

# 21ST CENTURY SCHOOLS BOND ADVISORY COMMITTEE

**JUNE 28, 2016 MEETING**



# PROJECT UPDATE YEARS 1 - 4 AND ACCELERATED SCOPE

# GOB PROJECT UPDATE

## Year 1

(68 Projects, including 1 advanced)

**65** Substantially completed, including 6-12  
Grade Addition at MAST on Virginia Key

**3** In construction, including Miami Norland  
Senior High School replacement



# GOB PROJECT UPDATE

## Year 2 (79 Projects)

- 54** Under \$1M (SBE/MBE):
- 29 substantially completed
  - 22 in construction
  - 1 in bidding
  - 2 in design

- 9** With values between \$1M and \$2M:
- 7 substantially completed
  - 2 in construction

- 16** Over \$2M:
- 14 in construction
  - 2 in bidding or design

# GOB PROJECT UPDATE

## Year 3 (54 Projects)

- 17** Under \$2M (includes MBE and SBE projects):
- 14 in construction
  - 3 in bidding or design

- 37** Over \$2M:
- 3 in construction
  - 1 in bidding
  - 22 in design
  - Balance in A/E and CM selection stage

# GOB PROJECT UPDATE

## Year 4

### (50 Projects and Accelerated Scope)

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

11

- All have been assigned to teams of architects and contractors; in scope validation

Over \$2M:

39

- Will advertise 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

207

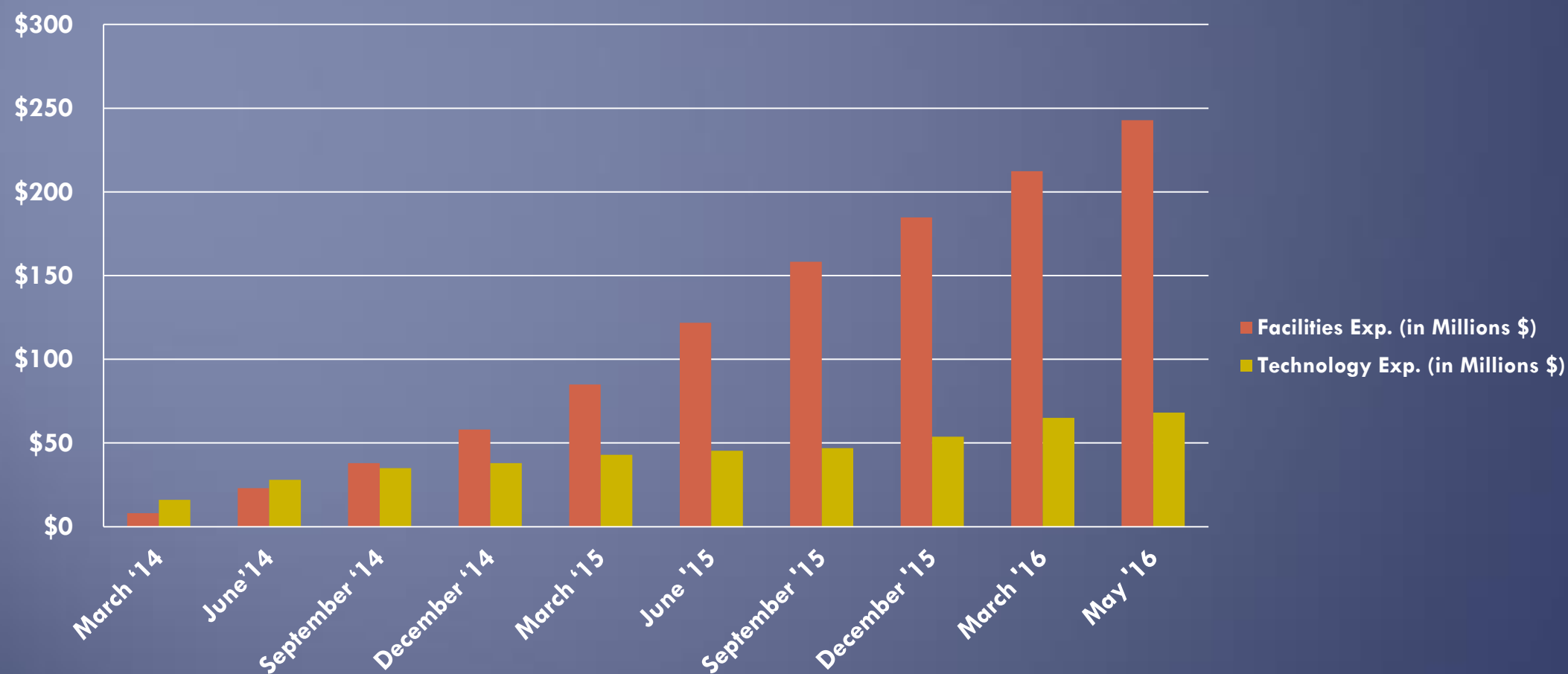
Smaller accelerated projects (playgrounds, portable removal, roofing, air conditioning)

