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GOVERNOR

STATE OF MARYLAND
PUBLIC SCHOOL CONSTRUCTION PROGRAM
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INTERAGENCY COMMITTEE ON SCHOOL CONSTRUCTION

DAVID G. LEVER
EXECUTIVE DIRECTOR

LILLIAN M. LOWERY, Ed.D
CHAIRPERSON

MEMORANDUM

TO: Members, Board of Public Works
Members, Interagency Committee on School Construction
State Legislators
Presidents and Chairs, Boards of Education
Superintendents of Schools
Local Government Officials
Other Interested Parties

FROM: David Lever, Executive Director 

DATE: September 10, 2013

SUBJECT: Approved Fiscal Year 2014 Public School Construction Capital Improvement Program – Air Conditioning Initiative

For the fiscal year 2014 Capital Improvement Program - Air Conditioning Initiative (FY14 CIP-ACI), the Interagency Committee on School Construction (the IAC) received funding requests from six (6) school districts and the Maryland School for the Blind (MSB) totaling \$20.638 million for 19 new projects, as well as one (1) request for the balance of State funding for an HVAC project previously approved by the Board of Public Works (BPW).

On August 21, 2013, the BPW approved allocations in the total amount of \$18.123 million for 19 air conditioning projects in six (6) LEAs and the Maryland School for the Blind. The approvals included eight (8) projects for installation of complete air conditioning of schools that currently do not have central air conditioning, four (4) projects for non-air conditioned portions of schools that currently have partial air conditioning, and seven (7) projects for air conditioning in gymnasiums. These projects were funded from the balance of \$24.6 million available within the FY 2014 Air Conditioning Initiative (FY14 CIP-ACI) after approval of the FY 2014 Capital Improvement Program on May 15, 2013.

The summary below includes the requests and the approvals for funding and planning as approved by the BPW on January 23, 2013, May 15, 2013 and August 21, 2013:

Requests: LEA Planning and Funding

	<u>LP</u>	<u>Funding</u>	<u>Amount</u>
Kindergarten/Pre-Kindergarten	4	4	\$4.623 M
Major Construction	65	93	\$452.906 M
High School Science		1	\$3.600 M
Systemic Renovation:			
FY 2014 SR Projects		148	\$144.149 M
FY 2013 Energy Efficiency Initiative (EEl) SR Projects		259	\$78.736 M
FY 2014 Air Conditioning Initiative (ACI) SR Projects		20	\$20.638 M
Totals	69	525	\$704.652 M

MEMORANDUM

Approved Fiscal Year 2014 Public School Construction CIP-ACI

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Approvals: LEA Planning and Funding

	<u>LP</u>	<u>Funding</u>	<u>Amount</u>
Kindergarten/Pre-Kindergarten	4	4	\$4.532 M
Major Construction	60	50	\$177.616 M
High School Science		0	\$0 M
Systemic Renovation:			
FY 2014 SR Projects		109	\$80.943 M
FY 2013 EEI SR Projects		227	\$57.207 M
FY 2014 ACI SR Projects		19	\$18.123 M
FY 2014 Security Initiative		TBD	\$25.000 M
Statewide: Design Reviews		N/A	\$0.500 M
Amended total approved	64	409	\$363.921 M

Notes:

1. The FY 2014 SR Projects total of \$80.943 M includes \$400,000 of ACI funds that were approved by the BPW on May 15, 2013 for an eligible project submitted in the FY 2014 CIP.
2. The combined total approved funding from the FY14 CIP-ACI is \$18.523 M. The remaining balance of \$6.477 M from the FY14 CIP-ACI allocation of \$25 M will be reserved for project requests in the FY 2015 CIP, with priority given to air conditioning in schools that currently do not have central air conditioning. Air conditioning funding requests can be submitted in October 2013, in priority order with other requests, as part of the FY 2015 CIP.
3. The FY 2014 Security Initiative figure of \$25 M was approved on May 15 by the BPW, with individual LEA allocations based on each LEA's percentage of the total statewide square footage for educational buildings. The applications for projects in this funding Initiative are now in process through April 15, 2014.

The enclosed documents supplement the Fiscal Year 2014 Public School Construction Capital Improvement Program document that you received on June 1, 2013. Section XII – Summary of Fiscal Year 2014 Capital Improvement Program has been revised to reflect the additional requests and approvals for the ACI projects. Section XIII – Summary of Air Conditioning Initiative Project Requests & Approvals, as well as the Detailed Program by school system for each project, are enclosed for insertion into the FY 2014 CIP document that was previously distributed.

