

Projected Revenue over \$198 Million

Preliminary Recommended Distribution

Month	Year	Revenue	Cumulative	Security 50%	ET 15%	Facilities 35%	Total
August	2019	\$1,294,012	\$1,294,012	\$647,006	\$194,102	\$452,904	\$1,294,012
September	2019	\$3,474,204	\$4,768,216	\$1,737,102	\$521,131	\$1,215,971	\$3,474,204
October	2019	\$3,440,101	\$8,208,317	\$1,720,051	\$516,015	\$1,204,035	\$3,440,101
November	2019	\$4,526,234	\$12,734,551	\$2,263,117	\$678,935	\$1,584,182	\$4,526,234
December	2019	\$3,218,487	\$15,953,038	\$1,609,244	\$482,773	\$1,126,470	\$3,218,487
January	2020	\$3,315,820	\$19,268,858	\$1,657,910	\$497,373	\$1,160,537	\$3,315,820
February	2020	\$5,420,075	\$24,688,933	\$2,710,038	\$813,011	\$1,897,026	\$5,420,075
March	2020	\$3,315,493	\$28,004,426	\$1,657,747	\$497,324	\$1,160,423	\$3,315,493
April	2020	\$3,355,854	\$31,360,280	\$1,677,927	\$503,378	\$1,174,549	\$3,355,854
May	2020	\$5,389,791	\$36,750,071	\$2,694,896	\$808,469	\$1,886,427	\$5,389,791
June	2020	\$3,554,107	\$40,304,178	\$1,777,054	\$533,116	\$1,243,937	\$3,554,107
July	2020	\$3,574,694	\$43,878,872	\$1,787,347	\$536,204	\$1,251,143	\$3,574,694
August	2020	\$4,954,442	\$48,833,314	\$2,477,221	\$743,166	\$1,734,055	\$4,954,442
September	2020	\$3,474,204	\$52,307,518	\$1,737,102	\$521,131	\$1,215,971	\$3,474,204
October	2020	\$3,440,101	\$55,747,619	\$1,720,051	\$516,015	\$1,204,035	\$3,440,101
November	2020	\$4,526,234	\$60,273,853	\$2,263,117	\$678,935	\$1,584,182	\$4,526,234
December	2020	\$3,218,487	\$63,492,340	\$1,609,244	\$482,773	\$1,126,470	\$3,218,487
January	2021	\$3,315,820	\$66,808,160	\$1,657,910	\$497,373	\$1,160,537	\$3,315,820
February	2021	\$5,420,075	\$72,228,235	\$2,710,038	\$813,011	\$1,897,026	\$5,420,075
Total		\$72,228,235		\$35,467,112	\$10,640,133	\$24,826,978	\$72,228,235
<i>Estimated based on prior year receipts</i>							

Approved/Requested Allocations:

	Security	ET	Facilities	Total
Repayment of temporary transfer - security to facilities	\$ 9,332,130.58			\$ 9,332,130.58
Allocation to security previously approved but not used)	\$ 280,144.46			\$ 280,144.46
Building Automation System plan (Board approved September 24, 2019)			\$200,000	\$ 200,000.00
Columbia, McAuliffe, Challenger 7 HVAC (Board approved September 24, 2019)			\$7,000,000	\$ 7,000,000.00
Computer replacement (Board approved September 24, 2019)		\$ 500,000		\$ 500,000.00
Longleaf Elementary facility renewal - supplemental Requested 12/11/2019		\$ 250,000	\$ 250,000	\$ 250,000.00
Cocoa Beach High facility renewal - supplemental fur Requested 12/11/2019		\$ 1,000,000	\$ 1,000,000	\$ 1,000,000.00
Satellite High facility renewal - supplemental funding Requested 12/11/2019		\$ 1,200,000	\$ 1,200,000	\$ 1,200,000.00
Mims Elementary facility renewal - supplemental fur Requested 12/11/2019		\$ 1,200,000	\$ 1,200,000	\$ 1,200,000.00
McNair Elementary facility renewal - supplemental fi Requested 12/11/2019		\$ 1,000,000	\$ 1,000,000	\$ 1,000,000.00
Edgewood Jr./Sr. High facility renewal - supplement: Requested 12/11/2019		\$ 1,600,000	\$ 1,600,000	\$ 1,600,000.00
Additional allocation Columbia, McAuliffe, Challenge Requested 12/11/2019		\$ 2,000,000	\$ 2,000,000	\$ 2,000,000.00
Cambridge Elementary facility renewal - supplemental request		\$ 700,000	\$ 700,000	\$ 700,000.00
Enterprise Elementary facility renewal - supplemental request		\$ 650,000	\$ 650,000	\$ 650,000.00
Titusville High facility renewal - supplemental request		\$ 770,000	\$ 770,000	\$ 770,000.00
Imperial Estates facility renewal - supplemental request		\$ 520,000	\$ 520,000	\$ 520,000.00
Total Allocation	\$ 9,612,275	\$ 500,000	\$ 18,090,000	\$ 28,202,275
Net Remaining Allocation	\$ 25,854,836	\$ 10,140,133	\$ 6,736,978	\$ 44,025,960