- 150 completed
- 20 in construction
- Balance in design or bidding

# GOB PROJECT EXPENDITURES

Transaction Category	March '14	June '14	Sept. '14	Dec. '14	March '15	June '15	Sept. '15	Dec. '15	March '16	May '16
Facilities Exp. (Millions )	\$8	\$23	\$38	\$58	\$85	\$122	\$158	\$185	\$212	\$243
Technology Exp. (Millions)	\$16	\$28	\$35	\$38	\$43	\$45	\$47	\$54	\$65	\$68

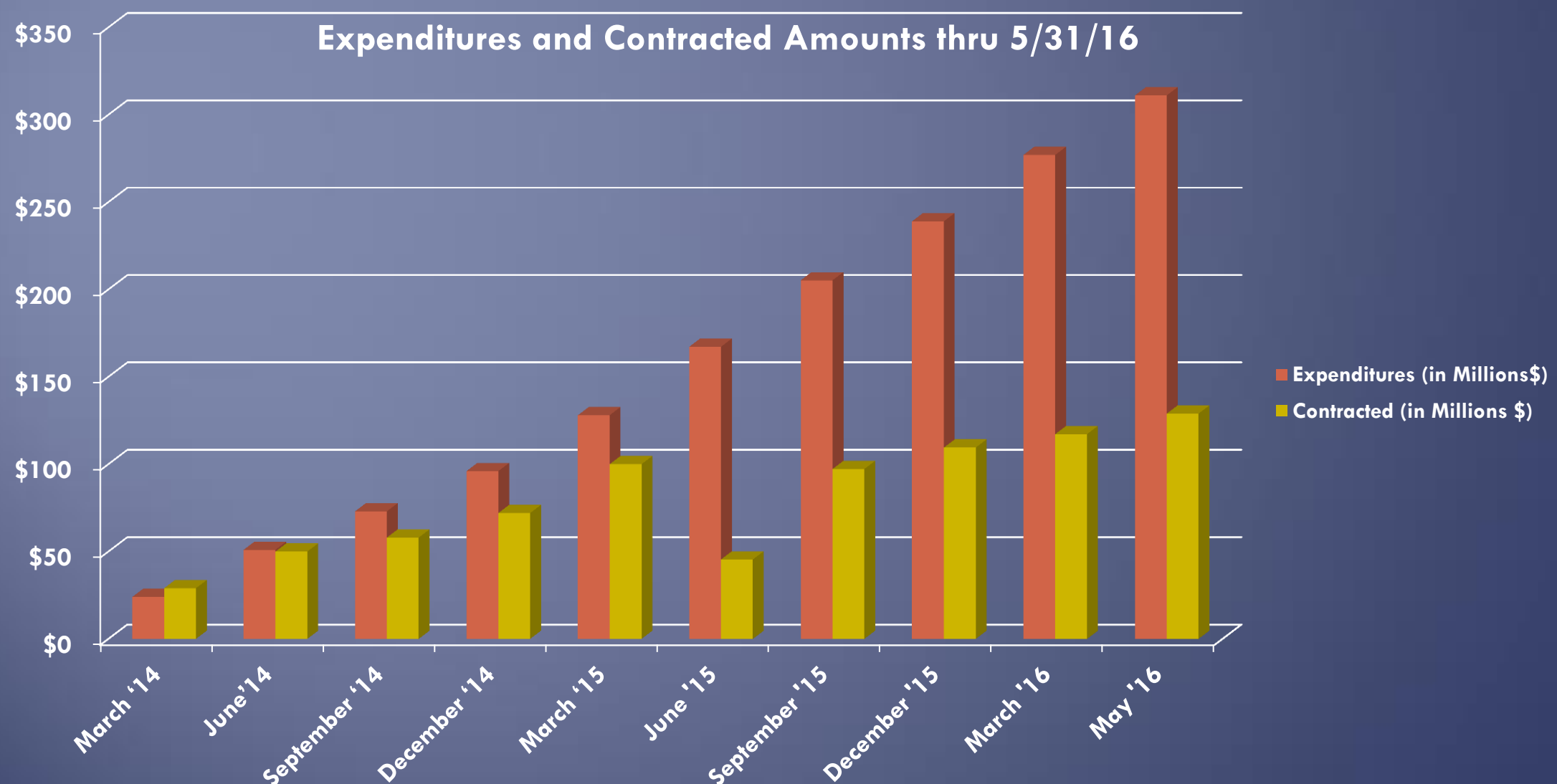
Expenditures thru 5/31/16





# GOB EXPENDITURES AND CONTRACTED

Transaction Category	March '14	June '14	Sept. '14	Dec. '14	March '15	June '15	Sept. '15	Dec. '15	March '16	May '16
Expenditures (Millions )	\$24	\$51	\$73	\$96	\$128	\$167	\$205	\$239	\$277	\$311
Contracted (Millions )	\$29	\$50	\$58	\$72	\$100	\$46	\$97	\$110	\$117	\$129





