

Massachusetts School Building Authority

Deborah B. Goldberg, State Treasurer and Receiver-General

Chairperson

James MacDonald

Chief Executive Officer

Jack McCarthy

Executive Director



Board Meeting

December 12, 2018



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Project Votes



Invitation to Eligibility Period | **Vote**

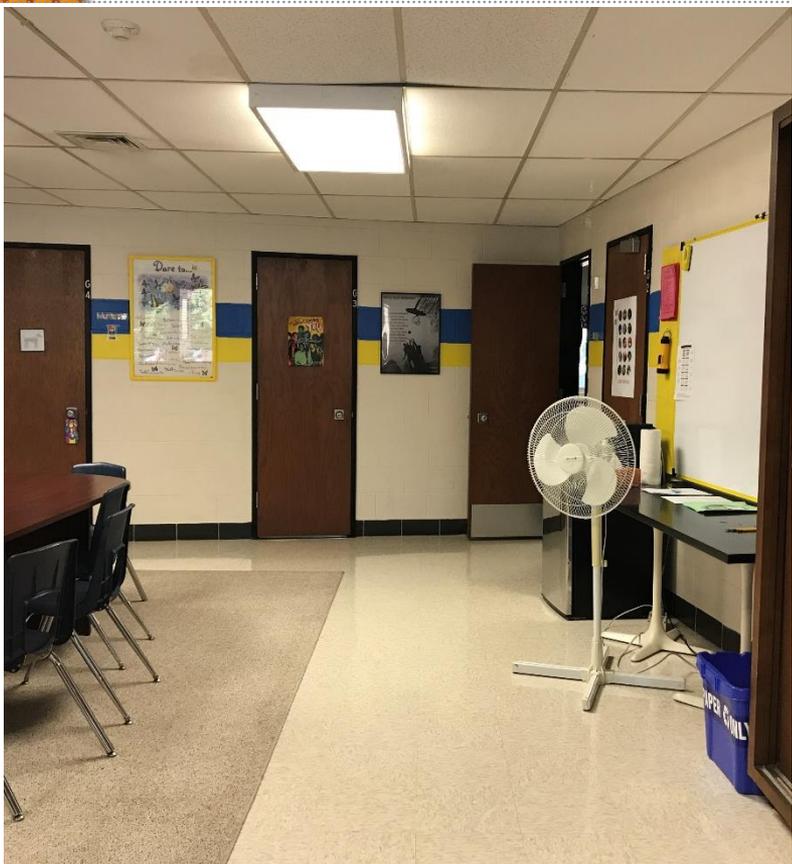
District	School
Brookline	John R. Pierce School
Haverhill	Dr. Albert B. Consentino School
Hull	Hull Memorial Middle School
Norwood	Dr. Philip O. Coakley Middle School
Peabody	William A. Welch Elementary School
Revere	Revere High School
Spencer-East Brookfield Regional School District	David Prouty High School
Stoneham	Stoneham High School
Tyngsborough	Tyngsborough Middle School
Walpole	Bird Middle School
Webster	Bartlett Junior/Senior High School
Westfield	Franklin Avenue Elementary School



2018 SOIs























Invitation to Feasibility Study | Vote

District	School
Andover	West Elementary School
Groton-Dunstable Regional School District	Florence Roche School
Medfield	Dale Street Elementary School
Watertown	Watertown High School



Project Scope and Budget | **Vote**

District	School	Project Scope	Total Project Budget	Estimated Maximum Total Facilities Grant
Danvers	Ivan G. Smith Elementary School	New	\$52,000,000	\$19,842,384
Dennis-Yarmouth Regional School District	Mattacheese Middle School	New	\$116,978,831	\$44,366,565
Wareham	Minot Forest Elementary School	New	\$90,474,182	\$50,841,225
Total			\$259,453,013	\$115,050,174



Project Scope and Budget | Danvers

Ivan G. Smith Elementary School

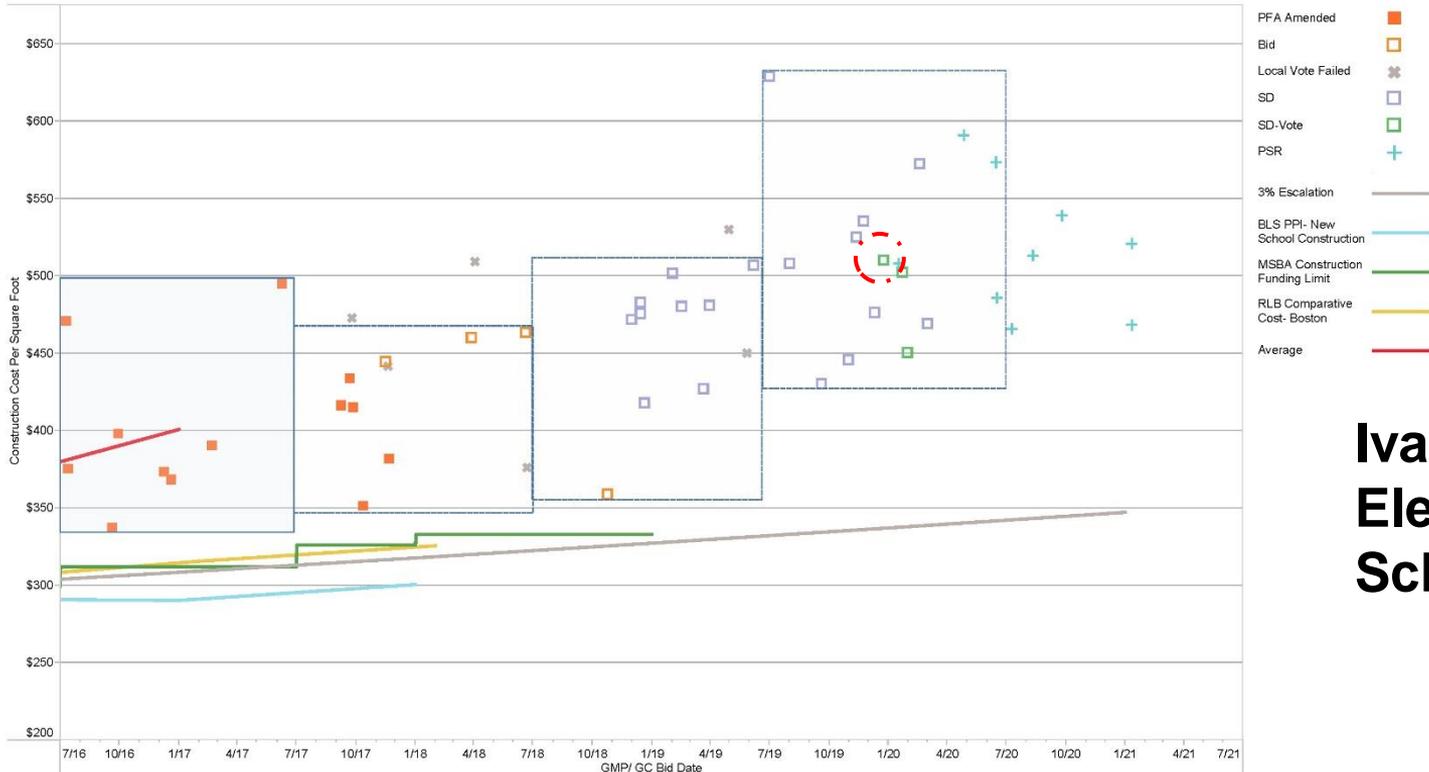
- Year Opened: 1975
- Current Grade Configuration: K-5
- Agreed Upon Grade Configuration: K-5
- Agreed Upon Enrollment: 465 students
- Scope of Project: New Construction on existing site
- Existing Square Footage: 44,021 GSF
- Proposed Square Footage: 82,728 GSF
- District Total Project Budget: \$52,000,000
- Estimated Basis Total Facilities Grant: \$35,777,829
- Reimbursement Rate*: 55.46%
- Estimated Maximum Total Facilities Grant: \$19,842,384