From: Hann.Susan@Facilities and Support Svc
To: Hann.Susan@Facilities and Support Svc
Subject: FW: December 2019 ICOC Agenda Package
Date: Tuesday, December 10, 2019 2:36:57 PM

From: Brian Blenis <brian.blenis.icoc@gmail.com>
Sent: Sunday, December 8, 2019 6:29 PM
To: Hann.Susan@Facilities and Support Svc <Hann.Susan@Brevardschools.org>
Subject: RE: December 2019 ICOC Agenda Package

Caution: This email originated from outside of Brevard Public Schools.
Do not click links or open attachments unless you recognize the sender and
know the content is safe.

Sue,

One question regarding the letter from DDC Engineering. Will the CHW systems under consideration be low temp systems (supply air temp= 50°F)? The schools in the district that have low temp systems generally have lower relative humidity levels, which promotes better IEQ. Also, low temp systems circulate lower volumes of supply which normally reduces the capacity of the air handlers and ductwork, saving money. Dane calculated that the district saved about \$70k at Heritage by installing a low temp system. Low temp systems also integrate ice TES systems well.

Brian Blenis

Hann.Susan@Facilities and Support Svc

From: Hann.Susan@Facilities and Support Svc
Sent: Tuesday, December 10, 2019 2:39 PM
To: Hann.Susan@Facilities and Support Svc
Subject: FW: CHILLER FOR MCCAULIFFE AND CHALLENGER

From: David DaSilva <dasilva.david@ddc-engineers.com>
Date: December 9, 2019 at 4:52:20 PM EST
To: "Gerber.Christopher@Png, Design and Constr" <Gerber.Christopher@Brevardschools.org>
Cc: Rachel Mankowski <mankowski.rachel@ddc-engineers.com>
Subject: CHILLER FOR MCCAULIFFE AND CHALLENGER

Caution: This email originated from outside of Brevard Public Schools. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Chris

The chiller design at McAuliffe and Challenger 7 elementary schools will utilize 42 degree water supply. The school boards maintenance has tried to avoid implementing glycol for the low temp systems in some of the schools and therefore has kept the water temperatures at a low level without having to provide glycol. Ddc has installed systems with the 42 degree water temperature and have had no problems with dehumidification. It should be noted that the new air handlers will be located on the mezzanines in each building and therefore pumping fluid with glycol would not be recommended through out the campus.

IT SHOULD ALSO BE NOTED THAT THE EXISTING DUCTWORK ABOVE THE CLASSROOMS WILL NOT BE ABLE TO ACCEPT LOW TEMPERATURE AIR WITHOUT A COMPLETE REPLACEMENT OF THE DUCT INSULATION IN EACH CLASSROOM. THIS COST IS NOT IN OUT BUDGET AT THIS TIME.

The chillers will be selected to easily convert to ice making at 23 degrees if needed at a later date.

The chilled water temperature delta will be 12 or 14 degrees – 42 supply and 54 or 56 return water. This may allow us to keep some of the existing piping on site and then insulate.

The chiller at each school will have a minimum of two compressors like the typical Brevard school . It should be noted that the water cooled unit was selected based on noise. The homes at McAuliffe Elementary are very close to the central plant. Future Ice building operation may have to consider noise levels of the plant at night.

The existing Marley towers at both schools may be refurbished and used for the new chillers- DDC will evaluate. The Challenger 7 tower was refurbished last year and looks good.

Again if further info is needed , please don't hesitate to contact me

Sincerely

David DaSilva



4083 S. US Highway #1, Ste 101
Rockledge, FL 32955-5308
(321) 633-4522 (w)
(321) 633-4528 (f)

December 6, 2019

Chris Gerber
Project Manager
Brevard Public Schools
Gerber.Chris@brevardschools.org

Re: Design of Air Conditioning for McAuliffe Elementary School

DDC Engineering offers the following benefits for a chilled water system versus a water source heat pump system at this school.