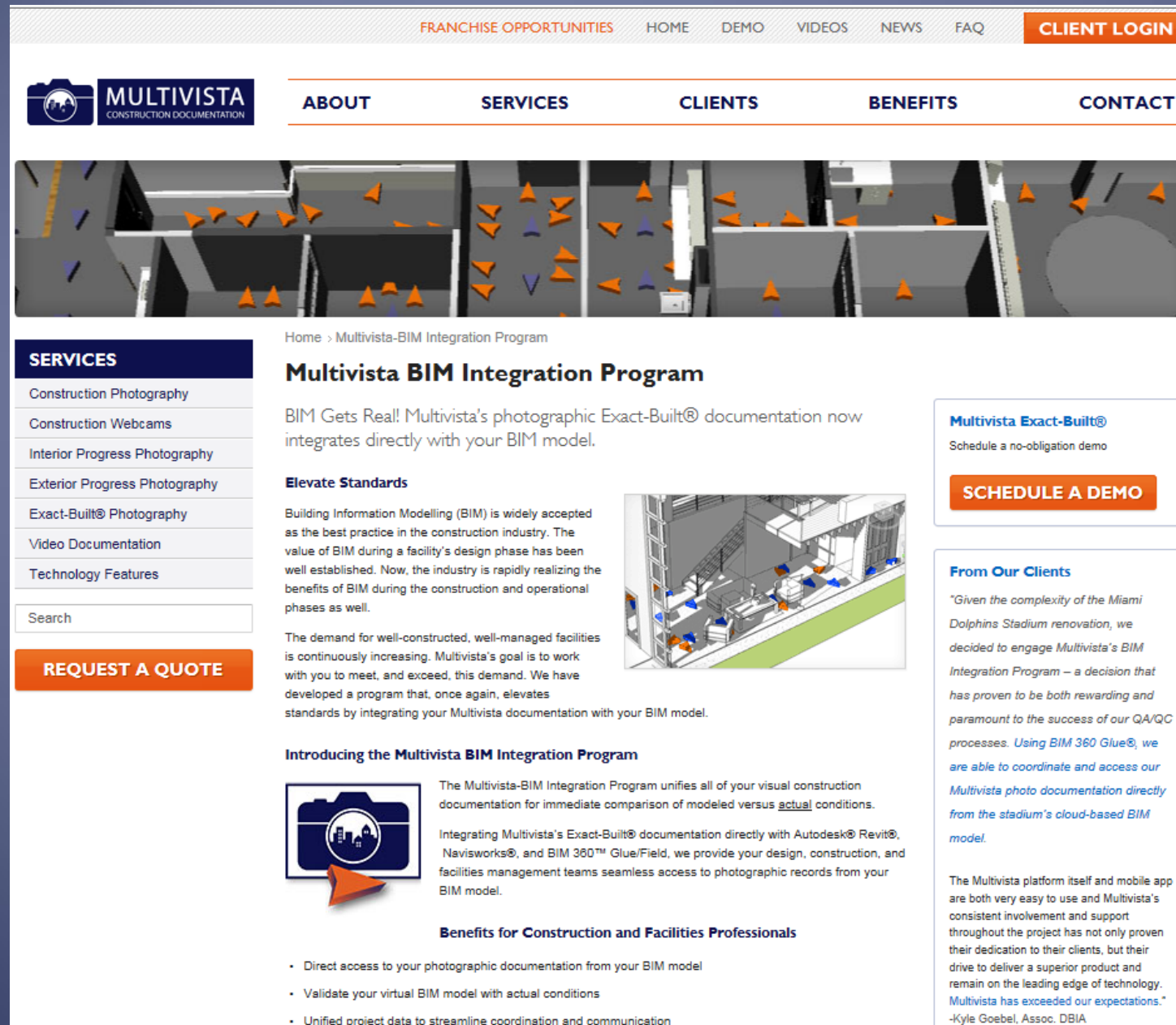


# MULTI VISTA

## A PROJECT DOCUMENTATION AND COLLABORATION TOOL



# DOCUMENTATION BENEFITS



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**MULTIVISTA**  
CONSTRUCTION DOCUMENTATION

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Home > Multivista-BIM Integration Program

## Multivista BIM Integration Program

BIM Gets Real! Multivista's photographic Exact-Built® documentation now integrates directly with your BIM model.

**Elevate Standards**

Building Information Modelling (BIM) is widely accepted as the best practice in the construction industry. The value of BIM during a facility's design phase has been well established. Now, the industry is rapidly realizing the benefits of BIM during the construction and operational phases as well.

The demand for well-constructed, well-managed facilities is continuously increasing. Multivista's goal is to work with you to meet, and exceed, this demand. We have developed a program that, once again, elevates standards by integrating your Multivista documentation with your BIM model.

**Introducing the Multivista BIM Integration Program**

The Multivista-BIM Integration Program unifies all of your visual construction documentation for immediate comparison of modeled versus actual conditions.

Integrating Multivista's Exact-Built® documentation directly with Autodesk® Revit®, Navisworks®, and BIM 360™ Glue/Field, we provide your design, construction, and facilities management teams seamless access to photographic records from your BIM model.

**Benefits for Construction and Facilities Professionals**

- Direct access to your photographic documentation from your BIM model
- Validate your virtual BIM model with actual conditions
- Unified project data to streamline coordination and communication

**Multivista Exact-Built®**  
Schedule a no-obligation demo

**SCHEDULE A DEMO**

**From Our Clients**

"Given the complexity of the Miami Dolphins Stadium renovation, we decided to engage Multivista's BIM Integration Program – a decision that has proven to be both rewarding and paramount to the success of our QA/QC processes. Using BIM 360 Glue®, we are able to coordinate and access our Multivista photo documentation directly from the stadium's cloud-based BIM model.