** Subject to the District's actual use of that construction delivery method for the Proposed Project, the MSBA has provisionally included one (1) incentive point. In addition, subject to the District's intention to meet certain energy efficiency sustainability requirements for the Proposed Project, the MSBA has also provisionally included two (2) incentive points. If the District does not ultimately qualify for some or all of these incentive points the MSBA will adjust the District's reimbursement rate, accordingly.*



Project Scope and Budget | Danvers

School Construction Costs Compared to Common Economic Indicators



**Ivan G. Smith
Elementary
School**



Project Scope and Budget | Danvers

Ivan G. Smith Elementary School





Project Scope and Budget | Danvers

Ivan G. Smith Elementary School





Project Scope and Budget | Dennis-Yarmouth Regional School District

Mattacheese Middle School

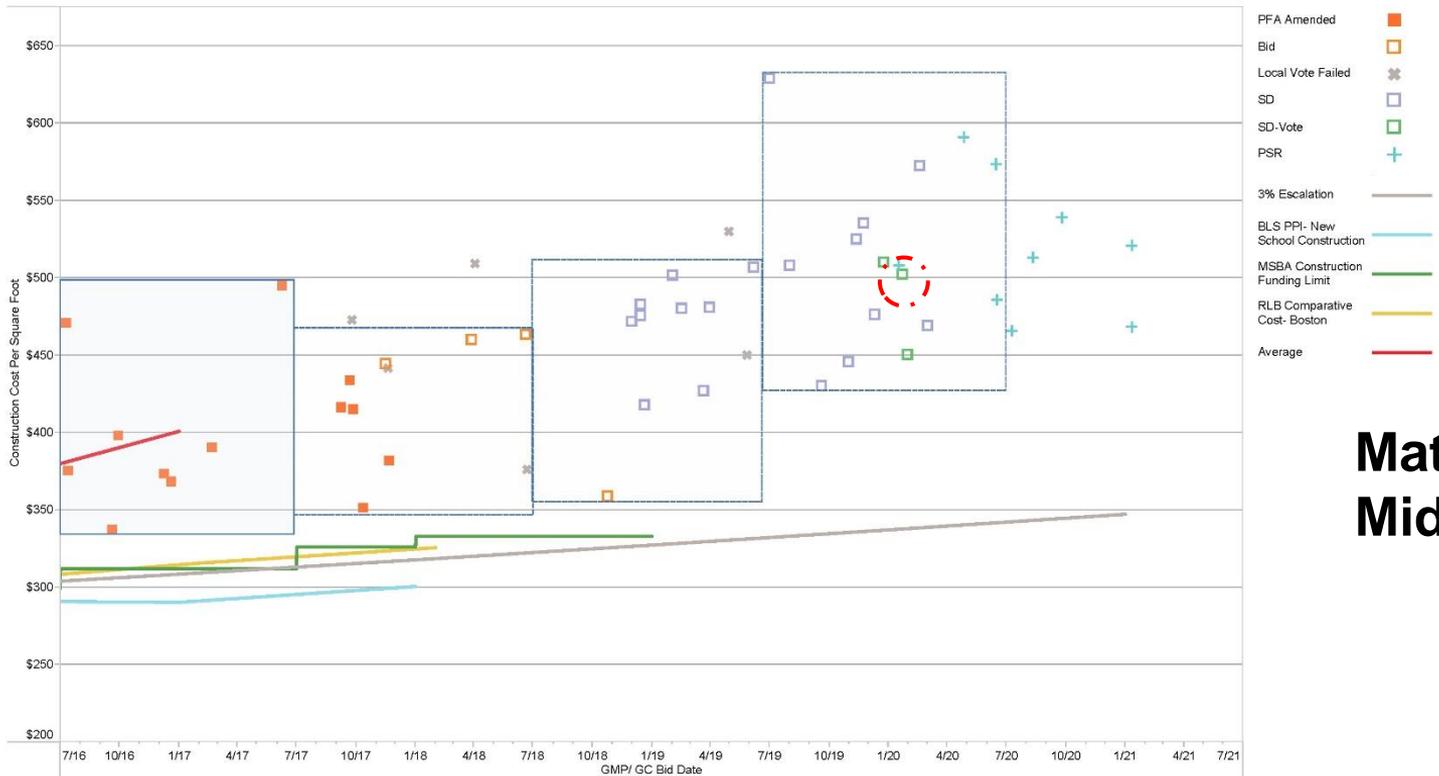
- Year Opened: 1969
- Current Grade Configuration: 6-7
- Agreed Upon Grade Configuration: 4-7
- Agreed Upon Enrollment: 940 students
- Scope of Project: New Construction to replace existing Mattacheese Middle School and Wixon Innovation School on the Station Avenue site
- Existing Square Footage: 122,207 GSF
- Proposed Square Footage: 186,500 GSF
- District Total Project Budget: \$116,978,831
- Estimated Basis Total Facilities Grant: \$76,946,023
- Reimbursement Rate*: 57.68%
- Estimated Maximum Total Facilities Grant: \$44,366,565