Please do not hesitate to contact either myself or Ms. Joan Schaefer, Deputy Director, at (410) 767-0096, if you have any questions pertaining to this material.

DGL:hm

Attachments

cc: Ms. Joan Schaefer, Deputy Director, Public School Construction Program
Ms. Barbara Bice, Maryland State Department of Education
Ms. Patricia Goucher, Maryland Department of Planning
Mr. Fred Mason III, Department of General Services
Ms. Kim Spivey, Program Manager, Public School Construction Program

SECTION XIII - Supplement

SUMMARY OF AIR CONDITIONING INITIATIVE PROJECT REQUESTS & APPROVALS
FY 2014 Public School Construction Capital Improvement Program
Interagency Committee on School Construction
as of August 21, 2013

<u>Project Name</u>	<u>Priority</u>	<u>Project Category</u>	<u>Status</u>	<u>FY 2014 Requests</u>	<u>State Allocation</u>
<u>Baltimore County</u>					
Parkville Middle	1	SR: Air Conditioning	A	3,017,000	3,017,000 e
Featherbed Lane Elementary	2	SR: Air Conditioning	A	2,495,000	2,126,000 e
Scotts Branch Elementary	3	SR: Air Conditioning	A	2,058,000	2,058,000 e
Wellwood International Elementary	4	SR: Air Conditioning	A	1,930,000	1,930,000 e
Hawthorne Elementary	5	SR: Air Conditioning	A	2,584,000	2,584,000 e
				12,084,000	\$11,715,000
<u>Calvert County</u>					
Southern Middle	1	SR: Air Conditioning - Gym	A	230,000	230,000 e
				230,000	\$230,000
<u>Charles County</u>					
Matthew Henson Middle	1	SR: Air Conditioning - Gym	A	223,000	223,000 e
				223,000	\$223,000
<u>Prince George's County</u>					
Melwood Elementary	1	SR: Air Conditioning	A	588,000	588,000 e
Allenwood Elementary	2	SR: Air Conditioning	A	535,000	535,000 e
Duval High	3	SR: Air Conditioning	A	129,000	129,000 e
High Point High	4	SR: Air Conditioning	A	291,000	291,000 e
William Schmidt K-12	5	SR: Air Conditioning	A	258,000	258,000 e
Largo High	6	SR: Air Conditioning - Gym	A	194,000	194,000 e
Potomac High	7	SR: Air Conditioning - Gym	A	387,000	387,000 e
Thurgood Marshall Middle	8	SR: Air Conditioning - Gym	A	129,000	129,000 e
				2,511,000	\$2,511,000
<u>Wicomico County</u>					
Pittsville Elementary/Middle	1	SR: Air Conditioning - Gym	A	250,000	250,000 e
				250,000	\$250,000
<u>Baltimore City</u>					
Gwynn Falls Elementary #060	1	SR: HVAC	C	2,146,000	-
Moravia Park Building #105B	2	SR: Air Conditioning	A	2,800,000	2,800,000 e
				4,946,000	\$2,800,000
<u>Maryland School for the Blind County</u>					
Knefely Gymnasium	1	SR: Air Conditioning - Gym	A	196,000	196,000 e
Sippel Pool	2	SR: Air Conditioning	A	198,000	198,000 e
				394,000	\$394,000
Totals				\$20,638,000	\$18,123,000
Summary by Project Type:				Funding Requests	State Allocation
Systemic Renovation - ACI				20	18,123,000
Total Projects				20	\$18,123,000

Note: The combined total approved funding from the FY 14 CIP-ACI allocation is \$18.523 million, including \$400,000 ACI funds previously approved by the BPW on May 15, 2013 for Pittsville Elementary/Middle in Wicomico County.