The Multivista platform itself and mobile app are both very easy to use and Multivista's consistent involvement and support throughout the project has not only proven their dedication to their clients, but their drive to deliver a superior product and remain on the leading edge of technology. Multivista has exceeded our expectations."


-Kyle Goebel, Assoc. DBIA

- A web-based, collaborative tool to facilitate:
  - Facility Management tool
  - Risk Management [including in emergency situations/claims (e.g. FEMA)]
  - Design review through verification of existing conditions
  - Efficiencies in a number of areas including decrease in number of site visits
  - Accountability of Trades
  - Verification of 'Work in Place'

<https://mds.multivista.com/index.cfm?fuseaction=aClientDashboard.home>



# DATA ORGANIZATION



Select A Project ▾

PROJECTS


ACTIVITY

MAP


FAVORITES

WEBCAMS


### My Projects




**Bunche Park Elementary School**  
 16001 W. Bunche Park Drive  
 Miami Gardens FL 33054




**Floral Heights Elementary**  
 5120 NW 24 Ave Miami FI 33142




**Frederick Douglass Elementary School**  
 314 NW 12th Street Miami FL 33136




**MAST Academy at Virginia Key**  
 3979 Rickenbacker Causeway




**Miami Norland Senior High School**  
 1050 NW 195th Street



**YR1 - Arthur & Polly Mays Conservatory Of The Arts**  
 11700 SW 216th Street














**YR1 - Auburndale Elementary**  
 3255 SW 6th Street



**YR1 - Avocado Elementry**

### Project Visibility

Show all ▾

Project Name ▲	Address
 Bunche Park Elementary School	16001 W. Bunche Park Drive
 Floral Heights Elementary	5120 NW 24 Ave Miami FI 3
 Frederick Douglass Elementary School	314 NW 12th Street Miami F
 MAST Academy at Virginia Key	3979 Rickenbacker Causew
 Miami Norland Senior High School	1050 NW 195th Street
 YR1 - Arthur & Polly Mays Conservat...	11700 SW 216th Street
 YR1 - Auburndale Elementary	3255 SW 6th Street
 YR1 - Avocado Elementry School	16969 SW 294th Street
 YR1 - Biscayne Elementary	800 77th Street
 YR1 - Bowman Ashe/Doolin K-8 Center	6601 SW 152nd Ave
 YR1 - Campbell Drive K-8 Center	15790 SW 307th Street