- 1. The chilled water system provides a more efficient operating system – energy efficiency will improve over the existing system**
- 2. Few chilled water units will be required on the site- a total of 14 chilled water air handlers will be needed versus 84 water source heat pump units – therefore less service calls.**
- 3. The chilled water system offers much better humidity and temperature control in the space and the response time is quicker.**
- 4. The chilled water system will eliminate the need for a boiler on site as electric heat will be used. Less maintenance needed.**
- 5. The water source heat pumps each contain a compressor in the unit. The compressor noise adjacent to the classroom could impact student activity.**
- 6. The chilled water air handlers as required by the school board are all double wall internally insulated units. The water source heat pumps do not have double wall units and has an inner liner of fiberglass in the air space. The indoor air quality is severely impacted by the construction of these units. The units typically are built cheaper than the chilled water air handlers and air leakage at the cabinets always results in sweating of the units.**

Finally, it should be noted that the majority of ac systems (over90 percent) in the Brevard school system utilizes chilled water systems and the maintenance staff is familiar with these systems versus the water source heat pumps where only 3 schools in the county exist.

Again, DDC Engineering looks forward to working with you and your staff on this project. Please call me if you have any further questions concerning this matter.

Sincerely,

David DaSilva

David A. DaSilva, P.E.

Principal Engineer



December 10, 2019

David Martin
Brevard Public Schools
Facilities Services

Dear Dave:

Based on our conversations regarding the feasibility and life cycle considerations for the new HVAC systems being proposed for the Satellite High School facility renewal, TLC Engineering Solutions has prepared the following comparison for your consideration.

Option 1: Replace existing air cooled chillers with new air cooled chillers of the same configuration

Pros: Lowest first cost, familiar technology, quicker delivery time, quicker installation

Cons: The chiller plant is located less than ½ mile from the beach and the salt air corrodes the aluminum condenser fins very quickly. Even coils with anti-corrosion coatings have been shown to severely deteriorate within 5-7 years of installation necessitating replacement of the equipment.

Option 2: Replace existing air cooled chillers with new water-cooled chillers and cooling towers

Pros: High efficiency, durability. Chillers can be located indoors with stainless steel cooling towers located outdoors. This configuration has been shown to last three to four times as long as air cooled equipment in Brevard County schools located near the beach.

Cons: Higher first cost, larger space requirements, increased maintenance requirements. Space must be found to locate both the chiller and the cooling tower. Condenser water treatment systems must be maintained.

TLC's recommendation is the installation of water cooled chillers and stainless steel cooling towers. The drastically improved service life more than offsets the increased first cost over the life of the equipment and the facility.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ben Garner", is written over a light blue horizontal line.

Ben Garner, PE, LEED AP



Attachment F

Facilities Services
 2700 Judge Fran Jamieson Way
 Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Longleaf Elementary	1.78	\$1,705,621
District School Security	1.00	\$28,980
Perimeter/Entry Fencing and Gates		\$2,137
Pedestrian Access and Safety (Fencing)	1.00	\$2,137
Building Access Security Equipment		\$26,843
Public Access Control	1.00	\$26,843
Educational Technology	2.25	\$511,325
Technology Building Cabling		\$347,844
Structured Cabling	1.00	\$347,844
Technology Equipment Renewal		\$113,771
Computer Replacement	3.00	\$28,700
Server Replacement	1.00	\$28,364
Switch Replacement	1.00	\$25,199
Telephone System Replacement	1.00	\$21,284
Wireless Access Points Replacement	1.00	\$10,223
Classroom Technology Infrastructure (Electrical, HVAC and Data)		\$49,711
Student Stations Data Drops	5.00	\$49,711
Facility Renewal	1.50	\$1,165,315
Central Mechanical Plant Renewal		\$646,476
Booster Pumps, Chilled Water, VFD's and Recirculation pumps	1.00	\$98,425
Chillers	1.00	\$548,050
Cooling and Heating Control System Renewal		\$182,311
Building Automation System	1.00	\$182,311
Air Conditioning and Air Distribution Equipment Renewal		\$123,032
HVAC Systems EPA Non-Compliant Refrigerant	1.00	\$123,032
Exterior Building Wall Finish System Renewal		\$54,424
Expansion / Control Joints	2.00	\$16,059
Sealants	2.00	\$38,364
Electrical Distribution System Renewal		\$159,074
TSS Surge Suppression	2.00	\$159,074



