



## **MATTITUCK-CUTCHOGUE U.F.S.D.**

**CENTRAL ADMINISTRATIVE OFFICES**

### **Smart Schools Investment Plan**

#### **Overview:**

The Smart Schools Bond Act was passed in the 2014-15 Enacted Budget and approved by the voters in a statewide referendum held during the 2014 General Election on Tuesday, November 4, 2014. The Smart Schools Bond Act (SSBA) authorized the issuance of \$2 billion of general obligation bonds to finance improved educational technology and infrastructure to improve learning and opportunity for students throughout the State. The SSBA requires that a Review Board review and approve districts' Smart Schools Investment Plans before any funds may be made available for the program.

All District plans approved by the school board and submitted to the New York State Education Department must meet the required elements including demonstrating students' needs, minimal speed requirements for internet connectivity, professional development, technical support, and sustainability. As part of the process, districts are required to submit a District Instructional Technology Plan survey in compliance with the Education Law and Commissioner's Regulation. The Instructional Technology Plan survey outlines the current and future plans of the district as it relates to infrastructure, devices, staffing, and professional development to improve teaching and learning. The Instructional Technology plan was approved by New York State Education Department in September 2015

The District wants to ensure all teachers and students have wireless access when they need it. The District closely monitors and manages network traffic. In order to meet usage demands with the appropriate level of wireless access, every classroom will have at least one WAP and larger instructional spaces will be outfitted with multiple WAPS.

#### **District Instructional Technology Plan**

The Smart Schools Bond investment will allow us to expand learning opportunities for all our students beyond the four walls of a school building. This funding is directly linked to and supports our District Instructional Technology Plan. Some of the major initiatives in our Technology Plan are:

- a) Upgrading of infrastructure/network to support High Speed Internet Access and district devices wireless and connected
- b) Upgrading/replacement of wiring infrastructure district-wide

- c) Upgrading/Addition of wireless access points to support mobile devices.
- d) Creation of Security/entrances
- e) UPS Battery Backup – NOC (Network Operation Center)

Mattituck Cutchogue Union Free School District has been allocated \$273,511.00  
At this time the district is seeking approval in the budget categories outlined below:

### **School Connectivity**

As stated in the Districts Technology Plan, our vision is to ensure that any use of technology is considered in the context of what is new and better for our students beyond simple efficiency. How does the use of technology support the mission of the district to engage our students and educators in collaboration, creativity and critical thinking? We ensure instruction in both digital citizenship and how to use technology for collaboration for learning among our students and our teachers. As our technology access and high speed and bandwidth improvement occurs, we plan to include more teachers for innovation and implementation. We have designed a plan for professional learning visits for teachers to lead other teachers as they see firsthand how colleagues across disciplines and grade levels are using technology for learning.

The Mattituck Cutchogue UFSD wants to ensure that it can support all its students, teachers and administrators with a robust, reliable and secure high-speed network infrastructure for wired and wireless access both within the District and out to the global internet. The District wants to use the Smart Schools Bond funds to continue the network build-out the District has been undertaking for the last five years and to enhance connectivity to the digital world of the internet.

The district just completed a FIBER WAN Project. As a result of this project, all three of our locations have been upgraded and are now connected with high-speed 10 GB switching fabric between district school buildings. Critical to expanding the network infrastructure will be adding the following key capabilities:

- 1) Upgrading of internal wiring plants in three district buildings. Wiring project will replace all cat 5 with cat 5e to support addition of security cameras, wireless access points; and additional drops for future VOIP phone system.
- 2) Providing both additional and upgraded wireless access points throughout the District to provide both ubiquitous wireless coverage in buildings and sufficient wireless bandwidth capacity per access point in classrooms to allow for large-scale use.
- 3) Replacing uninterruptible power supply (UPS) backup battery systems to protect sensitive network equipment from power surges and brown-outs, as well as to ensure network connectivity in the event of a power outage;

**Budget Breakdown:**

Wiring	\$146,123.29
Switches	\$ 65,000.00
Wireless Access Points	\$ 83,601.30
UPS Power Supply	\$ 8,983.00
Installation	
Subtotal	\$303,707.59

**Installation of High-Tech Security Features**

The District intends to utilize a portion of the SMART BONDS funds to upgrade our current building entrance security system. The proposed changes at the Elementary and High schools is to change the main entrance configuration with different doors, security window installation, and related keyless access controls. This also includes protective window films, video cameras, and computers and wiring to control the system. The equipment required for a high tech entrance system include equipment such as lockdown equipment, door access points, video cameras, and DVR's for both buildings.

**Budget Breakdown:**

Access control door locks	\$18,497.00
Main entrance vestibule door entry system	\$ 6,815.98
Video Surveillance new vestibule	\$ 1,824.00
Construction costs	\$71,760.00
Other Costs	
Subtotal	\$ 98,896.98

The Mattituck Cutchogue UFSD Preliminary Plan will be presented for BOE approval at the January 21, 2016 BOE Meeting.

The Preliminary Plan will be posted on the district website January 22, 2016 for 30 days.

The board will hold a public hearing on February 25, 2016 at 7:30 a.m. in the Mattituck Jr. Sr. HS auditorium to enable stakeholders to respond to the preliminary plan.

The final plan will be approved by the Board of Education.

Please submit any questions or comments with regard to the plan to the business office  
Attn: Michael Engelhard, Business Official via e-mail at [mengelhardt@mufsd.com](mailto:mengelhardt@mufsd.com) or mail  
385 Depot Lane, Cutchogue NY 11935 no later than February 24, 2016

- Approved by Board of Education February 25, 2016