Abbreviations:

Systemic Renovations: SR-[type]

Funding Code:

e Entire funding for project

**PSCP
FISCAL YEAR 2014
(\$000 omitted)**

Baltimore County

FY 14 CIP - ACI Requests	<u>\$12,084</u>		<u>Requested</u>	<u>Approved</u>	<u>Deferred</u>	<u>Denied</u>
FY 14 CIP - ACI Allocation	<u>\$11,715</u>	Systemic Renovation - ACI	<u>5</u>	<u>5</u>	<u>0</u>	<u>0</u>
		Total	<u><u>5</u></u>	<u><u>5</u></u>	<u><u>0</u></u>	<u><u>0</u></u>

PSC#	LEA PRI#	SCHOOL/PROJECT	DESCRIPTION	TOTAL EST COST	LEA FUNDING	NET STATE FUNDING	PRIOR STATE FUNDING	LEA REQUEST	STATE ALLOC
03.082	1	Parkville Middle Air Conditioning	A <u>Approval</u> to provide air conditioning throughout the school, including installation of a chiller and enclosure, adding cooling coils to heating only air handlers, and associated pumps, and controls. The Administration area and Media Center are already air conditioned and are not included in the scope of this project.	\$7,218	\$4,201	\$3,017		\$3,017	\$3,017
03.102	2	Featherbed Lane Elementary Air Conditioning	A <u>Approval</u> to provide air conditioning throughout the school, including installation of a chiller and enclosure, chilled water air handler for the multipurpose room, and associated piping, pumps, and controls; and replacement of all 24 1958 heating-only unit ventilators and 1958 heating-only piping with dual temperature equipment.	\$6,000	\$3,874	\$2,126		\$2,495	\$2,126
03.025	3	Scotts Branch Elementary Air Conditioning	A <u>Approval</u> to provide air conditioning throughout the school, including installation of a chiller and enclosure, chilled water air handlers serving the cafeteria and multipurpose room, and associated piping, pumps, and controls; and replacement of 1960 heating-only piping and locally funded 2000 heating-only unit ventilators.	\$4,750	\$2,692	\$2,058		\$2,058	\$2,058

PSC#	LEA PRI#	SCHOOL/ PROJECT	DESCRIPTION	TOTAL EST COST	LEA FUNDING	NET STATE FUNDING	PRIOR STATE FUNDING	LEA REQUEST	STATE ALLOC
03.183	4	Wellwood International Elementary Air Conditioning	A <u>Approval</u> to provide air conditioning throughout the school, including installation of a chiller and enclosure, chilled water air handler for the multipurpose room, and associated piping, pumps, and controls; and installation of chilled water piping.	\$4,750	\$2,820	\$1,930		\$1,930	\$1,930
03.152	5	Hawthorne Elementary Air Conditioning	A <u>Approval</u> to provide air conditioning throughout the school, including installation of a chiller and enclosure, and associated piping, pumps, and controls.	\$6,500	\$3,916	\$2,584		\$2,584	\$2,584

**PSCP
FISCAL YEAR 2014
(\$000 omitted)**

Calvert County

FY 14 CIP - ACI Requests	<u>\$230</u>		<u>Requested</u>	<u>Approved</u>	<u>Deferred</u>	<u>Denied</u>
FY 14 CIP - ACI Allocation	<u>\$230</u>	Systemic Renovation - ACI	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>
		Total	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>

PSC#	LEA PRI#	SCHOOL/PROJECT	DESCRIPTION	TOTAL EST COST	LEA FUNDING	NET STATE FUNDING	PRIOR STATE FUNDING	LEA REQUEST	STATE ALLOC
04.009	1	Southern Middle Air Conditioning - Gym	A <u>Approval</u> to provide air conditioning for the gymnasium by replacing 1979 heating and ventilation equipment and heating-only piping with heating and cooling rooftop units, heating and cooling piping, and new ductwork, including associated structural modifications, electrical upgrades related to the new units, and integration with controls.	\$420	\$184	\$236		\$230	\$230

**PSCP
FISCAL YEAR 2014
(\$000 omitted)**

Charles County

FY 14 CIP - ACI Requests	<u>\$223</u>		<u>Requested</u>	<u>Approved</u>	<u>Deferred</u>	<u>Denied</u>
FY 14 CIP - ACI Allocation	<u>\$223</u>	Systemic Renovation - ACI	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>
		Total	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>

PSC#	LEA PRI#	SCHOOL/PROJECT	DESCRIPTION	TOTAL EST COST	LEA FUNDING	NET STATE FUNDING	PRIOR STATE FUNDING	LEA REQUEST	STATE ALLOC
08.016	1	Matthew Henson Middle Air Conditioning - Gym	A <u>Approval</u> to provide air conditioning in the gymnasium by replacing two (2) 1957 heating and ventilation units with heating and cooling units with ducted distribution.	\$363	\$140	\$223		\$223	\$223

