



# **21ST CENTURY SCHOOLS BOND ADVISORY COMMITTEE**

**SEPTEMBER 20, 2016 MEETING**



# PROJECT UPDATE YEARS 1 - 4 AND ACCELERATED SCOPE



# GOB PROJECT UPDATE

## Year 1

**(68 Projects, including 1 advanced)**

**66** Substantially completed, including 6-12  
Grade Addition at MAST on Virginia Key  
and Miami Norland Senior High School

**2** In construction



# GOB PROJECT UPDATE

## Year 2 (79 Projects)

54

Under \$1M (SBE/MBE):

- 32 substantially completed
- 19 in construction
- 1 in bidding
- 2 in design

9

With values between \$1M and \$2M:

- 7 substantially completed
- 2 in construction

16

Over \$2M:

- 1 substantially completed
- 13 in construction
- 2 in bidding or design

# GOB PROJECT UPDATE

## Year 3 (54 Projects)

- 17** Under \$2M (includes MBE and SBE projects):
- 16 in construction
  - 1 in bidding/design

- 37** Over \$2M:
- 8 in construction
  - 4 in bidding
  - 17 in design
  - Balance in A/E and CM selection stage

# GOB PROJECT UPDATE

## Year 4

### (50 Projects and Accelerated Scope)

- 11** With values between \$1M and \$2M:
- All have been assigned to teams of architects and contractors

Over \$2M:

- 39**
- To be advertised in bundled solicitations per delivery protocol previously presented to the Committee and beginning in Spring 2016 once the commissioning process for the remaining Year 3 large projects has concluded

- 222** Smaller accelerated projects (playgrounds, portable removal, roofing, air conditioning)
- 165 completed
  - 21 in construction
  - Balance in design or bidding





# GOB PROJECT DELIVERY UPDATE

PROJECT	TYPE OF PROJECT (1-NEW; 2-RENOVATIONS; 3-RENOVATIONS/PARTIAL REPLACEMENT)	CLEAR SITE (1-Y; 2-N)	PHASING REQUIRED (1-N; 2-Y)	UNKNOWN CONDITIONS (1-N; 2-Y)	COMPETITIVE MARKET (1-Y; 2-N)	PROTOTYPE USED (1-Y; 2-N)	SCORE	CONSTRUCTION DELIVERY METHOD
Bay Harbor K-8 Addition	1	1	1	1.5	1.5	2	8.0	HARD BID
Ben Sheppard ES Addition	1	1	1	1	1.5	2	7.5	HARD BID
Air Base K-8 Addition	1	1	1	1	1.5	2	7.5	HARD BID
Ethel K. Beckham ES Addition	1	1	1	1	1.5	2	7.5	HARD BID
State School M1 (reuse) – S.W. 167 Ave/95 St	1	1	1	1	1.5	1	6.5	HARD BID

## NOTES:

1. MAXIMUM SCORE IS 13; MINIMUM SCORE IS 6
2. A HIGHER SCORE REVEALS GREATER COMPLEXITY AND IS MORE SUITABLE FOR A CM AT-RISK DELIVERY METHOD; A LOW SCORE REVEALS A LESS COMPLEX PROJECT MORE SUITABLE FOR HARD BID

## SCORE:

≤ 9 HARD BID; 10 or > CM at Risk

Note: The four projects highlighted above were previously presented to the Committee at the March 3, 2015 meeting and recommended to be delivered as CMR. Since then, scope and schedule have been refined and reevaluated for possible delivery method cost efficiencies, and are now recommended as Hard Bid projects. The other project, a prototype reuse, is recommended for Hard Bid, the same delivery method used for the prototype itself and a subsequent reuse project in the Doral area, currently in construction.