Attachment F

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Cocoa Beach Jr./Sr. High	1.79	\$2,060,796
District School Security	1.00	\$121,666
Perimeter/Entry Fencing and Gates		\$69,261
Pedestrian Access and Safety (Fencing)	1.00	\$69,261
Building Access Security Equipment		\$52,405
Public Access Control	1.00	\$52,405
Educational Technology	3.13	\$453,689
Technology Equipment Renewal		\$187,894
Computer Replacement	3.00	\$58,104
Server Replacement	4.00	\$50,003
Switch Replacement	1.00	\$32,404
Telephone System Replacement	1.00	\$45,352
Wireless Access Points Replacement	1.00	\$2,031
Classroom Technology Infrastructure (Electrical, HVAC and Data)		\$265,795
Student Stations Data Drops	4.00	\$71,460
Student Stations Power/ Technology HVAC	1.00	\$194,335
Facility Renewal	1.45	\$1,485,441
Safety and Building Code Deficiency Corrections		\$7,228
Fire Safety / Sanitation / Code Compliance	1.00	\$7,228
Central Mechanical Plant Renewal		\$167,367
Heating Boilers	2.00	\$167,367
Air Conditioning and Air Distribution Equipment Renewal		\$140,705
Wall Hung, Rooftop, Air Handlers, Split Systems, Unit Ventilators, Water Source Heat Pumps and Unitary Systems	2.00	\$104,458
HVAC Systems EPA Non-Compliant Refrigerant	1.00	\$36,247
Roofing System Renewal		\$288,000
Relocatable Covered Walkways (SREF) ← Not Included	1.00	\$288,000
Exterior Building Wall Finish System Renewal		\$224,031
Expansion / Control Joints	2.00	\$2,410
Exterior Finish	2.00	\$178,368
Exterior Sealants	2.00	\$38,567
Thermal Condition	2.00	\$4,686
Building Water and Sanitary Piping System Renewal		\$115,753
Isolation Valves	1.00	\$12,841
Sanitary Piping	1.00	\$54,637
Supply Piping	1.00	\$48,275
Water Heating System Renewal		\$63,106
Water Heaters	2.00	\$63,106
Electrical Distribution System Renewal		\$322,943
Feeders	1.00	\$7,180
Panel Boards	1.00	\$83,578
Panel boards Condition / Capacity	2.00	\$39,531
Transformers	1.50	\$80,466
TSS Surge Suppression	1.33	\$112,189
Electrical System Components (Lightning Protection, Intercom and Generators) Renewal		\$149,225



Attachment F

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Cocoa Beach Jr./Sr. High	1.79	\$2,060,796
Facility Renewal	1.45	\$1,485,441
Electrical System Components (Lightning Protection, Intercom and Generators) Renewal		\$149,225
Elevator Operating Condition	1.00	\$10,215
Equipment	1.00	\$139,010
Interior and Exterior Lighting Equipment Renewal		\$7,084
Motion Detection	1.00	\$7,084



Attachment F

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Satellite High	1.82	\$1,479,003
District School Security	1.00	\$127,433
Perimeter/Entry Fencing and Gates		\$73,973
Pedestrian Access and Safety (Fencing)	1.00	\$73,973
Building Access Security Equipment		\$53,460
Public Access Control	1.00	\$53,460
Educational Technology	2.75	\$78,500
Technology Equipment Renewal		\$78,500
Computer Replacement	4.00	\$15,398
Server Replacement	4.00	\$22,700
Switch Replacement	2.00	\$5,400
Telephone System Replacement	1.00	\$35,001
Facility Renewal	1.73	\$1,273,070
Central Mechanical Plant Renewal		\$340,355
Heating Boilers	1.00	\$42,986
Piping and Valves, Distribution Piping, Insulation, Tanks and Chilled Water	2.00	\$297,369
Cooling and Heating Control System Renewal		\$153,690
Building Automation System	2.00	\$153,690
Air Conditioning and Air Distribution Equipment Renewal		\$205,712
Wall Hung, Rooftop, Air Handlers, Split Systems, Unit Ventilators, Water Source Heat Pumps and Unitary Systems	1.00	\$186,665
HVAC Systems EPA Non-Compliant Refrigerant	1.00	\$19,047
Roofing System Renewal		\$104,000
Relocatable Covered Walkways (SREF) ← Not Included	1.00	\$104,000
Exterior Door/Window/Louver System Renewal		\$9,428
Windows	2.00	\$9,428
Building Water and Sanitary Piping System Renewal		\$12,374
Sanitary Piping	2.00	\$12,374
Electrical Distribution System Renewal		\$165,932
Panel boards Condition / Capacity	2.00	\$85,160
Transformers	2.00	\$11,932
TSS Surge Suppression	2.00	\$68,840
Site Utility Systems (Gas, Electrical, Stormwater, Water, Sanitary) Renewal		\$281,580
Sanitary Collection / Septic System	1.00	\$108,300
Water Distribution Systems	1.00	\$173,280