**PSCP
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(\$000 omitted)**

Prince George's County

FY 14 CIP - ACI Requests	<u>\$2,511</u>		<u>Requested</u>	<u>Approved</u>	<u>Deferred</u>	<u>Denied</u>
FY 14 CIP - ACI Allocation	<u>\$2,511</u>	Systemic Renovation - ACI	<u>8</u>	<u>8</u>	<u>0</u>	<u>0</u>
		Total	<u><u>8</u></u>	<u><u>8</u></u>	<u><u>0</u></u>	<u><u>0</u></u>

PSC#	LEA PRI#	SCHOOL/PROJECT	DESCRIPTION	TOTAL EST COST	LEA FUNDING	NET STATE FUNDING	PRIOR STATE FUNDING	LEA REQUEST	STATE ALLOC
16.168	1	Melwood Elementary Air Conditioning	A <u>Approval</u> to install a central air conditioning system in the original 1967 building and 1968 addition, including one (1) new chiller; replacement of 1967/1968 equipment, including 16 heating only unit ventilators, 11 fan coil units, and two (2) air handlers; replacement of heating-only piping with a two pipe system, removal of window air conditioning units, and restoration of impacted areas. Air conditioning of the FY 2013 open space pod conversion is provided under that project, and the heating-only unit ventilators will be isolated from the piping during cooling season.	\$1,070	\$482	\$588		\$588	\$588

PSC#	LEA PRI#	SCHOOL/ PROJECT	DESCRIPTION	TOTAL EST COST	LEA FUNDING	NET STATE FUNDING	PRIOR STATE FUNDING	LEA REQUEST	STATE ALLOC
16.205	2	Allenwood Elementary Air Conditioning	A <u>Approval</u> to install a central air conditioning system in the original 1967 building, including one (1) new chiller; replacement of 1973 equipment, including three (3) heating only unit ventilators, 11 fan coil units, and two (2) air handlers; replacement of heating-only piping with a two pipe system, removal of window air conditioning units, and restoration of impacted areas. Air conditioning of the FY 2012 open space pod conversion is provided under that project, and the heating-only unit ventilators will be isolated from the piping during cooling season.	\$974	\$439	\$535		\$535	\$535
16.194	3	Duval High Air Conditioning	A <u>Approval</u> to provide air conditioning to 19 classrooms and offices in the east wings of the original 1960 building by installing variable refrigerant flow air conditioning units in the rooms, roof mounted energy recovery units, provision to meet outside air requirements, and associated piping, controls, and electrical work, removal of window air conditioning units, and restoration of impacted areas.	\$235	\$106	\$129		\$129	\$129
16.085	4	High Point High Air Conditioning	A <u>Approval</u> to provide air conditioning to 49 classrooms and offices in the 1954 and 1957 portions of the school by installing variable refrigerant flow air conditioning units in the rooms, roof mounted energy recovery units, provision to meet outside air requirements, and associated piping, controls, and electrical work, removal of window air conditioning units, and restoration of impacted areas.	\$529	\$238	\$291		\$291	\$291

PSC#	LEA PRI#	SCHOOL/ PROJECT	DESCRIPTION	TOTAL EST COST	LEA FUNDING	NET STATE FUNDING	PRIOR STATE FUNDING	LEA REQUEST	STATE ALLOC
16.199	5	William Schmidt K-12 Air Conditioning	A <u>Approval</u> to provide air conditioning to the entire 1956/1959 main building by installing variable refrigerant flow air conditioning units in the rooms, roof mounted energy recovery units, provision to meet outside air requirements, and associated abatement, structural support, ductwork, piping, controls, and electrical work, removal of window air conditioning units, and restoration of impacted areas.	\$470	\$212	\$258		\$258	\$258
16.011	6	Largo High Air Conditioning - Gym	A <u>Approval</u> to provide air conditioning in the 1970 gymnasium by installing rooftop packaged air conditioning units and interior ductwork, including required structural support and integration with controls and restoration of impacted areas.	\$353	\$159	\$194		\$194	\$194
16.216	7	Potomac High Air Conditioning - Gym	A <u>Approval</u> to provide air conditioning in the 1965 main gymnasium and 1981 auxiliary gymnasium by installing rooftop packaged air conditioning units and interior ductwork, including required structural support and integration with controls, removal of window air conditioning units, and restoration of impacted areas.	\$705	\$318	\$387		\$387	\$387
16.156	8	Thurgood Marshall Middle Air Conditioning - Gym	A <u>Approval</u> to provide air conditioning in the 1962 gymnasium by installing rooftop packaged air conditioning units and interior ductwork, including required structural support and integration with controls, removal of window air conditioning units, and restoration of impacted areas.	\$235	\$106	\$129		\$129	\$129