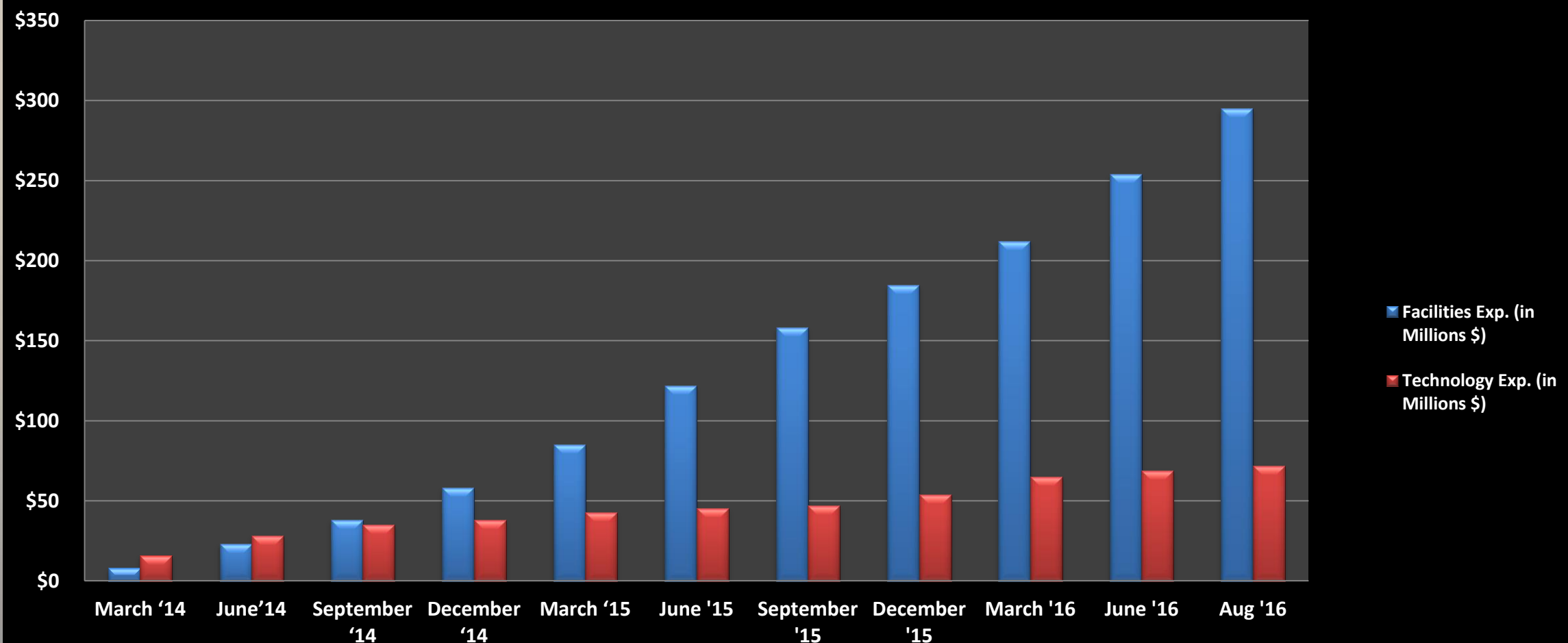
**RECOMMENDED ACTION: THAT THE COMMITTEE ACKNOWLEDGE AND ENDORSE THE PROPOSED PROJECT DELIVERY METHOD IDENTIFIED ABOVE.**



# GOB PROJECT EXPENDITURES

Transaction Category	March '14	June '14	Sept. '14	Dec. '14	March '15	June '15	Sept. '15	Dec. '15	March '16	Jun '16	Aug '16
Facilities Exp. (Millions )	\$8	\$23	\$38	\$58	\$85	\$122	\$158	\$185	\$212	\$254	\$295
Technology Exp. (Millions)	\$16	\$28	\$35	\$38	\$43	\$45	\$47	\$54	\$65	\$69	72

