

District Technology Committee Meeting

Smart Investment Planning Session I
November 23, 2015

Agenda

- Overview of the Smart Bond Act
- Review of the Smart Investment Plan Requirements
- Review of District Technology Plan Goals
- Review of Funding Sources
- Investment Philosophy and Priorities
- Identification of Needs
- Prioritization of Needs

Smart Schools Bond Act of 2014

The SMART SCHOOLS BOND ACT OF 2014 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 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.

Smart Schools Bond Act

The purpose of the Smart Schools Bond Act is to improve learning and opportunity for public and nonpublic school students by funding capital projects to:

1. Install high-speed broadband or wireless internet connectivity for schools and communities;
2. Acquire learning technology equipment or facilities, including but not limited to interactive whiteboards, computer servers, and desktop, laptop, and tablet computers;
3. Construct, enhance, and modernize educational facilities to accommodate pre-kindergarten programs and to provide instructional space to replace classroom trailers; and/or
4. 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.

Bath CSD allocation = \$1,826,167

Planning Requirements

- District developed and the Board approved a Preliminary Smart Schools Investment Plan (SSIP).
- A Preliminary Plan has been posted on the district website for at least 30 days. The district must include an address to which any written comments on the Plan should be sent.
- Board has conducted a public hearing that will enable stakeholders to respond to the Preliminary Plan. This hearing may occur as part of a normal Board meeting, but adequate notice of the event must be provided through local media and the district website for at least two weeks prior to the meeting.
- District has prepared a final plan for Board approval.
- Final plan has been posted on district website.
- District will submit Smart Schools Investment Plans through the Business Portal for review.
- Plans may be amended after the initial approval has been approved. Any amendment of an approved Plan that would result in a change of more than 25 percent of approved budget expenditures will require the district superintendent to post the proposed amendments on the district website for two weeks and receive comments from the public in writing or at a normally convened meeting of the Board.

District Technology Committee

- Joe Rumsey, Superintendent
- Christopher Smith, Director of Technology
- Randy Brzezinski, Director of Educational Services
- Joe Brown, 2nd Grade Teacher
- Rosalie McCartney, 3rd Grade Teacher
- Kathy Partridge, 4th Grade Teacher, Elem Building Technology Mentor
- Nikki Cole, Elem Music Teacher
- Derek Ortiz, MS SE Teacher, MS Building Technology Mentor
- Ryan Love, HS English Teacher
- Ryan Finney, Network Administrator
- Chad Krelie, Community Member
- Steven Binkowski, Class of 2016 Representative
- Dana Barry, Class of 2016 Representative
- Maia Schlechter, Class of 2017 Representative
- Liam Narby, Class of 2018 Representative
- Jack Wheeler, County Manager
- Jen Yartym, Board Member

SSIP Critical Elements

The Smart Schools Review Board will review each district plan for alignment with the goals in this guidance document and ensure the plan contains all critical elements necessary for the long-term success of this program. Critical elements of a successful plan include:

- **Demonstration of need** - Smart Schools Investment Plans must demonstrate that the district has taken a strategic approach to understanding and meeting the needs of its students.
- **Adequate Technology Infrastructure** - Smart Schools Investment Plans must demonstrate that sufficient infrastructure that meets the Federal Communications Commission's 100 Mbps per 1,000 students standard currently exists in the buildings where instructional devices will be deployed.
- **Professional Development** - The district must describe a plan to provide professional development to ensure administrators, teachers and staff can employ the technology purchased with funds from the Smart Schools Bond Act to enhance instruction successfully. Districts will demonstrate that they have contacted the SUNY teacher preparation program that supplies the largest number of their new teachers to request advice on this issue.
- **Technology Support** - The district should provide sufficient on-going tech support to ensure that the technology (hardware and/or educational technology-related infrastructure) purchased with funds from the Smart Schools Bond Act will be distributed, prepared for use, maintained and supported appropriately.
- **Sustainability** - As part of their Smart Schools Investment Plans, districts are required to demonstrate a long-term plan to physically maintain the investments made under the Smart Schools Bond Act in a useful condition.