** The MSBA has provisionally included two (2) incentive points for energy efficiency, subject to the District meeting certain sustainability requirements for the project. If the District does not meet the requirements for the energy efficiency, the District will not qualify for these incentive points, and the MSBA will adjust the reimbursement rate accordingly.*



Project Scope and Budget | Dennis-Yarmouth Regional School District

School Construction Costs Compared to Common Economic Indicators



Mattacheese Middle School



Project Scope and Budget | Dennis-Yarmouth Regional School District

Mattacheese Middle School





Project Scope and Budget | Wareham

Minot Forest Elementary School

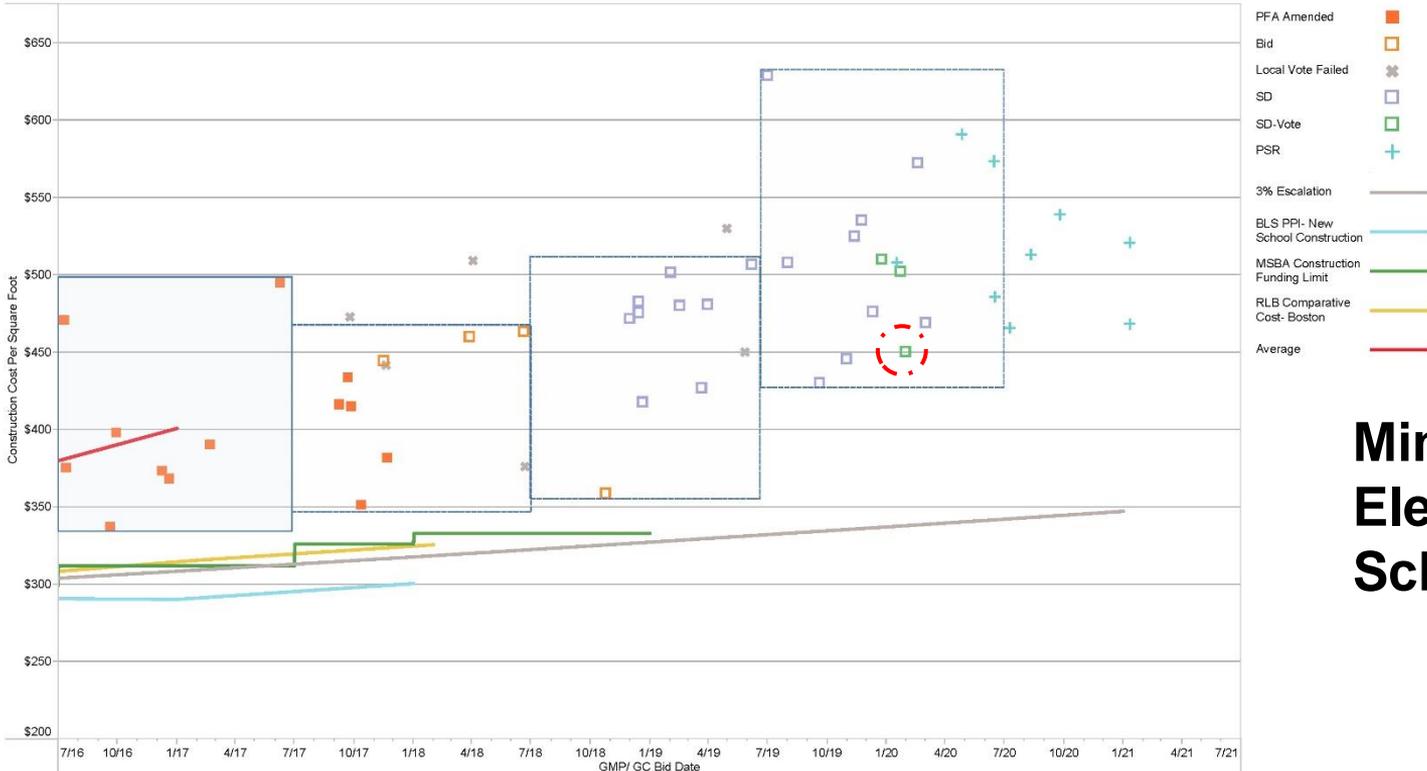
- Year Opened: 1966
- Current Grade Configuration: PK; 3-4
- Agreed Upon Grade Configuration: PK-4
- Agreed Upon Enrollment: 1,020 students
- Scope of Project: New Construction to replace existing Minot Forest and John Williams Decas Elementary Schools on existing Minot Forest Elementary School site
- Existing Square Footage: 63,515 GSF
- Proposed Square Footage: 159,989 GSF
- District Total Project Budget: \$90,474,182
- Estimated Basis Total Facilities Grant: \$68,874,835
- Reimbursement Rate*: 74.98%
- Estimated Maximum Total Facilities Grant: \$50,841,225

** The MSBA has provisionally included two (2) incentive points for energy efficiency, subject to the District meeting certain sustainability requirements for the project. If the District does not meet the requirements for the energy efficiency, the District will not qualify for these incentive points, and the MSBA will adjust the reimbursement rate accordingly.*