Expenditures thru 8/31/16

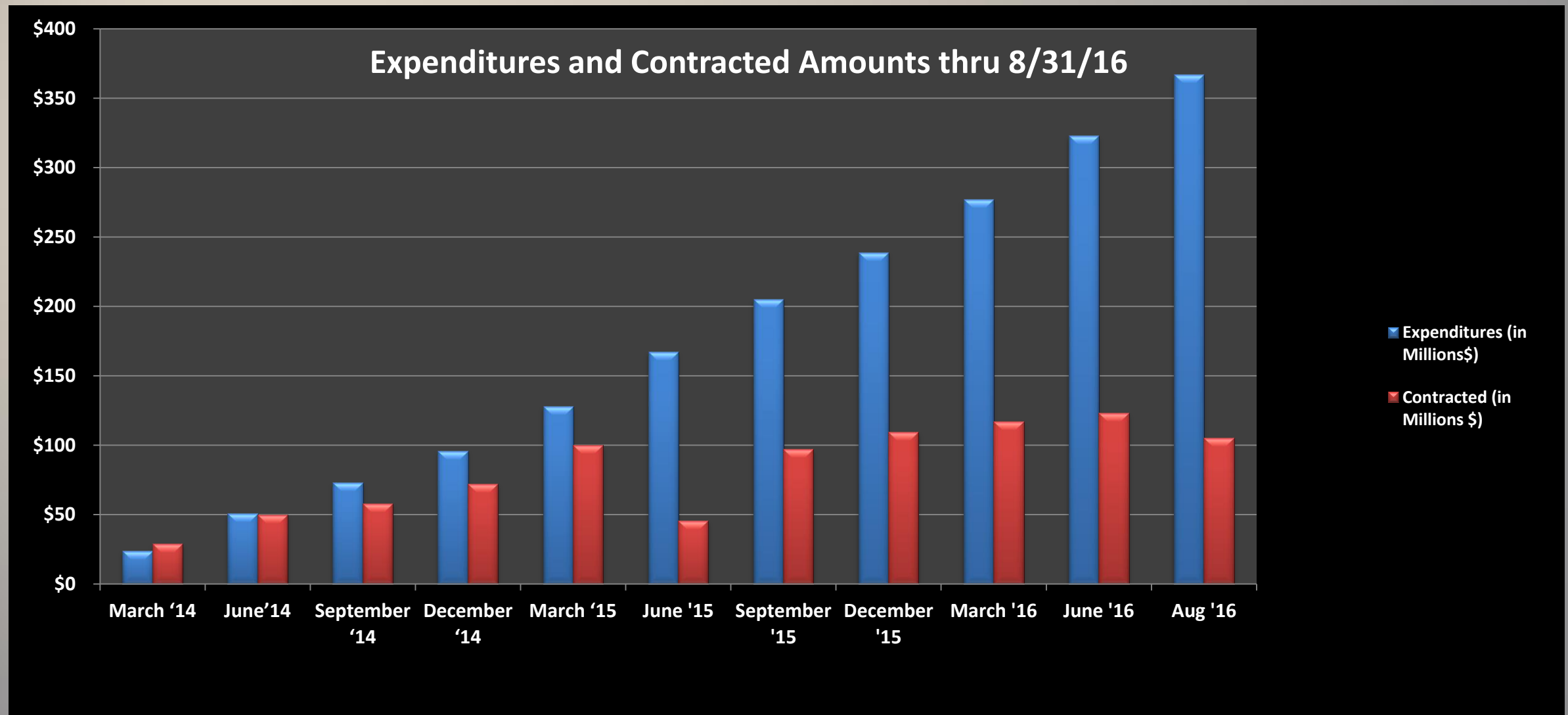






# GOB EXPENDITURES AND CONTRACTED

Transaction Category	March '14	June '14	Sept. '14	Dec. '14	March '15	June '15	Sept. '15	Dec. '15	March '16	June '16	Aug. '16
Expenditures (Millions )	\$24	\$51	\$73	\$96	\$128	\$167	\$205	\$239	\$277	\$323	\$367
Contracted (Millions )	\$29	\$50	\$58	\$72	\$100	\$46	\$97	\$110	\$117	\$123	\$105