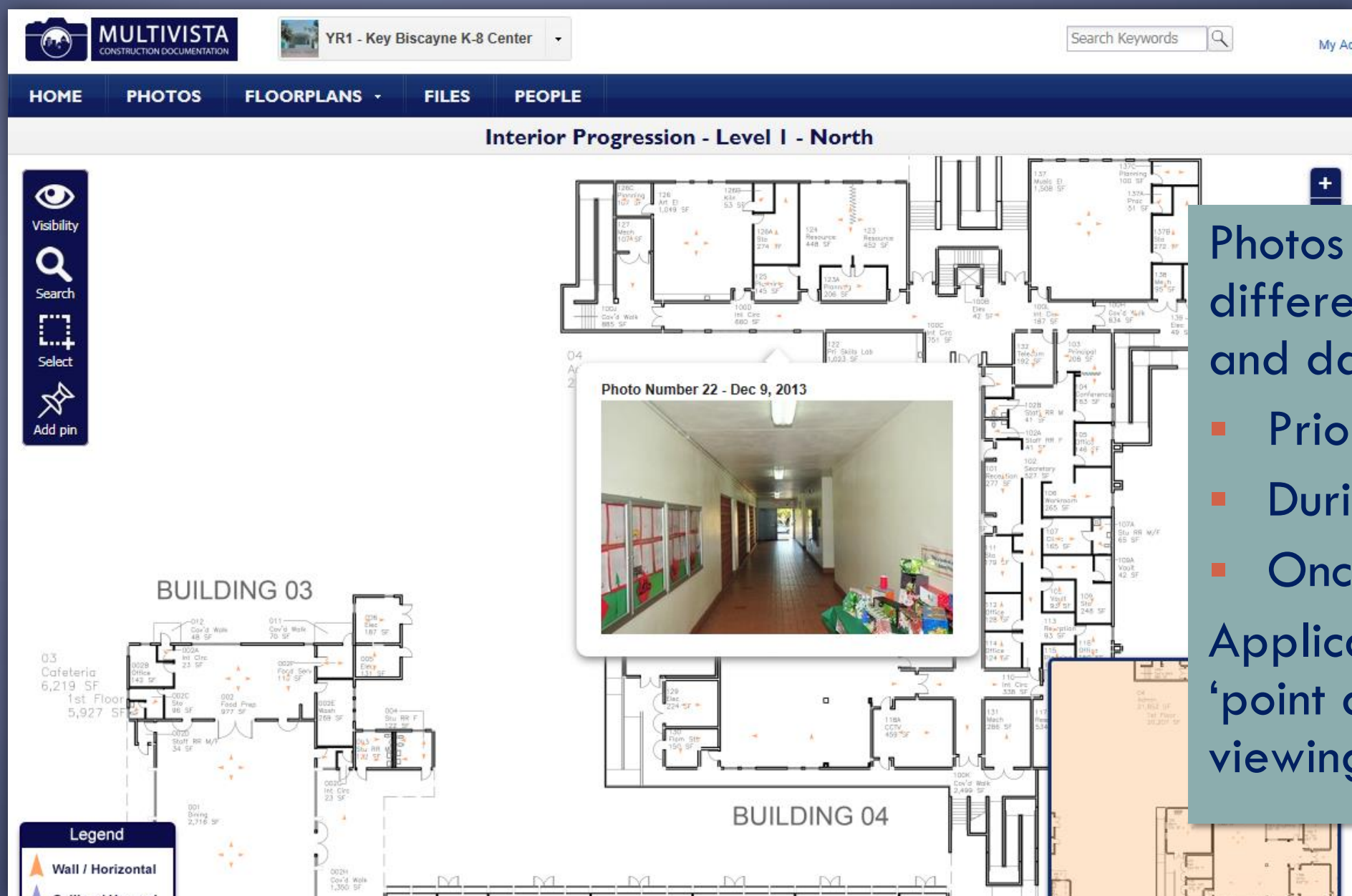
## DATA CAN BE RETRIEVED IN MANY DIFFERENT WAYS:

- Alphabetically
- Chronologically (including most recent entry made)
- By specific project from drop-down menu
- From 'Favorites' which can be stored in albums

<https://mds.multivista.com/index.cfm?fuseaction=aClientDashboard.home>



# DATA INDEXING



Photos are taken at three different stages, indexed and dated:

- Prior to construction
- During construction
- Once completed


Application allows quick 'point and click' detailed viewing

<https://mds.multivista.com/index.cfm?fuseaction=aClientDashboard.home>

# WEBCAM VIEWING

Return to Previous Page »

View Save Print Email Annotation Mode is OFF Slideshow Live View **Archive** Timelapse Help




June 5, 2015 6:15 AM

Write a comment

June		
S	M	T
31	1	2
7	8	9
14	15	16
21	22	23
28	29	30
5	6	7

6:15 AM

Custom Slideshow



- [LIVE VIEW](#)
- [ARCHIVED DATA](#)
- [TIMELAPSE VIEW](#)

[MAST](#)




# WEBCAM VIEWING

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Save Snapshot ▾

Live View Archive Timelapse Help



Miami Norland Senior High School  
Camera  
Live Stream

Fair  
91.0°F  
Southeast at 12.7 MPH

Zoom 0

The image shows a live stream of a school courtyard. The courtyard is paved with concrete and has several large, dark, rectangular structures, possibly air conditioning units or storage containers, along the sides. There are some construction materials and workers visible in the foreground. The sky is blue with some clouds.