Project Scope and Budget | Wareham

School Construction Costs Compared to Common Economic Indicators



Minot Forest Elementary School



Project Scope and Budget | Wareham

Minot Forest Elementary School





Audit Update

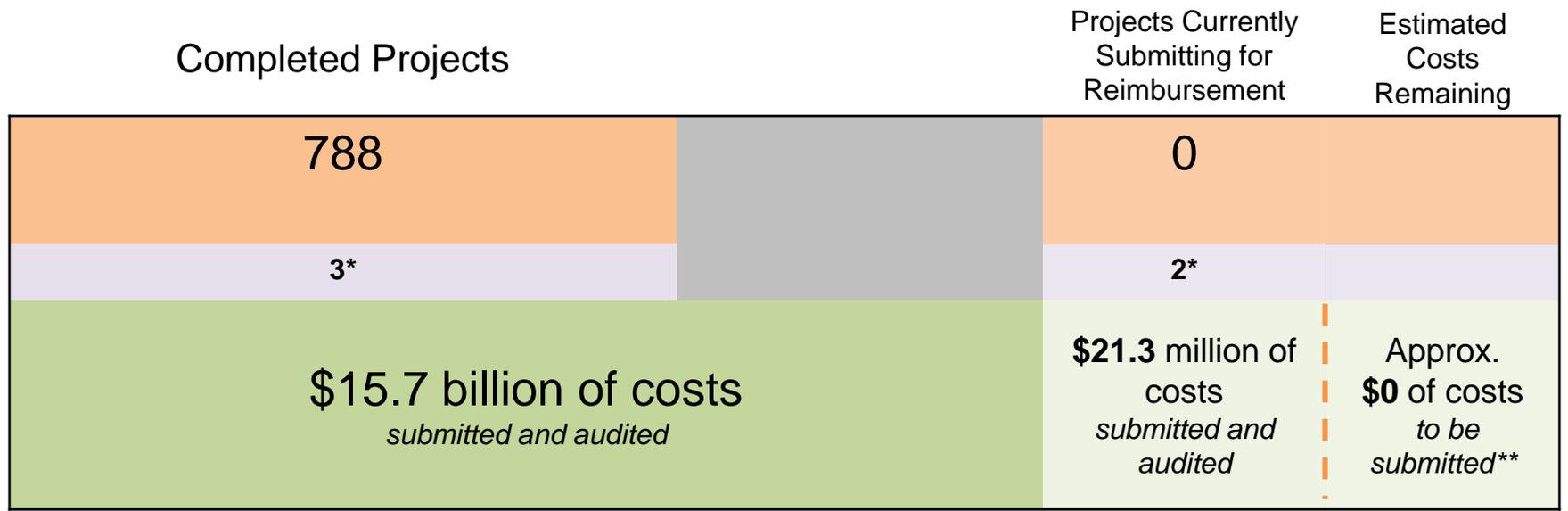
- **Audit Status Report**
- Approval of Final Audits with no appeals, Capital Pipeline Program MSBA grants | Vote



Audit Status Update

Former Program

■ Today's Vote



* Grant Conversion

** Estimated based on Total Project Budgets from executed funding and submitted costs as of December 6, 2018.



Audit Status Update

Capital Pipeline Program

■ Today's Vote

Completed Projects

Projects Currently Have Executed FSA and PFA

Estimated Costs Remaining



*Estimated based on Total Project Budgets from executed funding agreements and submitted costs as of December 6, 2018.

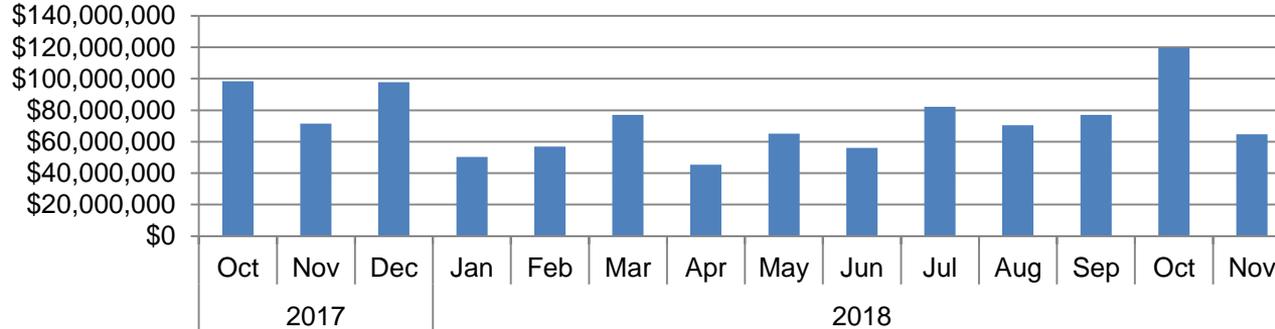


Capital Pipeline Program | Monthly Audited Project Costs

Rolling 12 month submitted costs monthly average of \$71.9 million

Total 12 Month Audited Costs = \$863 million

Capital Pipeline Program Monthly Audited Project Costs





Audit Update

- Audit Status Report
- **Approval of Final Audits with no appeals, Capital Pipeline Program MSBA grants | Vote**



Capital Pipeline Program | Closeout Audits

Today's Vote: December 12, 2018 Approval of Final Audits

	MSBA ID	District Name	School Name	Project Scope	MSBA CX	Reimb. Rate	Total Project Budget	Final Costs Submitted	Basis for Final Total Facilities Grant	Authorized Grant for Cap Reconciliation	Final Total Facilities Grant	Grant Reconciliation FY	Additional Savings in Final Audit Grant for Cap Reconciliation
1	200906150020	Athol-Royalston Regional School District	Athol Community (f/k/a Riverbend) Elementary School	New Construction	X	80.00%	\$43,931,363	\$40,071,652	\$32,392,101	\$27,651,620	\$25,913,681	FY 14	\$1,737,939
2	201600170015	Town of Auburn	Pakachoag Elementary School	Roof	X	54.16%	\$958,492	\$829,341	\$676,891	\$448,433	\$366,604	ARP FY 17	\$81,829
3	201501510505	Leicester Public Schools	Leicester High School	Roof	X	59.21%	\$2,529,730	\$1,681,752	\$1,651,906	\$1,497,853	\$978,094	ARP FY 16	\$519,759
4	200902740111E	City of Somerville	East Somerville Community Elementary School	Renovation	X	80.00%	\$39,095,669	\$38,756,583	\$18,562,514	\$15,273,879	\$14,850,011	FY 11	\$423,868
5	201402810328	City of Springfield	John F Kennedy Middle School	Windows / Doors	X	80.00%	\$4,487,803	\$4,219,948	\$2,672,863	\$2,192,360	\$2,138,290	ARP FY 15	\$54,070
6	201402810110	City of Springfield	Kensington Avenue Elementary School	Windows / Doors	X	80.00%	\$1,222,828	\$1,091,239	\$951,572	\$784,482	\$761,258	ARP FY 15	\$23,224
7	201502960005	Tisbury Public Schools	Tisbury Elementary School	New Construction	N/A	41.26%	\$825,000	\$818,810	\$808,397	\$340,395	\$333,545	FY 16	\$6,850
8	201303260025	Westford Public Schools	Colonel John Robinson Elementary School	Windows / Doors	X	45.95%	\$1,743,454	\$1,639,432	\$1,062,454	\$739,817	\$488,198	ARP FY 14	\$251,619
9	201303260007	Westford Public Schools	Norman E Day Elementary School	Windows / Doors	X	45.95%	\$2,637,256	\$2,574,909	\$1,785,554	\$856,651	\$820,462	ARP FY 14	\$36,189
						TOTAL	\$97,431,595	\$91,683,666	\$60,564,252	\$49,785,490	\$46,650,142		\$3,135,348