# **SCHOOL ADOPTION PROGRAM**

## **(29 SCHOOLS VISITED AS OF 6/29/16)**

- **SHENANDOAH ES - Rev. Guillermo Revuelta (5/19/15)**
- **KENWOOD K-8 - Mr. Roberto Martinez (5/20/15)**
- **PHYLLIS RUTH MILLER ES – Mr. Anthony Dawsey (5/20/15)**
- **BUNCHE PARK ES – Mr. Cecil T. Daniels (5/21/15)**
- **SHENANDOAH MS – Mr. Joseph Gebara (5/22/15)**
- **OJUS ES – Dr. Jaap Donath (5/27/15)**
- **PALMETTO ES - Ms. Cindy Lerner (6/2/15)**
- **HIALEAH-MIAMI LAKES SHS - Carol Graham Wyllie (6/11/15)**
- **HUBERT O. SIBLEY K-8 - Dr. Sean Foreman (6/16/15)**
- **RUTH K. BROAD / BAY HARBOR K-8- Mr. Alan Rubin (6/25/15)**
- **CUTLER BAY ACADEMY- Mr. Paul Wallace (6/30/15)**
- **EDISON - Mr. Anthony Dawsey (11/13/15)**
- **HIALEAH SHS – Sen. Rene Garcia (11/23/15)**
- **EDISON PARK K-8- Mr. Anthony Dawsey (11/13/15)**
- **iTech @ EDISON MS- Mr. Anthony Dawsey (11/13/15)**
- **CHARLES DREW K-8- Mr. Anthony Dawsey (11/17/15)**
- **NATURAL BRIDGE ES- Ms. Julie Williamson (11/17/15)**
- **FULFORD ES- Ms. Marlen Martell (2/12/16)**
- **OLYMPIA HEIGHTS ES- Mr. Frank Silva (2/17/16)**
- **MIAMI NORLAND SHS- Mr. Cecil Daniels (2/17/16)**
- **AMERICAN SHS- MS. Carol Graham Wyllie (2/25/16)**
- **COCONUT GROVE ES- Mr. Jack Lowell (2/26/16)**
- **PONCE DE LEON MS- Mr. Joseph Gebara (3/16/16)**
- **RIVERSIDE ES- Mr. Joseph Gebara (3/16/16)**
- **Dr. EDWARD L. WHIGHAM- Mr. Paul Wallace (5/3/16)**
- **KENSINGTON ES - Rev. Guillermo Revuelta (6/3/16)**
- **MORNINGSIDE ES. – Gepsie Mettellus (6/16/16)**
- **D.A. DORSEY EDU. CTR. – T. Willard Fair (6/29/16)**
- **LIBERTY CITY ES – T. Willard Fair (6/29/16)**





# APPROVAL OF THIRD ANNUAL REPORT



## 21st Century Schools Bond Advisory Committee

### Third Annual Report - DRAFT



2016

21st Century Schools Bond Advisory Committee

2016

#### Executive Summary – The Year in Retrospect

March 31, 2016 marks the end of the third annual reporting period in the GO Bond program's implementation, following overwhelming approval by the voters of the Bond referendum in November of 2012. This third year has distinguished itself for its steady and fast paced project delivery, with many projects completed in the course of the year, as well as by the successful expansion of the Small and Micro Business Enterprise programs in all areas of project design and construction and the ever growing inclusiveness and diversity of project teams. Through the end of this reporting period, the District had almost 400 renovation or replacement projects on deck at different stages ranging from completed to planning.

Students throughout Miami-Dade County continue to be positively impacted by these efforts, the sole focus of which is to transform classrooms into learning-appropriate 21<sup>st</sup> Century instructional spaces. Likewise, exterior improvements, such as new playgrounds, parent drop-off areas and other site upgrades have added value to the overall school experience and are already in use at numerous schools throughout the District.

#### Year 1 Projects:

- ✓ Out of 68 projects:
  - ✚ 63 were substantially completed, including the new grade 6-12 addition @ M.A.S.T. on Virginia Key, which opened its doors in August of 2015; and
  - ✚ 5 were in construction, including the major replacement of Miami Norland Senior High on track to open in 2016.

#### Accelerated Projects (includes scope from projects in Year 1 through Year 5):

- ✓ Out of 197 projects district-wide:
  - ✚ 138 were substantially completed;
  - ✚ 22 were in construction;
  - ✚ The balance was in design or bidding.