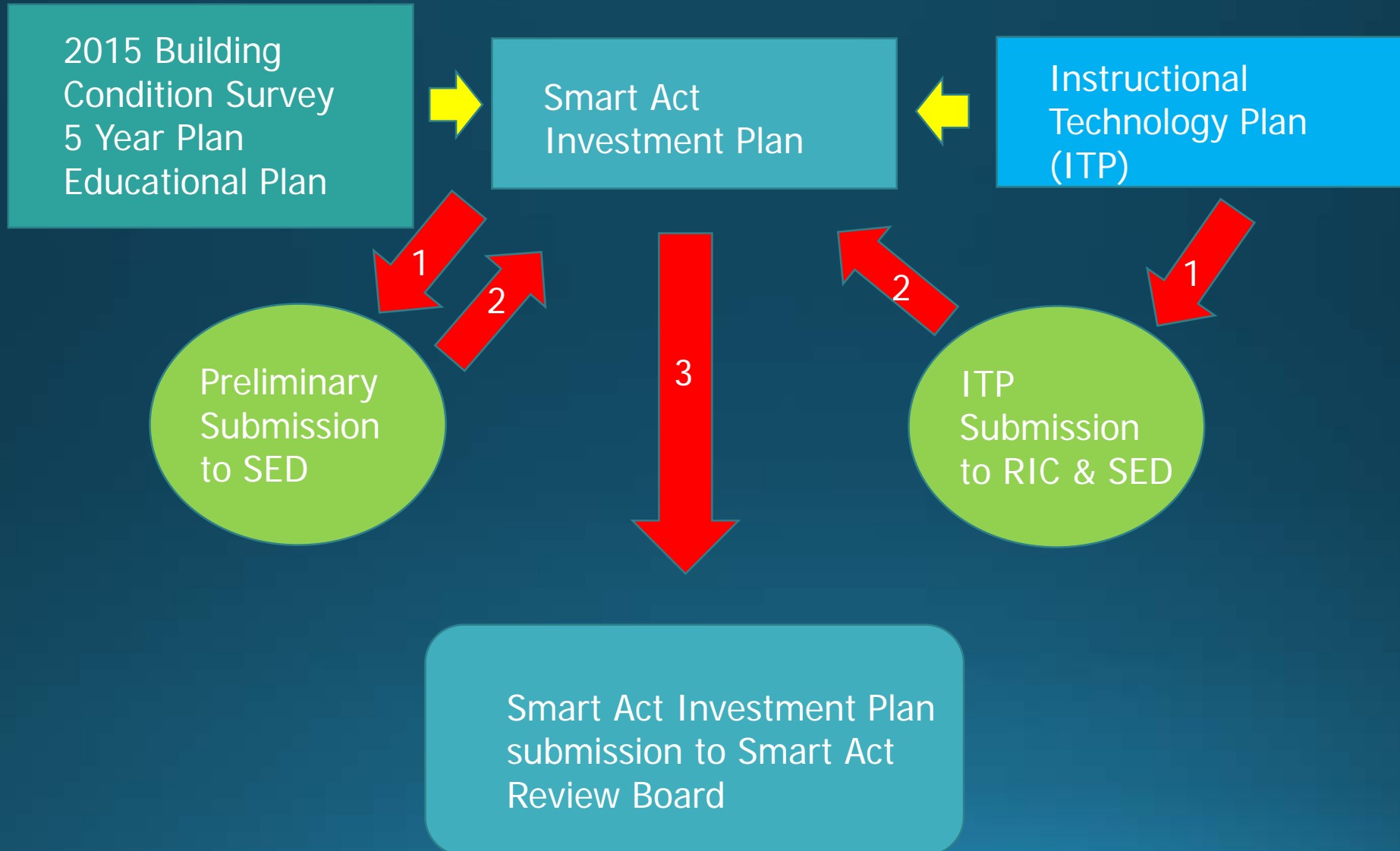
Planning Recommendations

All districts will be required to submit a **Smart Schools Improvement Plan** to demonstrate how Smart Schools Bond Act funds will be used to provide the educational tools and opportunities students throughout New York State will need to succeed in the 21st century economy. Effective plans should:

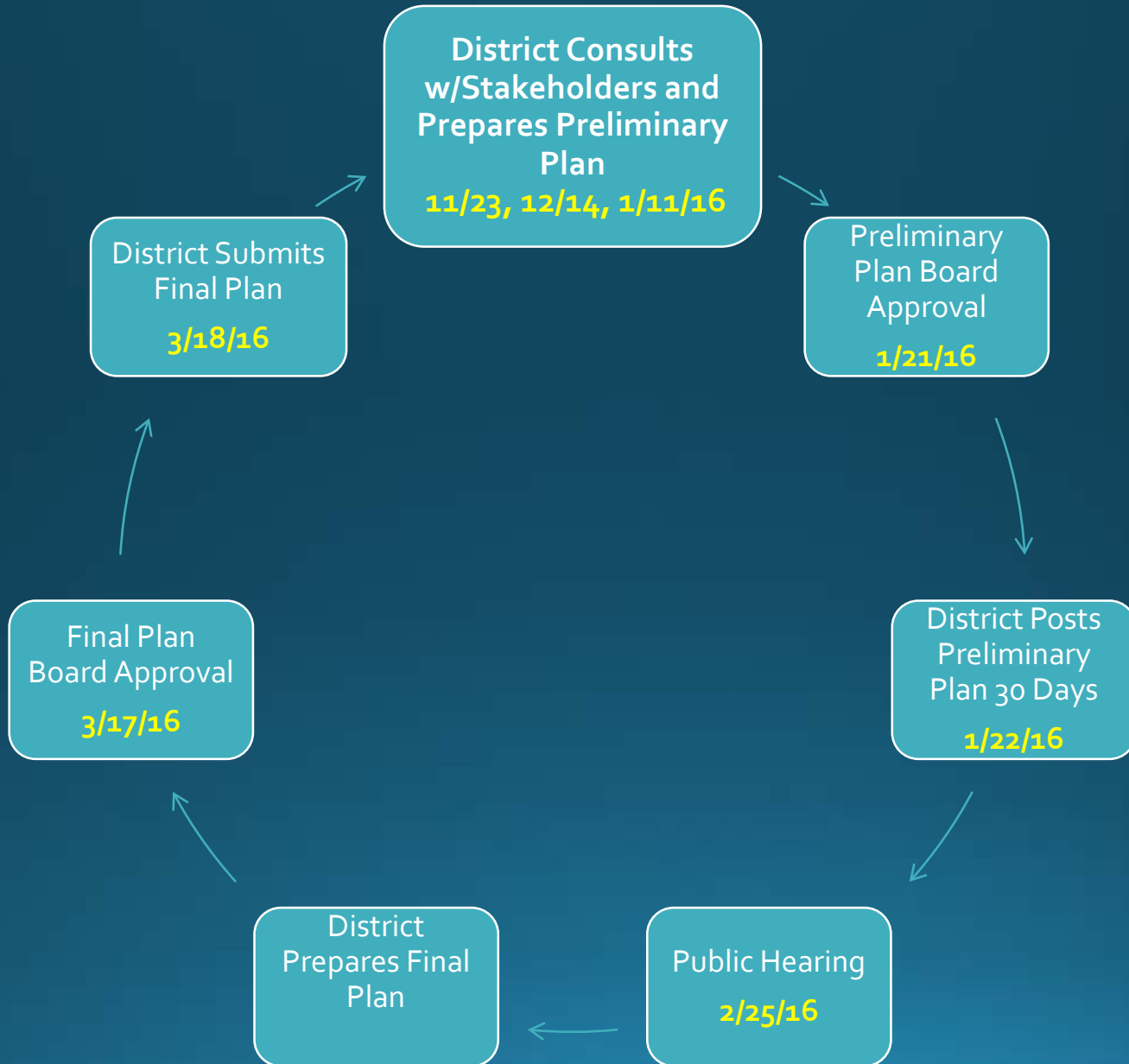
- Include linkages between the district's long-term educational planning and technology investments;
- Provide learning opportunities beyond the classroom through the use of technology; and
- Address the educational needs of all students, including students with disabilities, English language learners and those who have not succeeded in traditional classroom settings.