MSBA Updates

- **Executive Director's Report**
- Project Status Updates
 - Project Overview Report
 - Review of Best Practices for K-12 STEM Learning Spaces | Update



Project Visits and Local Votes

- Since the October 31 Board meeting, the MSBA has visited 19 projects.
- 9 Districts have voted affirmatively to appropriate full project funds or feasibility study funds as of December 7, 2018.

Project Visits		Local Votes	
Billerica	Mt. Greylock	Feasibility Study Funds	Full Project Funds
Blue Hills	Narragansett	Watertown	Shrewsbury
Bourne	Needham	Lawrence, Leahy ES	Northbridge
Braintree	Newton	Additional Feasibility Study Funds	Wareham
Chelsea	Quincy	Holyoke	Manchester-Essex
Dedham	Saugus		Belmont
Hanover	Somerville		Dennis-Yarmouth
Lexington	Stoughton		
Millis	Triton		
Minuteman			



Project Visits

Upcoming site visits anticipated in December, January, and February:

Project Visits	
Beverly	Minuteman
Blue Hills	Mt. Greylock
Bourne	Narragansett
Billerica	Newton
Braintree	Saugus
Dedham	Somerville
Lexington	Stoughton
Millis	Triton



Project Milestone Ceremonies

Fall River:

BMC Durfee High School
Groundbreaking Ceremony

Lexington:

Maria Hastings Elementary School
Topping Off Ceremony

Woburn:

Hurld Wyman Elementary School
Ribbon Cutting Ceremony





Outreach

Meetings with Districts

- Meeting with Town of Weymouth

Other Meetings:

- Ed Spaces Presentation (Tampa, FL)
- New England Municipal Officials Conference (Stow, MA)
- Trash to Treasure: Responsible Management of Surplus School Furniture (Weston, MA)
- MSBA Contractor Roundtable





MSBA Updates

- Executive Director's Report
- **Project Status Updates**
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Summary of Bid Data

Year	Number of Projects	Design Basis for Enrollment	Project Budget	Construction Budget
2018	11	8,973	\$1.12 billion	\$901 million
2019	16	13,755	\$1.66 billion	\$1.34 billion
2020	3	4,570	\$653 million	\$539 million
Totals	30	27,298	\$3.43 billion	\$2.78 billion

Note: These numbers are based on preliminary information received from the District and are subject to further review and calculation.

Anticipated Bids in December, January, February, and March:

- December – Lexington (CMR), Saugus (CMR), Somerville (CMR)
- January – Taunton (DBB), Middleborough (DBB)
- February – None
- March – Natick (DBB), Westport (DBB)



Core Program

Construction Estimate vs. 2018 Bid Amount

- Of the 11 bids and/or executions of a GMP in 2018, eight have been reported to date.
- All eight reported bids came in within the estimated budget.

District	School	Scope	Project Type	Bid Date	Construction Estimate *	Bid Amount *	Variance from Construction Estimate	Reim. Rate	Potential Grant Variance **
Millis	Clyde F Brown ES	New	CMR	2/26/2018	\$42,691,393	\$41,340,039	-\$1,351,354	57.27%	-\$773,920
Triton	Pine Grove ES	Add/Reno	CMR	4/9/2018	\$30,392,649	\$30,392,649	\$0	50.46%	\$0
Blue Hills Voc	Blue Hills Reg Voc Tech	Add/Reno	CMR	5/31/2018	\$70,690,857	\$70,690,856	-\$1	55.89%	\$1
Newton	Cabot ES	Add/Reno	CMR	6/1/2018	\$36,815,776	\$36,526,038	-\$289,738	40.22%	-\$116,533
Minuteman VRSD	Minuteman RHS	New	CMR	6/18/2018	\$119,620,892	\$119,450,892	-\$170,000	44.75%	-\$76,075
Braintree	Braintree East MS	Add/Reno	CMR	6/27/2018	\$67,886,699	\$66,424,396	-\$1,462,303	57.98%	-\$847,843
Marlborough	Marlborough ES (Richer ES)	New	DBB	10/24/2018	\$47,831,946	\$40,032,000	-\$7,799,946	67.71%	-\$5,281,343
Cape Cod Region Voc Tech	Cape Cod Region Voc Tech	New	DBB	11/20/2018	\$104,223,800	\$91,376,000	-\$12,847,800	45.45%	-\$5,839,325
Total					\$520,154,012	\$496,232,870	-\$23,921,142	-	-\$12,935,040

*The construction estimate and bid amount include pre-construction services and alternatives.

**These numbers are based on preliminary information received from the district and are subject to further review and calculation.



Construction Estimate vs. 2018 Bid Amount

2017 Accelerated Repair Program

- 9 of the 11 reported projects bid within the estimated budget
- 11 projects are anticipated to bid by the February Board of Directors meeting



MSBA Updates

- Executive Director's Report
- **Project Status Updates**
 - Project Overview Report
 - **Review of Best Practices for K-12 STEM Learning Spaces | Update**



K-12 STEM Spaces - Outcomes

- Evaluated the spectrum of room types, sizes, and usage patterns that are appropriate for K-8 based on MA STEM curriculum frameworks
- Considered various approaches to providing STEM education learning spaces
- Explored important design decisions regarding the outfitting and safety of these rooms
- Reviewed the safety needs, policies, and staff professional development that should be in place for effective and safe operation of hands-on STEM learning



Finance Update

- **Sales Tax Collections | Update**
- Grant Payments | Update
- FY19 Budget | Update