[bondsforschools.dadeschools.net](http://bondsforschools.dadeschools.net)

Page 9



## REPORT CONTENT

- The Third Annual Report is meant to provide a high level summary of the main activities undertaken by the District in its continued implementation of the GO Bond program through March 31, 2016. The Report includes the following:
  - Committee governance and membership
  - Executive Summary describing:
    - Project related activities, including number of projects in play and status
    - SMBE related activities, including number of SMBE firms working on the program, outreach efforts and changes to Board policy and District processes aimed at promoting and increasing SMBE participation both at the prime and sub-consulting levels
    - Financial activity, in terms of expenditures and encumbrances

## REPORT CONTENT

- A GO Bond program update section containing more detailed information on program adjustments, project activity and lessons learned
- A listing of projects by location, with budget, expenditures, scope and status information
- A summary of the outreach, mentoring and networking efforts undertaken by the Office of Economic Opportunity
- Bond financing information related to the reporting period, including strategy used to achieve cost efficiencies and the best outcome for the taxpayers



## REPORT REVIEW AND INPUT PROCESS

- District provided copy of Third Annual Report Draft to Committee members on August 26, 2016
- Committee members to provide input and comments to District staff by September 13, 2016
- As no comments or requests for change had been received as of September 16, 2016, it is recommended that the Third Annual Report be approved by the Committee for transmittal to the Board once the Chair's letter is inserted in the document





# OFFICE OF FINANCIAL SERVICES



## FINANCING UPDATE

- The District successfully competitively issued \$200,000,000 par amount of Series 2016 General Obligation Bonds (GOB) on August 18, 2016, that due to favorable market conditions included the largest bond premium obtained to date, which in total will provide approximately \$241.5 million of project funding.
- Out of 7 bids received, Bank of America Merrill Lynch provided the lowest (winning) bid with a True Interest Cost (TIC) of 3.407%, which was considerably lower than the 2015 GOB TIC rate of 3.897%, and will save the District and tax payers approximately \$24 million in future debt service cost.



## FINANCING UPDATE

- Moody's and S&P affirmed their respective "Aa3" and "A+" rating for the GOB program, with S&P increasing the District outlook from stable to positive, which reflects improved financial results along with good financial policies and practices that included the resolution of the Value Adjustment Board related prior large tax collection shortfalls.