- [LIVE VIEW](#)
  - [ARCHIVED DATA](#)
  - [TIMELAPSE VIEW](#)
- [Miami Norland SHS](#)



# WEBCAM VIEWING

Return to Previous Page »

View Save Print Email Annotation Mode is OFF Slideshow Live View **Archive** Timelapse Help




Bunche Park Elementary School  
Camera 1  
June 24, 2016 1:17 PM

Write a comment

June 2016			
S	M	T	W
29	30	31	
5	6	7	8
12	13	14	15
19	20	21	22
26	27	28	29
3	4	5	

1:17 PM  
Custom Slideshow



■ [LIVE VIEW](#)

■ [ARCHIVED DATA](#)

■ [TIMELAPSE VIEW](#)

[Bunche Park ES](#)



# UPDATE ON DIVERSITY TRAINING INITIATIVE





# ORIGIN OF THE DIVERSITY AND INCLUSION TRAINING INITIATIVE

Based on the results of the initial and subsequent subcontracted services of the Disparity Study findings, it was determined that within relevant geographic markets of Miami-Dade County, significant disparity was found in Miami-Dade County Public School's (M-DCPS) utilization of ready, willing and able M/WBEs in the areas of Construction, Construction Support Services, Professional Services, and Commodities and Services.

As a result of these findings, the Board mandated a policy change to avoid becoming a passive participant in private sector discrimination.

## L.E.A.R.N

(Leveraging Diversity by Educating through Awareness and Respect Now)





# ORIGIN OF THE DIVERSITY AND INCLUSION TRAINING INITIATIVE

Additionally, the Superintendent and the School Board committed to work collaboratively with community stakeholders to foster an environment of diversity, equity, and inclusion in all of its business operations and practices through mandatory staff training.

The Superintendent's goal is to ensure initial training, continuing education and align diversity training with The Office of Economic Opportunity's goals to increase minority participation and increase awarding bids to minority firms.

## L.E.A.R.N

(Leveraging Diversity by Educating through Awareness and Respect Now)

# PHASED TRAINING APPROACH

## PHASE I (A)

### Tier I -Top Level Administrators

**Non-School Site Administrators (Bureau/Department Heads, Cabinet Level, Senior Staff)**

**4 hour face-to-face training for approximately 200 Administrators**

- Participants included the Superintendent, Cabinet /Senior Staff
- Begin training in June
- Training facilitator (The Champion Services Group, Inc. (CSG))
- ½ day classes (4 hours)
- Facilitate training in an offsite location (Historic Hampton House)
- 40 whole group participants (8 participants per small group)
- Participant Assessments will be required
- 5 Professional Development Master Plan Points
- Linked to Strategic Blueprint (Effective & Sustainable Business Practices)

## PHASE I (B)

### Tier I- School Site Administrators (Principals)

**4 hour face-to-face training for approximately 340 Principals**

- Training will be done during Synergy in July

**\*Duplicate of Phase I (A)**

# L.E.A.R.N

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# PHASED TRAINING APPROACH

## PHASE II - Tier 3 (train-the-trainer)

**CSG will train 40 M-DCPS employees to become certified trainers**

- 40 selected employee participants
- Selection process to be determined (they must pass an evaluation)
- Training facilitated by CSG
- 4 full consecutive day classes (8:00 AM - 5:00 PM)
- Trainers will train employees (district wide)
- Training to be determined in an offsite location
- Home learning activities required
- 30 day Evaluation period will be done (pass/fail)
- PD Master plan points recommended
- Training calendar (November 2016-February 2017 & May 2017- June 2017)

## PHASE III District wide training (School Site and Non-School Site Personnel)

**Certified trainers will train employees over the next 3 years**

- Employees will be trained by M-DCPS certified trainers
  - Training Schedule will commence in August
    - ½ day training (4 hours)
    - AM/PM classes
- Registration will be through MyLearningPlan (MLP) as a meeting

# L.E.A.R.N

(Leveraging Diversity by Educating through Awareness and Respect Now)





## PURPOSE

The purpose of Diversity and Inclusion Training Initiative is to educate personnel involved in any and all procurement processes to ensure equal opportunity, anti-discrimination, diversity and inclusion for all businesses to participate in all District contracts. The training discussed detail topics of cultural competencies relative to specific job functions.