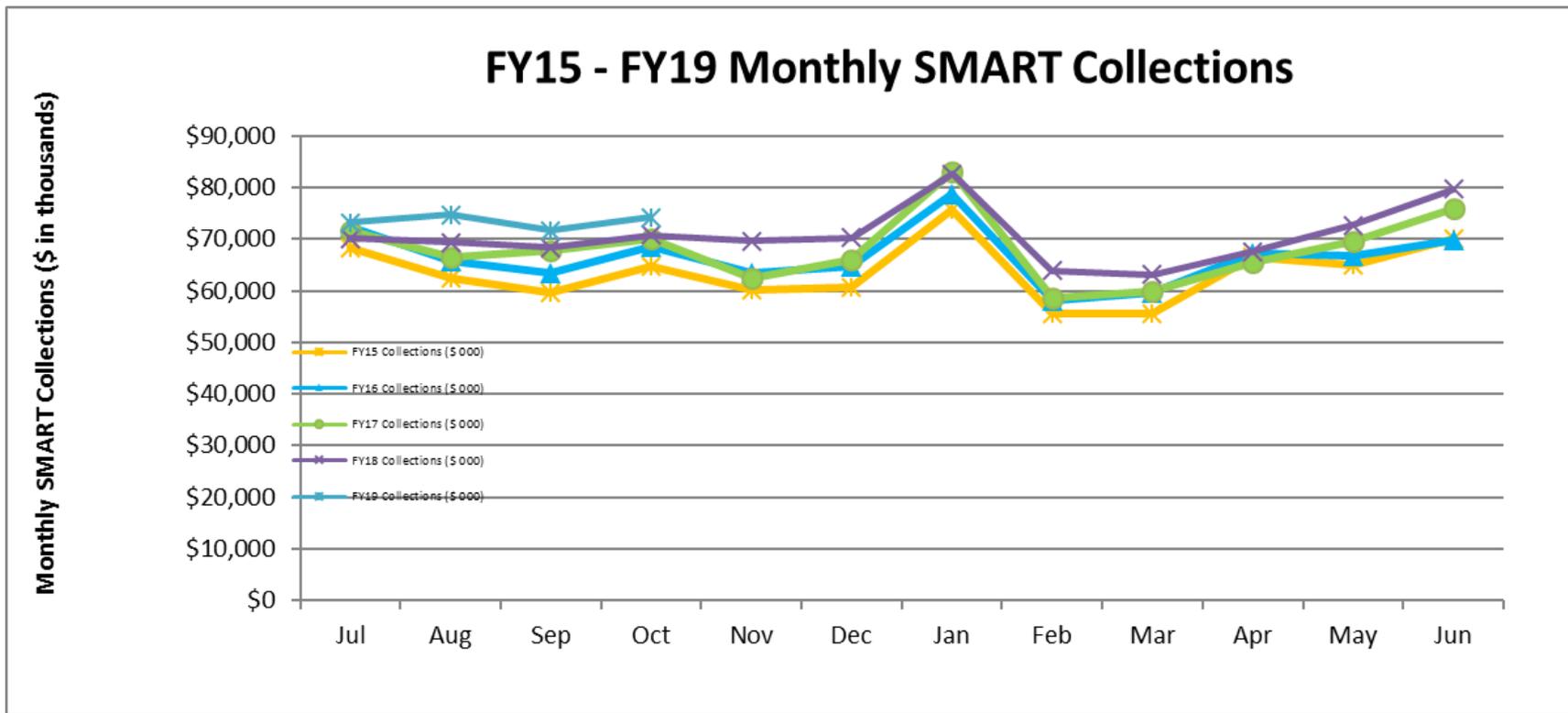
FY19 SMART Collections Update

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	YTD
FY16 (\$ 000)	72,473	65,832	63,453	68,475	63,558	64,618	78,727	58,102	59,541	67,146	66,751	69,856	798,531
FY17 (\$ 000)	71,513	66,555	67,659	70,041	62,532	65,937	82,948	58,672	59,943	65,555	69,626	75,810	816,790
FY18 (\$ 000)	70,162	69,429	68,315	70,763	69,656	70,206	82,641	63,910	63,067	67,530	72,669	79,632	847,979
Change (\$ 000)	(1,350)	2,875	656	723	7,123	4,268	(307)	5,238	3,125	1,975	3,043	3,822	31,190
% Change	-1.89%	4.32%	0.97%	1.03%	11.39%	6.47%	-0.37%	8.93%	5.21%	3.01%	4.37%	5.04%	3.82%
FY19 (\$ 000)	73,165	74,677	71,612	74,205									293,658
Change (\$ 000)	3,003	5,248	3,297	3,441									14,989
% Change	4.28%	7.56%	4.83%	4.86%									5.38%

- FY 19 Consensus Revenue Estimate of \$858.9 million would represent growth of 1.29% over the FY 18 unaudited amount
-
- FY 19 collections through October 2018 are \$14.989 million (5.38%) higher than FY18 collections during the same period