Attachment F

Facilities Services
 2700 Judge Fran Jamieson Way
 Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Mims Elementary	1.71	\$607,464
District School Security	1.00	\$55,024
Perimeter/Entry Fencing and Gates		\$33,593
Pedestrian Access and Safety (Fencing)	1.00	\$33,593
Building Access Security Equipment		\$21,431
Public Access Control	1.00	\$21,431
Educational Technology	2.60	\$143,241
Technology Equipment Renewal		\$63,767
Computer Replacement	3.00	\$18,199
Server Replacement	2.00	\$28,102
Switch Replacement	2.00	\$3,599
Wireless Access Points Replacement	5.00	\$13,868
Classroom Technology Infrastructure (Electrical, HVAC and Data)		\$79,474
Student Stations Power/ Technology HVAC	1.00	\$79,474
Facility Renewal	1.53	\$409,198
Cooling and Heating Control System Renewal		\$145,554
Building Automation System	1.00	\$145,554
Air Conditioning and Air Distribution Equipment Renewal		\$98,227
HVAC Systems EPA Non-Compliant Refrigerant	1.00	\$98,227
Exterior Building Wall Finish System Renewal		\$13,116
Expansion / Control Joints	2.00	\$2,253
Exterior Sealants	2.00	\$10,863
Exterior Door/Window/Louver System Renewal		\$37,840
Windows	2.00	\$37,840
Building Water and Sanitary Piping System Renewal		\$22,144
Isolation Valves	1.00	\$8,147
Sanitary Piping	1.00	\$13,996
Electrical Distribution System Renewal		\$45,389
Panel boards Condition / Capacity	2.00	\$13,010
TSS Surge Suppression	2.00	\$32,379
Site Utility Systems (Gas, Electrical, Stormwater, Water, Sanitary) Renewal		\$46,930
Electrical Service	1.00	\$46,930



Attachment F

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
McNair Magnet	1.85	\$774,090
District School Security	1.00	\$64,056
Perimeter/Entry Fencing and Gates		\$40,078
Pedestrian Access and Safety (Fencing)	1.00	\$40,078
Building Access Security Equipment		\$23,978
Public Access Control	1.00	\$23,978
Educational Technology	2.17	\$168,685
Technology Equipment Renewal		\$79,767
Computer Replacement	4.00	\$11,200
Server Replacement	4.00	\$14,666
Switch Replacement	2.00	\$26,995
Telephone System Replacement	1.00	\$15,955
Wireless Access Points Replacement	1.00	\$10,950
Classroom Technology Infrastructure (Electrical, HVAC and Data)		\$88,918
Student Stations Power/ Technology HVAC	1.00	\$88,918
Facility Renewal	1.83	\$541,349
Safety and Building Code Deficiency Corrections		\$40,723
Fire Safety / Sanitation / Code Compliance	1.00	\$40,723
Cooling and Heating Control System Renewal		\$260,760
Building Automation System	2.00	\$260,760
Air Conditioning and Air Distribution Equipment Renewal		\$109,899
HVAC Systems EPA Non-Compliant Refrigerant	1.00	\$109,899
Exterior Building Wall Finish System Renewal		\$50,842
Exterior Finish	2.00	\$50,842
Electrical Distribution System Renewal		\$79,125
Panel Boards	1.00	\$11,396
Panel boards Condition / Capacity	2.00	\$36,096
Transformers	2.00	\$10,025
Kitchen Equipment Supply	2.00	\$21,609



