

Pearl River School District

Smart Schools Investment Plan - Update



Board of Education
March 27, 2018

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PLAN OVERVIEW:

The Pearl River School District was allocated an estimated \$876,023 as part of the Smart School Bond Act of 2014, which authorizes expenditures to improve educational technology and infrastructure to improve learning and opportunity for students. In order to meet our mission and vision for technology for instruction, a comprehensive [PRSD Technology Plan 2015-2018](#), was drafted and approved to utilize the funds. The available funding of \$876,023 will be utilized to provide upgrades to the internal network backbone and 10 Gigabit connectivity between and within each school building. Replacement of end of life networking switches in all buildings will enable the district to increase connectivity and provide access to high-speed Internet for rich content delivery in the classroom and improve instructional resources. Additionally a portion of the funding will enable the district to build a robust Wi-Fi infrastructure with enhanced mobile device management to provide students with greater access to rigorous and rich online educational content through a BYOD model and 1:1 district Google Chromebook initiative. This will ensure access to online content anytime and anywhere.

PRECONDITIONS:

As per NYSED Smart Schools Bond Guidance, a precondition to utilize the available funding is that the district has adequate internet access of at least 100 Mbps per 1,000 students to allow for the increased number of devices in the classrooms.

Currently the Pearl River School District has a contracted bandwidth connectivity of 300Mbps from our Internet Service Provider, Lower Hudson Regional Information Center. This level of connectivity has enabled the district to meet and exceed the minimum standard of 100Mbps per 1,000 students as set by FCC. The SSBA funding supports an investment in technology for the network infrastructure providing a robust wireless and wired network to meet the needs of instructional technology in the classroom and computer based testing as it becomes practice.

Pearl River
School District

| Number of Students | Multiply 100Kbps | Divide by 1000 to convert to Mbps | Current Speed in Mbps | Expected Speed to be attained within 12 Months | Expected Date |
|--------------------|------------------|-----------------------------------|-----------------------|--|---------------|
| 2434 | 243,400 | 243.4 | 300 | 300 | Already met |

PURCHASE PLAN:

SSBA CATEGORIES AND ALLOCATION

| CATEGORY | SUB-ALLOCATIONS |
|--|------------------------|
| School Connectivity | \$876,023 |
| Connectivity Projects for Communities | \$0 |
| Classroom Technology | \$0 |
| Pre-Kindergarten Classrooms | \$0 |
| Replace Transportable Classrooms | \$0 |
| High-Tech Security Features | \$0 |
| Totals: | \$876,023 |

**SCHOOL CONNECTIVITY
ALLOCATION OF FUNDS:**

| Category | Sub-Allocation |
|---|-----------------------|
| Network/Access Costs | \$667,680 |
| Outside Plant Costs | |
| School Internal Connections and Components | \$208,343 |
| Professional Services | |
| Testing | |
| Sub-Total | \$876,023 |

PLAN GOALS:

This plan is in direct alignment with our NYSED approved Technology Plan 2015-2018 Vision and Goals for Technology for Instruction.

The available funding of \$876,023 will be utilized to provide upgrades to the internal network backbone and 10 Gigabit connectivity between and within each school building. Replacement of end of life networking switches in all buildings will enable the district to increase connectivity and provide access to high-speed Internet for rich content delivery in the classroom and improve instructional resources. Additionally a portion of the funding will enable the district to build a robust Wi-Fi infrastructure with enhanced mobile device management to provide students with greater access to rigorous and rich online educational content through a BYOD model and 1:1 district Google Chromebook initiative. This will ensure access to online content anytime and anywhere.

PROFESSIONAL DEVELOPMENT:

Professional development is coordinated through the offices of the Deputy Superintendent for Curriculum & Instruction and Human Resources and Community Services and is planned in collaboration with the district professional development committee. Professional development is planned annually to meet the needs of faculty and staff in response to emerging technologies and/or needs assessment.

Professional learning includes embedded modeling, in-service workshops, local Model Schools (BOCES) offerings, area workshops, and online PD resources. The district supports both outside consultant expertise and in-house expertise to meet the needs of faculty, administrators, and staff.

SUSTAINABILITY:

The District will integrate the Smart Schools Bond purchases into the existing district equipment replacement cycle. Each year the district allocates funds for the normal repair cost of a percentage of the total learning devices in the district. The Pearl River SD has a technology refresh plan in which the District budgets funds for device replacements. The District is committed to upgrading the infrastructure to support current and new devices. In each of the next four years, funds will be budgeted for the normal repair costs of a percentage of the total devices. After four years the devices will be replaced and/or reallocated in order to ensure the equipment stays current and new technology is supported.

In addition, the Pearl River School District is taking advantage of financing opportunities via IPAs (leasing contracts with NYSED approval) to obtain leased devices for the District in a cost effective manner. This financing strategy allows the District to extend and sustain the initial investment in devices using The Smart Schools Bond Act funding.

TIMELINE:

Once the SS Investment Plan is approved by the NYS Education Department, equipment will be purchased in accordance with the District's purchasing policy. Once the equipment arrives the technology staff will manage the deployment of it as per the plan. The district will include this new equipment in its existing inventory and monitor it to ensure equipment is securely maintained in its designated locations.