Smart Schools Bond Act

Planning and Approval Stage



Smart Schools Investment Plan Process

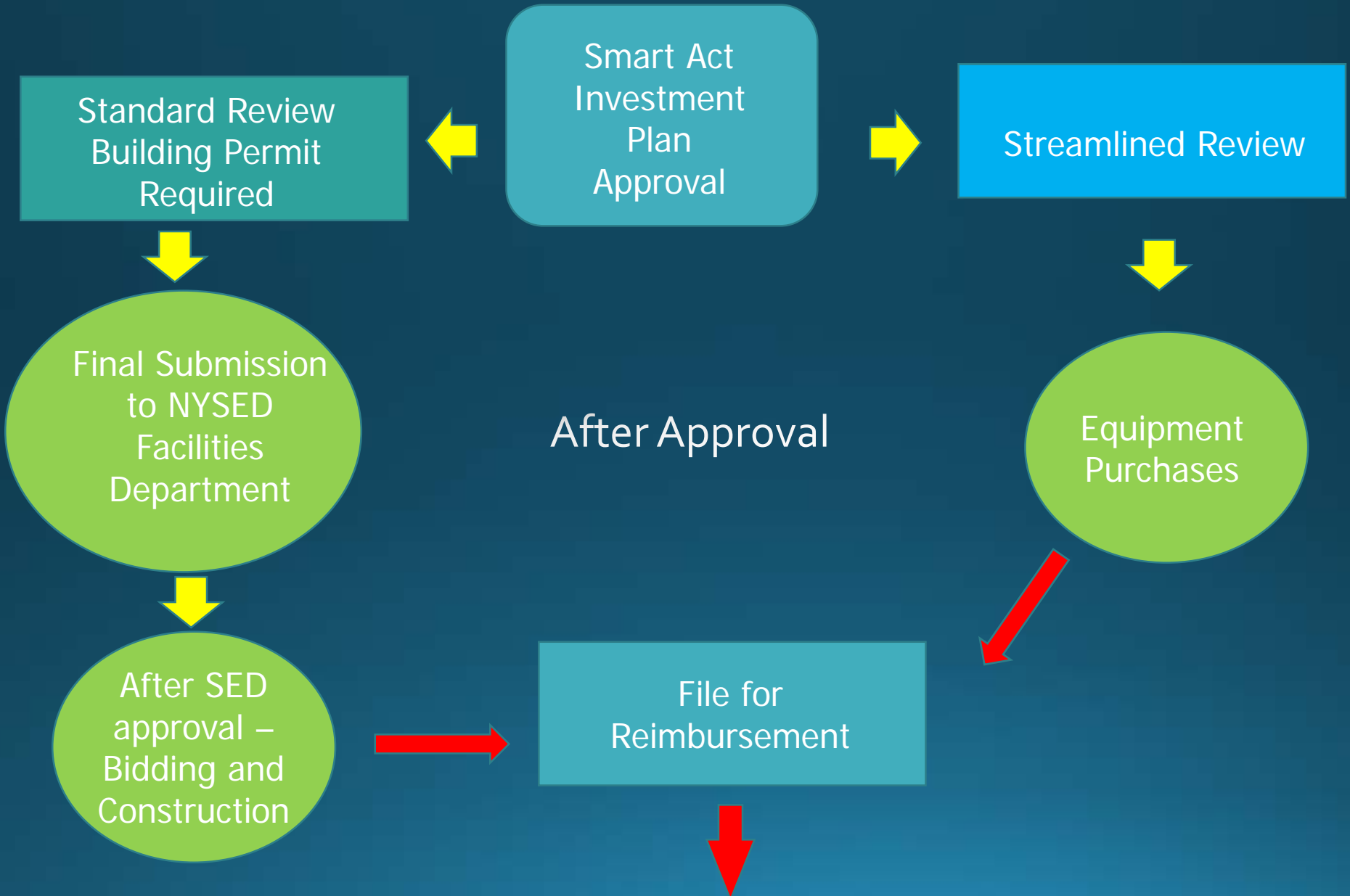


Review Process

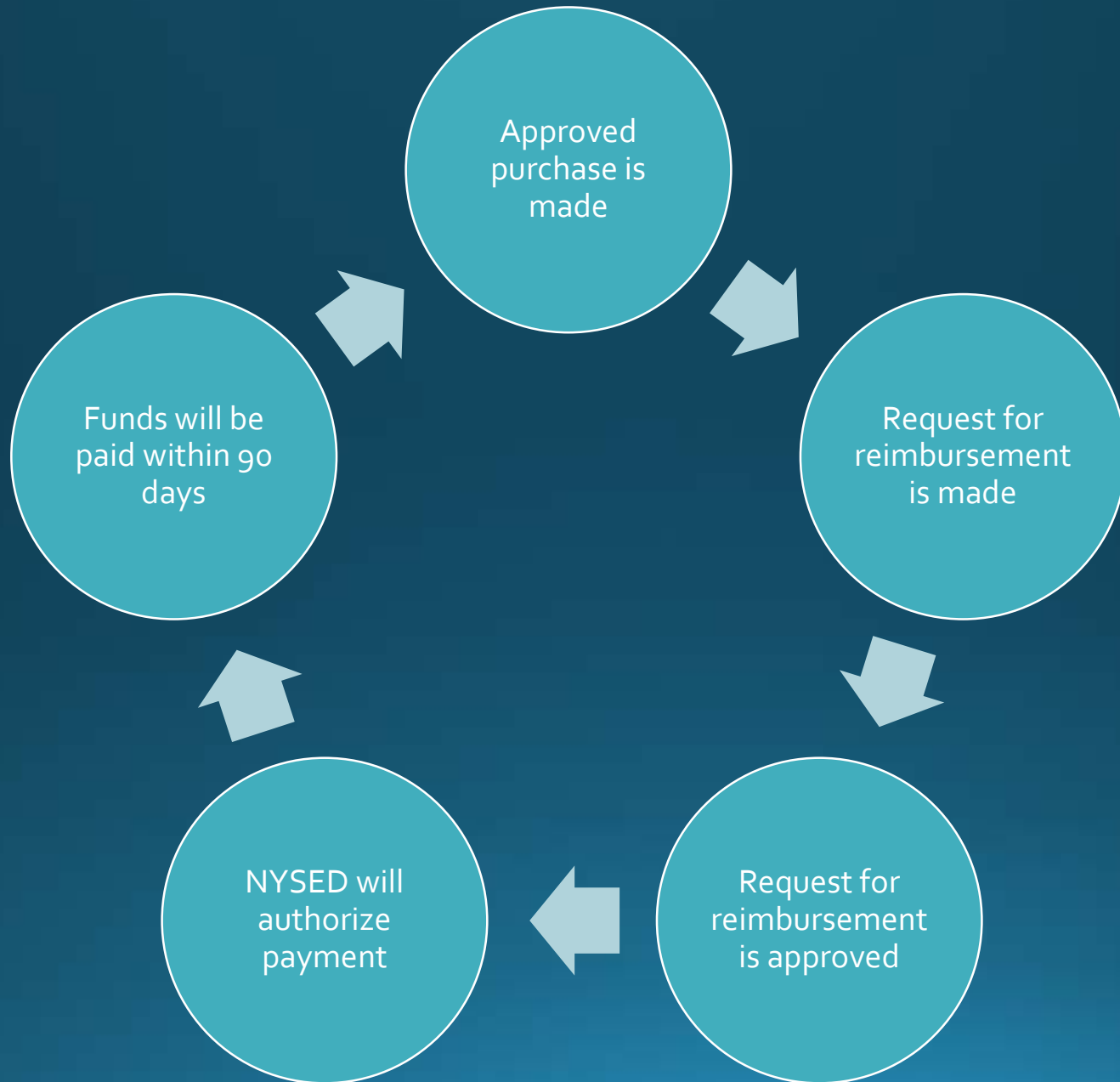
There are two types of review processes. Both types must undergo the Preliminary Review Process with the Office of Facilities Planning. The Office of Facilities Planning will determine whether a project is appropriate for streamlined review.

- **Standard Review Process:** Capital-intensive infrastructure projects (such as those that **require the installation of wiring or other construction projects** to support the investments) will require approval by the Office of Facilities Planning.
- **Streamlined Review Process:** Districts that choose to spend Smart Schools Bond Act funds on certain limited costs of installing connectivity devices that **do not require construction or the installation of new wiring will not require formal capital project review and approval through the Office of Facilities Planning.** However, districts that choose this method will be required to certify that they have reviewed all installations with their **licensed architect or engineer of record**, and provide that person's name and license number. The licensed professional must review the products and proposed method of installation prior to implementation and review the work during and after completion in order **to affirm that the work was code-compliant, if requested.** Once the Smart Schools Investment Plan is approved, the district can submit the remaining necessary materials to receive a building permit and begin the work.