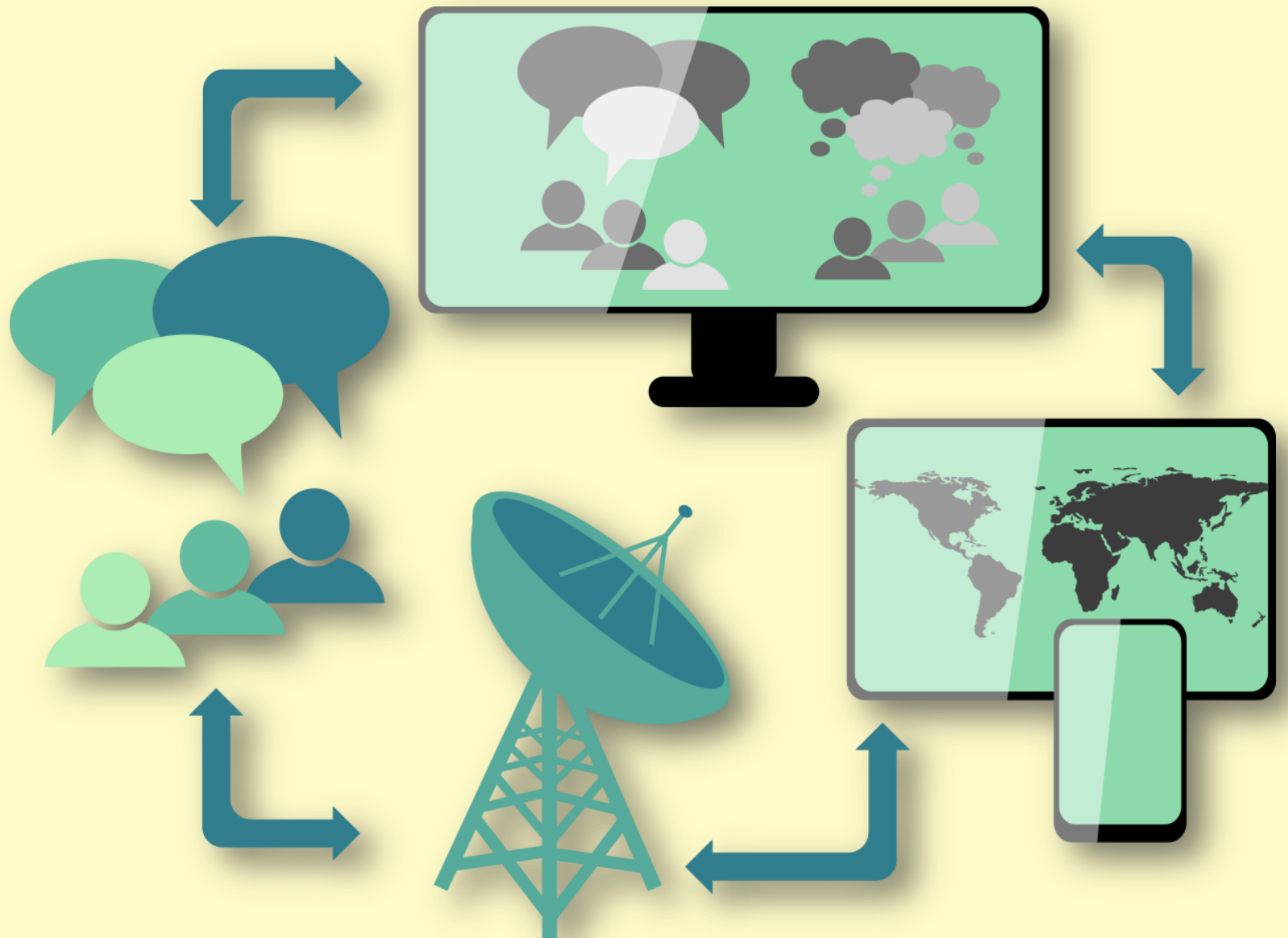
# INFORMATION TECHNOLOGY SERVICES AND INSTRUCTIONAL INNOVATION/SCHOOL CHOICE

## Infrastructure Update – Bandwidth Capacity

Internet traffic flow speed has tripled in the past year from 10 gig to **20** gig

Equipment is being installed to increase internet traffic flow speed to **40** gig

**30,000** access points installed





# DIGITAL CONVERGENCE

# 1.0

11,620



Interactive Whiteboards (IWB)

104,000



Mobile Devices

*Civic, Economics, and Geography (7)*  
*World History and Geography (9)*  
*Traditions and Encounters (AP World History)*  
*Discovering Our Past: A History of the United States – Early Years (8)*  
*Miller & Levine Biology*  
*Pearson Chemistry*  
*CPO Science Foundations of Physical Science*

Digital Content



## Mobile Device Deployments: Special Programs

- Technology needs/upgrades (K-12)
- Elementary Take Home Model\*
- Senior Academies (e.g., iPrep)
- Special Programs (e.g., iPrep Math)
- Laptop cart(s) for all ES and K-8 Ctrs
- Middle Grades Self-Contained Autism units
- Intensive Math (Middle Grades)



## Mobile Device Deployments: Grade Levels & Subject Areas

6

ELA\*

7

Civics

8

US History, Algebra I  
Physical Science\*

9

World History

10

ELA



35,790

Teacher Trainings\*\*

\* Selected Schools \*\* Not number of unique teachers

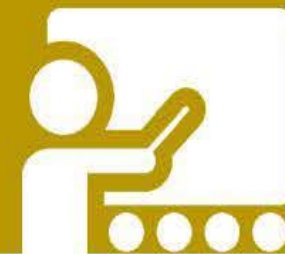




# DIGITAL CONVERGENCE

# 2.0

11,620



New!  
900  
IWB

104,000



New!  
35,000  
Mobile Devices

*Civic, Economics, and Geography (7)*  
*World History and Geography (9)*  
*Traditions and Encounters (AP World History)*  
*Discovering Our Past: A History of the United States – Early Years (8)*  
*Miller & Levine Biology*  
*Pearson Chemistry*  
*CPO Science Foundations of Physical Science*  
*Houghton Mifflin Harcourt Collections (6-12)*  
*Holt McDougal Algebra 1*  
*Holt McDougal Geometry*  
*Holt McDougal Algebra 2*  
*T'es branche? (French) (9-12)*  
*Español Santillana (Spanish) (2-5)*  
*Bien Dit! (6-8)*  
*Descubre el español con Santillana (2-5)*

Digital Content

New!