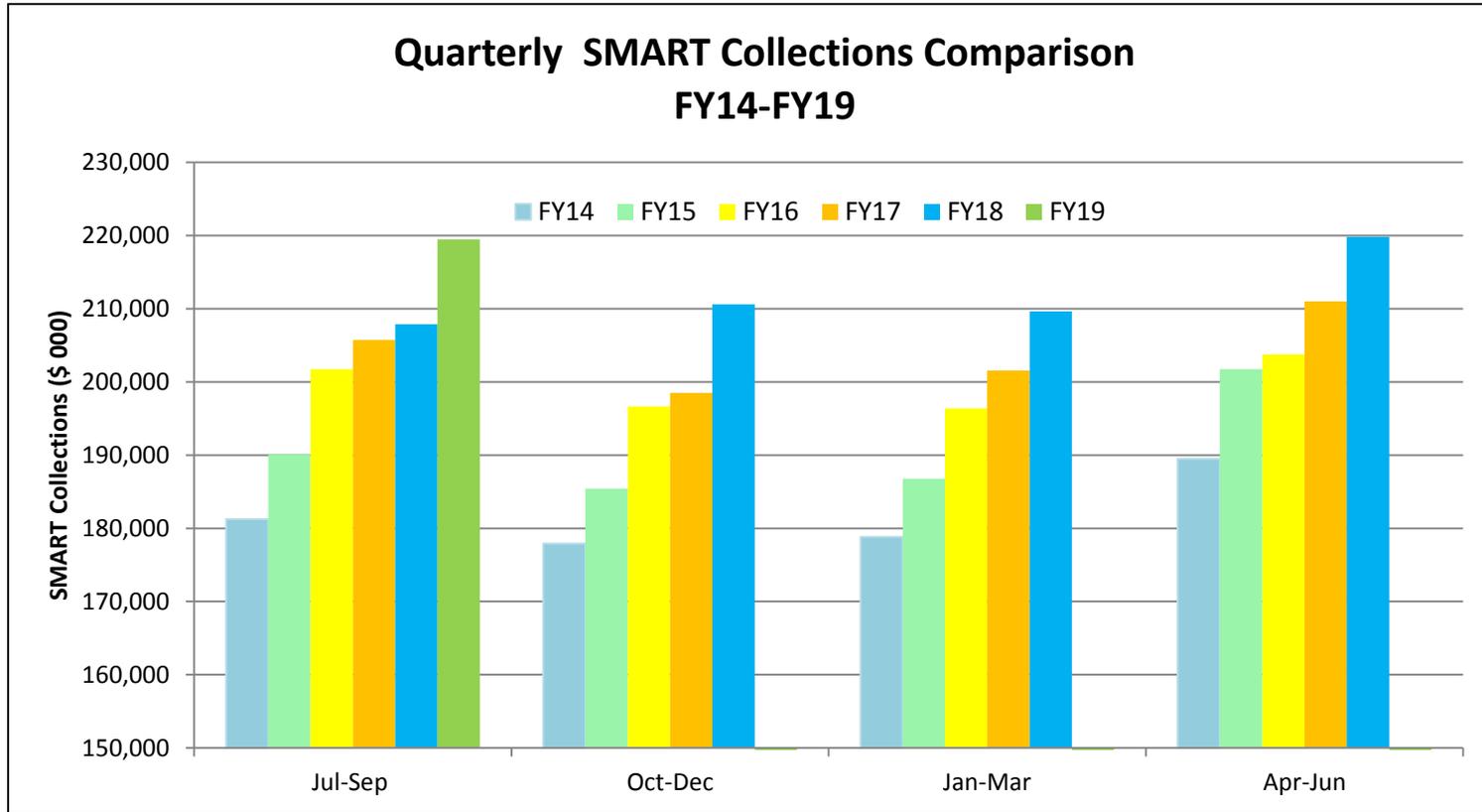


FY 2019 SMART Collections Update



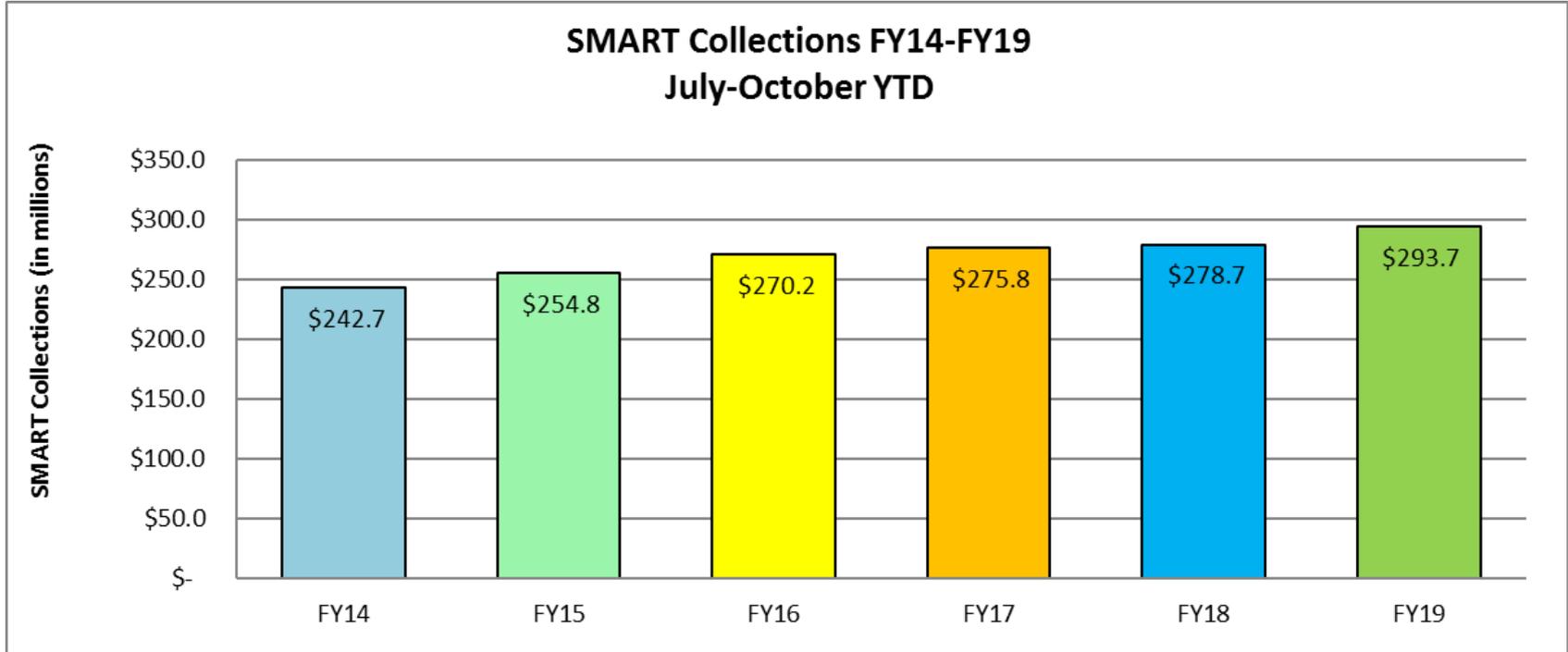


Quarterly SMART Collections





SMART Collections Year To Date





Finance Update

- Sales Tax Collections | Update
- **Grant Payments | Update**
- FY19 Budget | Update



