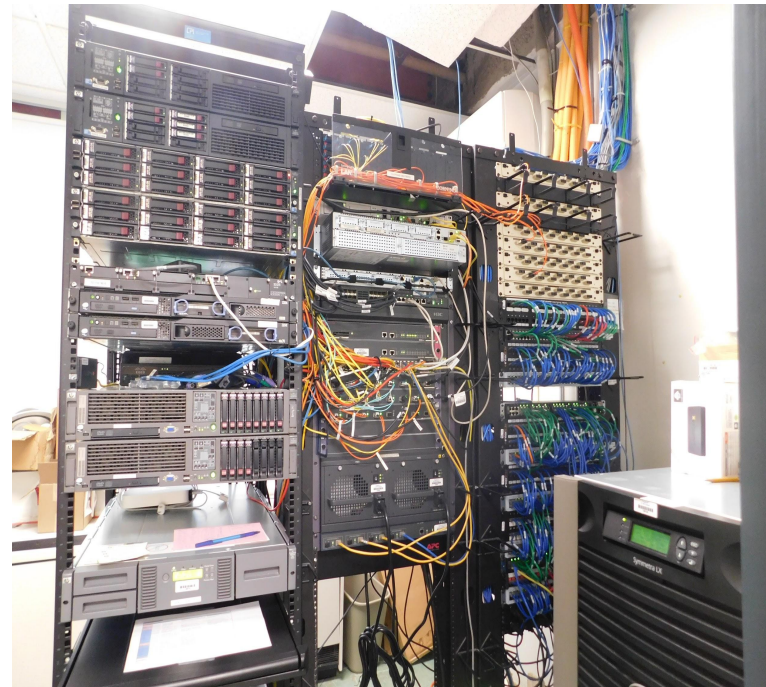
Our Initial Draw

Phase 1 - \$169,000

School Connectivity Infrastructure Upgrade

Components

- 1 Server
- 5 Switches (of 25)
- 96 Wireless Access Points





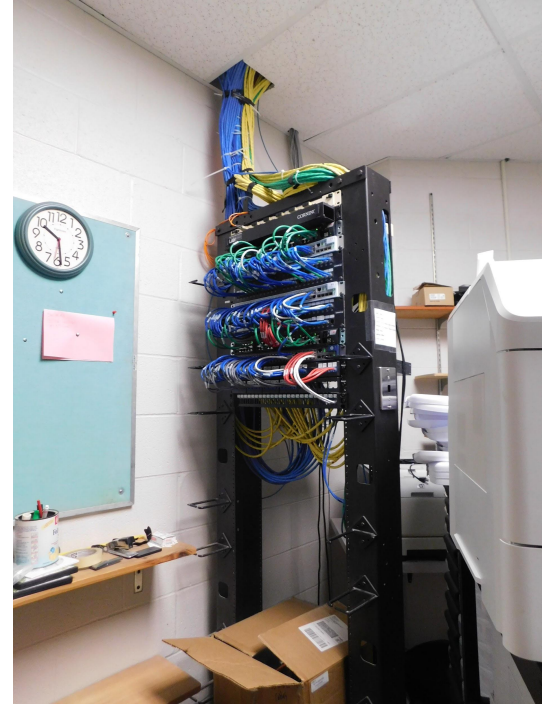
Server

1 HP CTO Server
1 FIO Kit
1 PC4-2133P-R Kit
1 HPE FlexFabric + Network
Adapter
2 Host bus adapter
4 Cisco SFP+transceiver module