## Mobile Device Deployments: Special Programs

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- Middle Grades Self-Contained Autism units
- Intensive Math (Middle Grades)



6

ELA\*

New! 6

US History

7

Civics

New! 7

ELA\*

8

US History, Algebra I  
Physical Science\*

9

World History

10

ELA

11

ELA, US History



New!  
8,000

Teacher Desktops

\* Selected Schools



# MIAMI NORLAND SENIOR HIGH SCHOOL



# WHERE WE STARTED





# THE VISION FOR A NEW CAMPUS





# THE COMPONENTS – PHASE 1





# THE COMPONENTS – PHASE 1





# AN ENHANCED COMMUNITY PRESENCE



# THE IMPLEMENTATION

## PROJECT SCOPE

- At its November 19, 2014 meeting the School Board approved a construction award to James B. Pirtle Construction Company, Inc. in the amount of \$34,270,883 (including a contingency amount of \$1,095,199) for the Miami Norland Senior project;
- The scope of work included:
  - phased replacement of buildings No. 1 through 5, No. 7 through 11 and No. 13, providing 1,710 new student stations, in addition to the 420 existing student stations which remain in place, for a total of 2,130 student stations (the new buildings were designed and constructed to meet the U.S Green Building Council Leadership in Energy and Environmental Design (LEED) for Schools rating system); and
  - new playfields including a running track





# THE IMPLEMENTATION – SMALL BUSINESS PARTICIPATION

<b>S/MBE Utilization</b>				
<b>SUB-CONSULTANT FIRMS (Construction Services)</b>	<b>ROLE / RESPONSIBILITY</b>	<b>SBE/ MWBE CERTIFICATIO N CATEGORY</b>	<b>CONTRACTED (%) CONSTRUCTIO N</b>	<b>CONTRACTE D (%) CONSTR. MGMT.</b>
Conwell & Associates Consulting Company	Earthwork/grading	SBE	3.33%	
Cooper Construction Management & Consulting Inc.	Building Insulation, metal studs, stucco, gypsum wallboard	SBE	3.09%	
Curtis Painting & Waterproofing, Inc., dba Toole Corp.	Painting	SBE	1.93%	
DC Daly, LLC	HVAC	SBE	10.39%	
Odua Group, LLC	Project engineering and scheduling	SBE		10.26%
GA Group Ltd. dba GA Construction Group, LLC	Concrete flatwork and rough carpentry	SBE	2.19%	
Ronald M. Gibbons, Inc.	Estate and chain link fencing	SBE	.99%	
Supreme Ceiling and Interior, Inc.	Acoustical ceiling	SBE	.81%	
The EFCA Group, LLC	Quality assurance control and as-builts	SBE		6.96%
Viking Defense, Inc.	Site security	SBE	1.00%	
VisualScape Inc.	Landscaping and irrigation	SBE	2.08%	
<b>TOTAL PARTICIPATION</b>			<b>25.81%</b>	<b>17.22%</b>





# THE IMPLEMENTATION – M/WBE PARTICIPATION

M/WBE Utilization			
SUB-CONSULTANT FIRMS (Construction Services)	ROLE / RESPONSIBILITY	MWBE CERTIFICAT ION CATEGORY	CONTRACT ED (%) AFRICAN AMERICAN
Conwell & Associates Consulting Company	Earthwork/grading	AM	2.97%
Cooper Construction Management & Consulting Inc.	Building Insulation, metal studs, stucco, gypsum wallboard	AM	2.75%
Curtis Painting & Waterproofing, Inc., dba Toole Corp.	Painting	AM	1.71%
DC Daly, LLC	HVAC	AM	9.26%
GA Group Ltd. dba GA Construction Group, LLC	Concrete flatwork and rough carpentry	AM	1.95%
Odua Group, LLC	Project engineering and scheduling	AM	1.12%
Ronald M. Gibbons, Inc.	Estate and chain link fencing	AM	.88%
Supreme Ceiling and Interior, Inc.	Acoustical ceiling	AF	.72%
The EFCA Group, LLC	Quality assurance control and as-builts	AM	.76%
Viking Defense, Inc.	Site security	AM	.89%
TOTAL PARTICIPATION			23.01%



# WHERE WE ARE NOW







**NEXT MEETING  
DECEMBER 6, 2016**





# MIAMI NORLAND SENIOR HIGH SCHOOL FACILITY TOUR