Attachment F

Facilities Services
 2700 Judge Fran Jamieson Way
 Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Edgewood Jr./Sr. High	1.52	\$634,405
District School Security	1.00	\$106,561
Perimeter/Entry Fencing and Gates		\$67,319
Pedestrian Access and Safety (Fencing)	1.00	\$67,319
Building Access Security Equipment		\$39,242
Public Access Control	1.00	\$39,242
Educational Technology	2.00	\$120,586
Technology Building Cabling		\$10,007
Structured Cabling	4.00	\$10,007
Technology Equipment Renewal		\$110,580
Computer Replacement	3.00	\$39,896
Server Replacement	1.00	\$23,578
Switch Replacement	1.00	\$30,592
Telephone System Replacement	1.00	\$16,514
Facility Renewal	1.44	\$407,257
Cooling and Heating Control System Renewal		\$134,076
Building Automation System	2.00	\$134,076
Roofing System Renewal		\$144,000
Relocatable Covered Walkways (SREF)	1.00	\$144,000
Exterior Building Wall Finish System Renewal		\$43,368
Expansion / Control Joints	1.00	\$2,343
Exterior Finish	2.00	\$19,813
Sealants	2.00	\$10,335
Soffits	1.00	\$6,192
Thermal Condition	2.00	\$4,685
Exterior Door/Window/Louver System Renewal		\$2,807
Main Entry Doors	2.00	\$2,807
Building Water and Sanitary Piping System Renewal		\$33,140
Sanitary Piping	1.00	\$23,343
Supply Piping	1.00	\$9,797
Water Heating System Renewal		\$2,449
Water Heaters	2.00	\$2,449
Air Supply and Exhaust System Renewal		\$47,417
Exhaust Fans Art Kiln Room, Locker Rooms, Restrooms, Science	1.00	\$47,417



Attachment F

Facilities Services
 2700 Judge Fran Jamieson Way
 Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Challenger 7	1.29	\$638,802
District School Security	1.00	\$97,722
Perimeter/Entry Fencing and Gates		\$70,742
Pedestrian Access and Safety (Fencing)	1.00	\$70,742
Building Access Security Equipment		\$26,980
Public Access Control	1.00	\$26,980
Educational Technology	1.40	\$189,232
Technology Equipment Renewal		\$89,180
Computer Replacement	3.00	\$35,704
Server Replacement	1.00	\$25,002
Telephone System Replacement	1.00	\$16,795
Wireless Access Points Replacement	1.00	\$11,680
Classroom Technology Infrastructure (Electrical, HVAC and Data)		\$100,051
Student Stations Power/ Technology HVAC	1.00	\$100,051
Facility Renewal	1.29	\$351,848
Fire Alarm System Renewal		\$51,243
Fire Alarm System	2.00	\$51,243
Cooling and Heating Control System Renewal		\$183,240
Building Automation System	1.00	\$183,240
Exterior Door/Window/Louver System Renewal		\$3,284
Main Entry Hardware	2.00	\$3,284
Electrical Distribution System Renewal		\$43,540
TSS Surge Suppression	1.00	\$43,540
Electrical System Components (Lightning Protection, Intercom and Generators) Renewal		\$37,939
Lightning Protection	1.00	\$37,939
Air Supply and Exhaust System Renewal		\$32,601
Exhaust Fans Art Kiln Room, Locker Rooms, Restrooms, Science	1.00	\$32,601



Attachment F

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Columbia Elementary	1.75	\$463,042
District School Security	1.00	\$141,860
Perimeter/Entry Fencing and Gates		\$112,400
Pedestrian Access and Safety (Fencing)	1.00	\$112,400
Building Access Security Equipment		\$29,460
Public Access Control	1.00	\$29,460
Educational Technology	2.50	\$121,523
Technology Building Cabling		\$12,275
Structured Cabling	4.00	\$12,275
Classroom Technology Infrastructure (Electrical, HVAC and Data)		\$109,248
Student Stations Power/ Technology HVAC	1.00	\$109,248
Facility Renewal	1.75	\$199,660
ADA Code Deficiency Corrections		\$31,920
Handicap Parking	2.00	\$31,920
Roofing System Renewal		\$57,600
Relocatable Covered Walkways (SREF)	1.00	\$57,600
		Not included
Electrical Distribution System Renewal		\$107,279
Transformers	2.00	\$38,943
TSS Surge Suppression	2.00	\$68,336
Air Supply and Exhaust System Renewal		\$2,861
Exhaust Fans Art Kiln Room, Locker Rooms, Restrooms, Science	1.00	\$2,861