Switches

5 HP Switches



Wireless

96 Wireless Access
Points





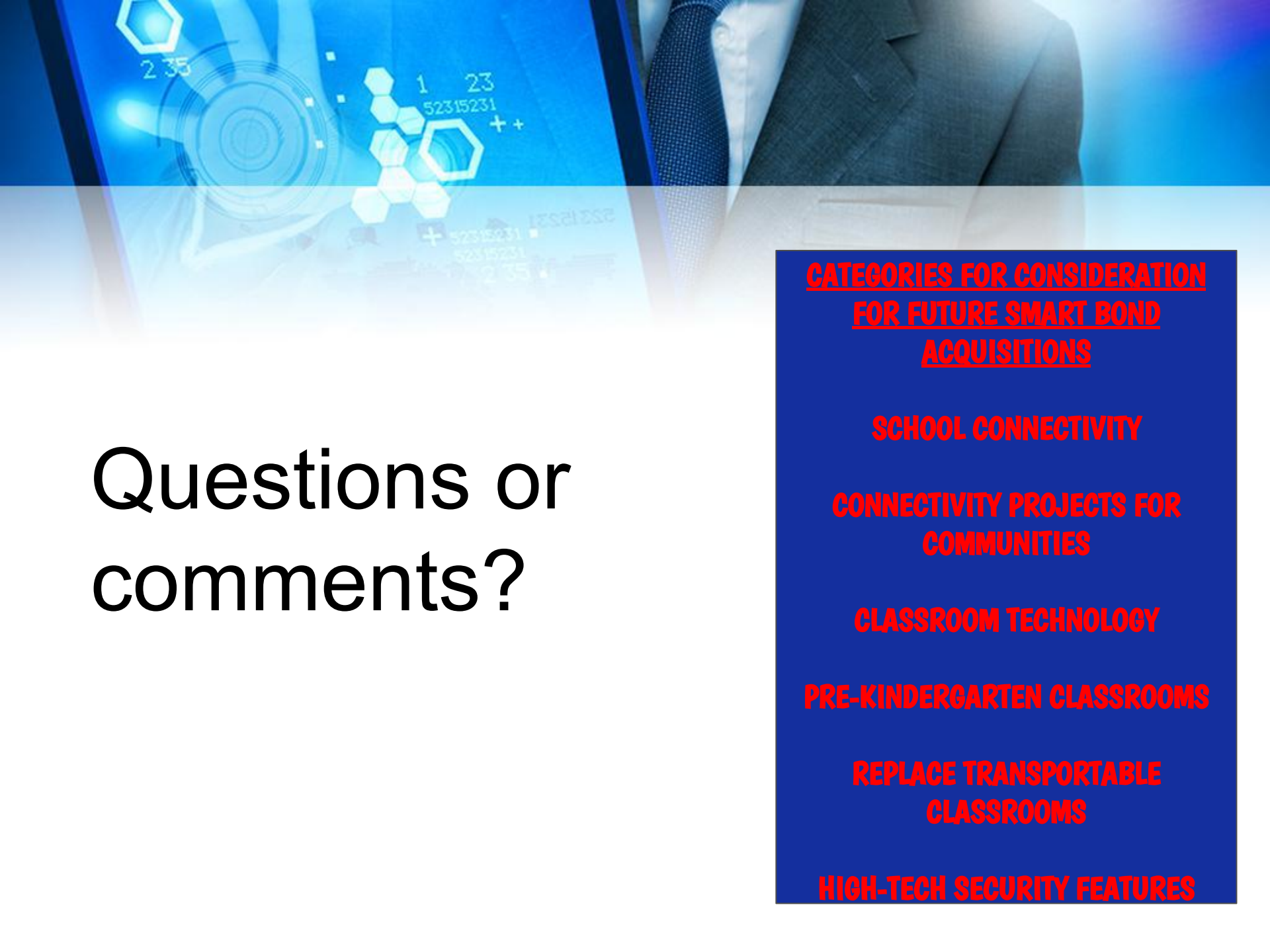
Phase 2

- 2 Servers - Control the SAN
- SAN - where all virtual servers and all data (financial and student and employee) sets and is held.
- Tape Library - tapes for backup
- Remaining switches (up to 20)

Phase 3

- Fiber - Entire District - bring up to current standards
- Core - Centralized connection for the entire network

ALL 3 PHASES ~ \$277,000 (May 2017 quote)



Questions or comments?

**CATEGORIES FOR CONSIDERATION
FOR FUTURE SMART BOND
ACQUISITIONS**

SCHOOL CONNECTIVITY

**CONNECTIVITY PROJECTS FOR
COMMUNITIES**

CLASSROOM TECHNOLOGY

PRE-KINDERGARTEN CLASSROOMS

**REPLACE TRANSPORTABLE
CLASSROOMS**

HIGH-TECH SECURITY FEATURES