Smart Schools Bond Act



Reimbursement



District Technology Plan

<u>Goals</u>	<u>Focus Area</u>
DG-1. Students will use technology to enhance their learning, improve their knowledge and understanding across all areas of study, and develop essential technology skills which they will carry with them and build upon throughout their life.	Curriculum Integration
DG-2. Bath Central School District will provide all staff with access to a comprehensive professional development program that will support their use of technology as a tool to enhance the learning environment.	Professional Development
DG-3. Bath Central School District shall provide equitable access to flexible, functional, and up-to-date technology for all students and staff.	Hardware/Infrastructure
DG-4. Bath Central School District will provide access to appropriate digital resources and software for the individual subjects, grade levels, buildings, and departments using specific criteria to ensure that the resources are current, compatible, cost-efficient, and effective.	Digital Resources
DG-5. Bath Central School District will provide appropriate resources to support the District's technology environment.	Technology Support
DG-6. Bath Central School District will use technology to improve administrative functions, such as data management, communication and assessment.	Communication and Collaboration
DG-7. Bath Central School District will utilize and support appropriate technological systems to ensure the safety of the school community.	School Safety
DG-8. Bath Central School District will continuously assess and evaluate the impact of the implementation, integration, and support of technology throughout the district.	Assessment and Evaluation

Potential Funding Sources

- Smart Bond Act – \$1,826,167
 - Connectivity, classroom technology, PK classrooms, and security
- E-rate - \$1,200,000 (formula = \$150 per student/yr. through June 2020)
 - Infrastructure and connectivity
 - 70% discount rate
- Building Project – TBD
 - Driven by Building Condition Survey (BCS)
 - 90% reimbursement rate
- General Fund - \$769,245/year
 - State Hardware
 - State Software
 - Erie 1 & GST BOCES Services (80% BOCES Aid Ratio)
 - IPAs for student and staff workstations
 - WAN/LAN Maintenance services
 - Out-of-warranty repair service (coupons)
 - Internet service (1 GB)
 - PRI (Phone)

Investment Priorities and Philosophy

- The BOE has historically and currently operates on using one-time funds sparingly, and if so, the dollars will be directed to long-term investment.
- While the actual Smart School Bond legislation allows for the use of the funds on what the District would consider to be more consumable type expenditures (e.g. tablets that last 3 years), the intent is to use these funds to support the current Bath CSD Technology Plan and future plans.
- Specifically, the District has provided a Personal Learning Device (e.g. notebook computer) to each child in grades 2-12. These resources are supported by the ongoing revenue in the general budget as a part of instructional and management services through Erie 1 BOCES and the devices are planned to be refreshed every three years.
- The District has increased the bandwidth for all schools with plans to continue to increase the bandwidth in network upgrades over the next 5 years through E-rate and Capital Projects.
- While the District has plans to replace elements of the hardware network infrastructure over the next 5 years, some elements may fit more appropriately in the Smart Investment plan based on other constraints or timing.
- It is the position of the BOE that the Smart Schools Bond funds, which were basically provided by all NYS Tax payers, are to be expended with the utmost fiduciary responsibility. The funds should be used to provide updated technology and infrastructure with a life span of 7+ years to support our continued commitment to our students and community.

Identification of Needs

- **Classroom Learning Technology**
 - Classroom Display Technology
 - Classroom Sound Technology
 - Smart Tables (Grades K-1 and SE Classrooms)
 - 3D Printer (HS Technology)
 - Plotter/Poster Printer (HS Technology)
 - IP Video Distribution System
- **Connectivity/Infrastructure**
 - Fiber Channel Switch
 - Firewall
 - SAN
 - Blade Center
 - UPS

Prioritization of Needs

- Initial cost
- Life expectancy of the solution/component
- Number of students impacted
- On going costs
- Alignment with DTP
- Support requirements
- Instructional impact
- Security/safety impact
- Urgency
- Available funding options

Next Steps

- Ensure that you are able to access the DTC OneNote Notebook > Smart Investment Plan
 - Please check the box next to your name on the committee members page to show that you have access to this resource
- Determination of Needs
 - Committee members meet and converse with peers
 - Discuss the Smart Bond Act and the opportunity which exists to further enhance our learning environment.
 - Identify technology-related “needs” which exist within our district and community?
 - What concerns exist related to the Smart Investment Plan and/or process
 - Committee members report identified needs and issues/concerns
 - Information is posted in the DTC OneNote file or emailed to csmith@bathcsd.org.
- Next Meeting - December 14, 2015 4-6 p.m.

Questions