Attachment F

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
McAuliffe Elementary	1.36	\$1,216,227
District School Security	1.00	\$89,747
Perimeter/Entry Fencing and Gates		\$57,052
Pedestrian Access and Safety (Fencing)	1.00	\$57,052
Building Access Security Equipment		\$32,695
Public Access Control	1.00	\$32,695
Educational Technology	1.83	\$137,319
Technology Building Cabling		\$23,159
Structured Cabling	3.00	\$23,159
Technology Equipment Renewal		\$114,160
Computer Replacement	3.00	\$20,298
Server Replacement	1.00	\$31,973
Switch Replacement	2.00	\$19,794
Telephone System Replacement	1.00	\$29,684
Wireless Access Points Replacement	1.00	\$12,410
Facility Renewal	1.00	\$989,161
Fire Alarm System Renewal		\$21,104
Fire Alarm System	1.00	\$21,104
Cooling and Heating Control System Renewal		\$222,053
Building Automation System	1.00	\$222,053
Air Conditioning and Air Distribution Equipment Renewal		\$581,698
Wall Hung, Rooftop, Air Handlers, Split Systems, Unit Ventilators, Water Source Heat Pumps and Unitary Systems	1.00	\$431,846
HVAC Systems EPA Non-Compliant Refrigerant	1.00	\$149,852
Roofing System Renewal		\$124,800
Relocatable Covered Walkways (SREF)	1.00	\$124,800
Air Supply and Exhaust System Renewal		\$39,506
Exhaust Fans Art Kiln Room, Locker Rooms, Restrooms, Science	1.00	\$39,506

Not included





Attachment F

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Cambridge Elementary	1.56	\$565,886
District School Security	1.00	\$21,041
Building Access Security Equipment		\$21,041
Public Access Control	1.00	\$21,041
Educational Technology	2.14	\$181,424
Technology Building Cabling		\$13,151
Structured Cabling	4.00	\$13,151
Technology Equipment Renewal		\$90,247
Computer Replacement	3.00	\$11,204
Server Replacement	1.00	\$45,001
Switch Replacement	4.00	\$3,603
Telephone System Replacement	1.00	\$18,761
Wireless Access Points Replacement	1.00	\$11,678
Classroom Technology Infrastructure (Electrical, HVAC and Data)		\$78,026
Student Stations Power/ Technology HVAC	1.00	\$78,026
Facility Renewal	1.35	\$363,421
Safety and Building Code Deficiency Corrections		\$7,224
Fire Safety / Sanitation / Code Compliance	1.00	\$7,224
Air Conditioning and Air Distribution Equipment Renewal		\$96,437
HVAC Systems EPA Non-Compliant Refrigerant	1.00	\$96,437
Roofing System Renewal		\$160,000
Relocatable Covered Walkways (SREF)	1.00	\$160,000
		Not Included
Exterior Building Wall Finish System Renewal		\$11,431
Exterior Finish	2.00	\$5,775
Exterior Sealants	2.00	\$2,237
Soffits	2.00	\$3,418
Building Water and Sanitary Piping System Renewal		\$19,333
Supply Piping	1.17	\$19,333
Water Heating System Renewal		\$25,424
Water Heaters	1.00	\$25,424
Electrical Distribution System Renewal		\$43,571
Panel Boards	1.00	\$22,896
Panel boards Condition / Capacity	2.00	\$20,676



Attachment F

Facilities Services
 2700 Judge Fran Jamieson Way
 Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Enterprise Elementary	1.12	\$808,575
District School Security	1.00	\$73,196
Perimeter/Entry Fencing and Gates		\$44,981
Pedestrian Access and Safety (Fencing)	1.00	\$44,981
Building Access Security Equipment		\$28,216
Public Access Control	1.00	\$28,216
Educational Technology	1.33	\$254,178
Technology Equipment Renewal		\$149,544
Computer Replacement	3.00	\$50,401
Server Replacement	1.00	\$37,950
Switch Replacement	1.00	\$27,005
Telephone System Replacement	1.00	\$23,243
Wireless Access Points Replacement	1.00	\$10,945
Classroom Technology Infrastructure (Electrical, HVAC and Data)		\$104,634
Student Stations Power/ Technology HVAC	1.00	\$104,634
Facility Renewal	1.00	\$481,201
Central Mechanical Plant Renewal		\$137,552
Makeup Water Secondary Backflow Preventer and Water Treatment	1.00	\$137,552
Cooling and Heating Control System Renewal		\$191,633
Building Automation System	1.00	\$191,633
Roofing System Renewal		\$32,000
Relocatable Covered Walkways (SREF)	1.00	\$32,000
	Not included	
Water Heating System Renewal		\$34,094
Water Heaters	1.00	\$34,094
Electrical Distribution System Renewal		\$79,728
TSS Surge Suppression	1.00	\$79,728
Interior and Exterior Lighting Equipment Renewal		\$6,194
Motion Detection	1.00	\$6,194