TRAINING MODULES AND MATERIALS WERE DESIGNED BY:

CSG, THE OFFICE PROFESSIONAL DEVELOPMENT & EVALUATION, THE OFFICE OF PROCUREMENT SERVICES, AND THE OFFICE OF ECONOMIC OPPORTUNITY

# L.E.A.R.N

(Leveraging Diversity by Educating through Awareness and Respect Now)



# LEARNING OBJECTIVES OF THE DIVERSITY AND INCLUSION TRAINING

- Educate personnel in the procurement processes
- Educate personnel on the District's diversity and inclusion policies and procedures
- Define and explain diversity terms that reflects the District's Office of Economic Opportunity and business practices

## L.E.A.R.N

(Leveraging Diversity by Educating through Awareness and Respect Now)

# LEARNING OBJECTIVES OF THE DIVERSITY AND INCLUSION TRAINING

- Determine ways to become more inclusive in the selection of contractors and vendors
- Establish accountability for achieving diversity business goals and objectives
- Take action to help the District avoid becoming a passive participant in private sector discrimination
- Support the District in its efforts to increase Small/Micro Business and Minority/Women Owned Enterprises' participants

## L.E.A.R.N

(Leveraging Diversity by Educating through Awareness and Respect Now)





# OFFICE OF FINANCIAL SERVICES

## UPDATE ON PROPERTY INSURANCE

- The Property marketplace views M-DCPS exposures as a highly concentrated South Florida risk with 100% of their values exposed to wind and coastal flooding.
- M-DCPS quality construction and continued improvement through the GOB to harden building envelopes differentiates it in the marketplace :
  - Underwriters look more favorable at superior construction types;
  - Practices improve Catastrophic Modeling (a tool used to estimate losses sustained as a result of a hurricane) which in turn supports competitive pricing and improved coverage terms;
  - Underwriters see M-DCPS as being proactive and on the cutting edge in reducing their exposure to wind events.



## UPDATE ON PROPERTY INSURANCE

- Examples of GOB project best practices to reduce and/or prevent a hurricane loss include among others strengthening of building envelope through replacement of outdated, non-compliant windows with impact resistant windows and structural improvements.
- The District's total annual insurance premium for Property (including parametric policy), terrorism and flood is \$21,970,317.70 including surcharges and assessments.
- This represents a total savings of \$2,753,209.20 as compared to the budgeted expenditures from the 2015-2016 policy period.



# FINANCING UPDATE

## NEXT GO BONDS ISSUANCE

- With the objective of closely tying expenditures to projected cash flow needs, the District has been able to maintain the related tax burden low as promised to the Miami-Dade voters when the bond referendum was approved in 2012.
- At this time, the cash flow projections require the issuance of approximately \$200 million in new bonds to meet the project schedule and cash needs.
- The proposal to issue the next series of General Obligation Bonds (GOB) was presented to the Treasury Advisory Committee, which recommended to the School Board the issuance of the next tranche at the beginning of the 2016-17 fiscal year.





# FINANCING UPDATE

## NEXT GO BONDS ISSUANCE

- The School Board approved the issuance of the 2016 GOB series on June 22, 2016, and it is expected that the bonds will be sold by August of this year.
- The GOB debt related tax levy millage will decrease for the 2016 tax roll period, due to the estimated increase in property value exceeding 8% from last year and the maturity of all the remaining prior issued bonds approved by the voters back in 1988.



**NEXT MEETING**  
**SEPTEMBER 6, 2016**