**PSCP
FISCAL YEAR 2014
(\$000 omitted)**

Wicomico County

FY 14 CIP - ACI Requests	<u>\$250</u>		<u>Requested</u>	<u>Approved</u>	<u>Deferred</u>	<u>Denied</u>
FY 14 CIP - ACI Allocation	<u>\$250</u>	Systemic Renovation - ACI	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>
		Total	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>

PSC#	LEA PRI#	SCHOOL/PROJECT	DESCRIPTION	TOTAL EST COST	LEA FUNDING	NET STATE FUNDING	PRIOR STATE FUNDING	LEA REQUEST	STATE ALLOC
22.019	1	Pittsville Elementary/ Middle Air Conditioning - Gym	A <u>Approval</u> to provide air conditioning to area D, gymnasium and locker rooms, by replacing all 1956 equipment with four (4) heating and cooling rooftop units and miscellaneous unit heaters for the locker rooms.	\$282	\$32	\$250		\$250	\$250

Note: Pittsville Elementary/Middle was allocated \$400,000 in Air Conditioning Initiative funding for a separate project in the FY 2014 CIP approved May 15,2013.

**PSCP
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(\$000 omitted)**

Baltimore City

FY 14 CIP - ACI Requests	<u>\$4,946</u>		<u>Requested</u>	<u>Approved</u>	<u>Deferred</u>	<u>Denied</u>
FY 14 CIP - ACI Allocation	<u>\$2,800</u>	Systemic Renovation - ACI	<u>2</u>	<u>1</u>	<u>1</u>	<u>0</u>
		Total	<u><u>2</u></u>	<u><u>1</u></u>	<u><u>1</u></u>	<u><u>0</u></u>

PSC#	LEA PRI#	SCHOOL/ PROJECT	DESCRIPTION	TOTAL EST COST	LEA FUNDING	NET STATE FUNDING	PRIOR STATE FUNDING	LEA REQUEST	STATE ALLOC
30.261	1	Gwynn Falls Elementary #060 HVAC	C <u>Deferral</u> of funding due to project schedule. The request is to replace all 1957 unit ventilators and exhaust fans, install a chiller and air handling units for the Administrative areas, Auditorium, Gym, and Multipurpose Room to provide air conditioning throughout the school, and replace all associated piping, pumps, controls and accessories.	\$4,375	\$875	\$3,500	\$1,354	\$2,146	\$0
30.232	2	Moravia Park Building #105B Air Conditioning	A <u>Approval</u> to convert one (1) 2008 steam boiler to hot water, install a chiller and air handling units for the Administrative areas, Auditorium, Gym, Cafeteria, and Kitchen to provide air conditioning throughout the school, replace all 1958 unit ventilators with dual temperature units or other distribution system, replace all associated piping, pumps, controls and accessories, and upgrade electrical system to accommodate the chiller. In order for this system to accept air conditioning, the existing steam boiler must be converted to hot water.	\$3,500	\$700	\$2,800		\$2,800	\$2,800

**PSCP
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(\$000 omitted)**

Maryland School for the Blind

FY 14 CIP - ACI Requests	<u>\$394</u>		<u>Requested</u>	<u>Approved</u>	<u>Deferred</u>	<u>Denied</u>
FY 14 CIP - ACI Allocation	<u>\$394</u>	Systemic Renovation - ACI	<u>2</u>	<u>2</u>	<u>0</u>	<u>0</u>
		Total	<u>2</u>	<u>2</u>	<u>0</u>	<u>0</u>

PSC#	LEA PRI#	SCHOOL/PROJECT	DESCRIPTION	TOTAL EST COST	LEA FUNDING	NET STATE FUNDING	PRIOR STATE FUNDING	LEA REQUEST	STATE ALLOC
25.001	1	Knefely Gymnasium Air Conditioning - Gym	A <u>Approval</u> to provide air conditioning, including related wiring, power upgrades, and air distribution to the 1954/1959 gymnasium.	\$211	\$15	\$196		\$196	\$196
25.001	2	Sippel Pool Air Conditioning	A <u>Approval</u> to provide air conditioning, including related wiring, power upgrades, air distribution, and ceiling repairs to the 1976 pool.	\$213	\$15	\$198		\$198	\$198