Attachment F

Facilities Services
2700 Judge Fran Jamieson Way
Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Titusville High School	1.46	\$2,350,071
District School Security	1.00	\$188,598
Perimeter/Entry Fencing and Gates		\$109,533
Pedestrian Access and Safety (Fencing)	1.00	\$109,533
Building Access Security Equipment		\$79,064
Public Access Control	1.00	\$79,064
Educational Technology	1.83	\$473,003
Technology Equipment Renewal		\$179,806
Computer Replacement	3.00	\$32,911
Server Replacement	4.00	\$56,828
Switch Replacement	1.00	\$32,416
Telephone System Replacement	1.00	\$54,587
Wireless Access Points Replacement	1.00	\$3,064
Classroom Technology Infrastructure (Electrical, HVAC and Data)		\$293,197
Student Stations Power/ Technology HVAC	1.00	\$293,197
Facility Renewal	1.40	\$1,688,471
Safety and Building Code Deficiency Corrections		\$76,035
Fire Safety / Sanitation / Code Compliance	1.00	\$25,268
Open Code Issues	1.00	\$50,767
Fire Alarm System Renewal		\$82,884
Fire Alarm System	2.00	\$82,884
Cooling and Heating Control System Renewal		\$859,825
Building Automation System	2.00	\$859,825
Roofing System Renewal	Complete	\$495,000
Membrane Renewal	1.00	\$495,000
Exterior Building Wall Finish System Renewal		\$51,029
Exterior Finish	2.00	\$51,029
Exterior Door/Window/Louver System Renewal		\$29,810
Exterior Door Hardware	1.50	\$10,898
Exterior Doors	1.50	\$8,937
Louvers and Vents	2.00	\$2,736
Main Entry Doors	1.50	\$7,240
Electrical System Components (Lightning Protection, Intercom and Generators) Renewal		\$61,366
Lightning Protection	1.00	\$61,366
Interior and Exterior Lighting Equipment Renewal		\$32,522
Corridor / Common Area Lighting	1.00	\$11,161
Exterior Perimeter Building Mounted Lighting	1.00	\$10,190
Motion Detection	1.00	\$11,171



Attachment F

Facilities Services
 2700 Judge Fran Jamieson Way
 Viera, Florida 32940-6601

Campus Capital Needs Sales Surtax Funded Detail Report

Facility	Condition Code	Estimate
Imperial Estates Elementary	1.44	\$1,194,477
District School Security	1.00	\$27,125
Building Access Security Equipment		\$27,125
Public Access Control	1.00	\$27,125
Educational Technology	1.67	\$302,767
Technology Equipment Renewal		\$202,180
Computer Replacement	3.00	\$126,005
Server Replacement	1.00	\$34,731
Switch Replacement	3.00	\$18,004
Telephone System Replacement	1.00	\$11,765
Wireless Access Points Replacement	1.00	\$11,675
Classroom Technology Infrastructure (Electrical, HVAC and Data)		\$100,587
Student Stations Power/ Technology HVAC	1.00	\$100,587
Facility Renewal	1.42	\$864,586
Safety and Building Code Deficiency Corrections		\$7,222
Fire Safety / Sanitation / Code Compliance	1.00	\$7,222
Cooling and Heating Control System Renewal		\$184,221
Building Automation System	1.00	\$184,221
Exterior Building Wall Finish System Renewal		\$96,476
Exterior Finish	1.83	\$79,546
Exterior Sealants	1.80	\$16,930
Exterior Door/Window/Louver System Renewal		\$110,073
Main Entry Doors	2.00	\$2,006
Windows	1.67	\$108,067
Building Water and Sanitary Piping System Renewal		\$45,277
Isolation Valves	1.00	\$13,315
Sanitary Piping	1.14	\$31,962
Water Heating System Renewal		\$32,776
Water Heaters	1.00	\$32,776
Electrical Distribution System Renewal		\$197,562
Panel boards Condition / Capacity	2.00	\$80,688
TSS Surge Suppression	1.88	\$116,874
Electrical System Components (Lightning Protection, Intercom and Generators) Renewal		\$109,907
Lightning Protection	1.00	\$109,907
Interior and Exterior Lighting Equipment Renewal		\$16,457
Exterior Walkway Lighting	1.00	\$16,457
Air Supply and Exhaust System Renewal		\$32,776
Exhaust Fans Art Kiln Room, Locker Rooms, Restrooms, Science	1.00	\$32,776
Site Utility Systems (Gas, Electrical, Stormwater, Water, Sanitary) Renewal		\$31,840
Compactor	1.00	\$31,840