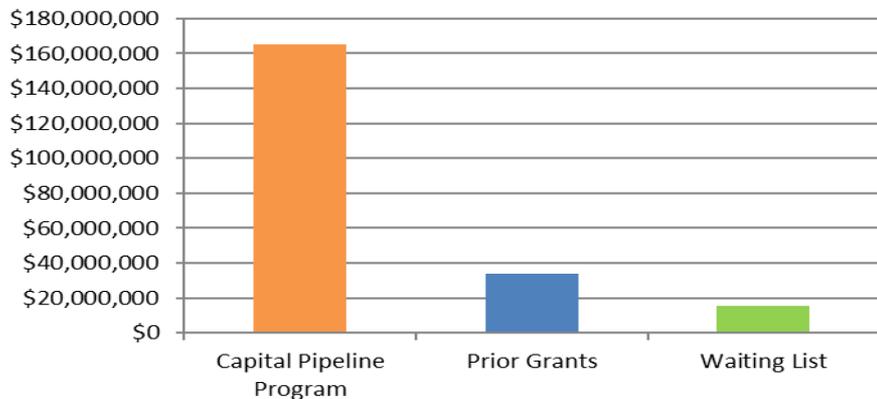
Grant Payments | FY2019 YTD Update

FY2019 YTD Grant Payments Summary*

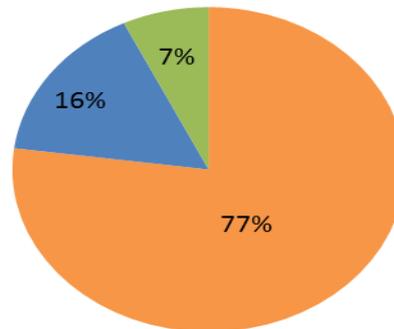
Program	Grant Payments	# Projects	# Districts	% of FY19 Payments
Capital Pipeline Program	\$ 165,022,880	125	95	77%
Prior Grants	\$ 33,809,510	40	33	16%
Waiting List	\$ 15,220,435	26	19	7%
Total	\$ 214,052,825	191	130	

*Reflects grant payment data as of November 21, 2018.

FY2019 Grant Payments - YTD by Program



FY2019 Grant Payments - YTD % by Program





Finance Update

- Sales Tax Collections | Update
- Grant Payments | Update
- **FY19 Budget | Update**



FY19 Budget Update

Administrative Operations and Grant Programs Budget - Attachment A

Expense Category	FY17 Expenditures 7/1-6/30	FY 18 Budget*	FY18 Expenditures 7/1-6/30	Variance to FY18 Budget	% FY18 Budget	FY 19 Budget	FY19 YTD Expenditures 7/1-11/26	Variance to FY19 Budget	% FY19 Budget
Administrative Expense Budget									
Salaries & Benefits ^[1]	5,937,029	7,426,770	6,566,944	(859,826)	88.4%	7,923,758	2,770,159	(5,153,598)	35.0%
General & Administrative Office Expenses ^[2]	317,332	383,001	378,950	(4,051)	98.9%	402,840	114,096	(288,744)	28.3%
Occupancy & Utilities ^[3]	1,117,289	1,160,707	1,133,911	(26,796)	97.7%	1,172,895	520,798	(652,097)	44.4%
Consulting & Professional Support Services ^[4]	181,293	227,500	137,105	(90,395)	60.3%	331,600	131,475	(200,125)	39.6%
Information Technology ^[5]	203,235	267,480	132,275	(135,205)	49.5%	271,530	47,575	(223,954)	17.5%
Total Administrative Expense Budget^[6]	7,756,178	9,465,458	8,349,184	(1,116,274)	88.2%	10,102,622	3,584,104	(6,518,518)	35.5%
Other Post Employment Benefits (OPEB)^[7]	100,000	500,000	500,000	0	100.0%	100,000	100,000	0	100.0%
Capital Pipeline Professional Support Services & Issuance Related Costs									
Project Related Professional Support Services ^[8]	5,401,285	5,020,000	3,098,402	(1,921,598)	61.7%	4,950,000	1,069,952	(3,880,048)	21.6%
Cost of Issuance ^[9]	2,589,507	3,250,000	2,298,577	(951,423)	70.7%	1,000,000	444,171	(555,829)	44.4%
Total Capital Pipeline Program Professional Support Services	7,990,792	8,270,000	5,396,979	(2,873,021)	65.3%	5,950,000	1,514,122	(4,435,878)	25.4%
Arbitrage Rebate^[10]	950,122	250,000	0	(250,000)	0.0%	1,000,000	0	(1,000,000)	0.0%
Grant Program									
Prior Grants ^[11]	202,188,971	171,154,798	131,154,798	(40,000,000)	76.6%	139,087,058	33,809,510	(105,277,548)	24.3%
Waiting List ^[12]	21,435,992	26,185,431	17,134,055	(9,051,376)	65.4%	17,912,702	15,220,435	(2,692,267)	85.0%
Capital Pipeline Program Grants ^[13]	388,740,197	506,126,869	409,022,154	(97,104,715)	80.8%	500,074,771	165,132,653	(334,942,118)	33.0%
Total Grant Program	612,365,160	703,467,098	557,311,007	(146,156,091)	79.2%	657,074,531	214,162,598	(442,911,933)	32.6%
Loan Program Disbursements^[14]	0	10,000,000	0	(10,000,000)	0.0%	10,000,000	0	(10,000,000)	0.0%
Grand Total - Operating Budget	629,162,252	731,952,556	571,557,170	(160,395,386)	78.1%	684,227,153	219,360,824	(464,866,329)	32.1%



Capital Pipeline Professional Support Services Detail

Capital Pipeline Professional Support Services - Attachment B

	FY17 Expenditures 7/1-6/30	FY 18 Budget	FY18 Expenditures 7/1-06/30	% FY18 Budget	FY 19 Budget	FY19 YTD Expenditures 7/1-11/26	Variance to FY19 Budget	% FY19 Budget
Commissioning Consultants ^[1]	2,614,790	3,400,000	2,631,113	77.4%	3,200,000	830,742	(2,369,258)	26.0%
Project Management Services ^[2]	492,938	130,000	39,815	30.6%	0	0	0	n/a
Architectural Services ^[3]	483,525	840,000	341,775	40.7%	650,000	239,210	(410,790)	36.8%
Capital Program Information Systems ^[4]	0	200,000	0	0.0%	500,000	0	(500,000)	0.0%
School Survey ^[5]	1,810,032	100,000	85,699	85.7%	100,000	0	(100,000)	0.0%
Other - Post Occupancy Survey ^[6]	0	350,000	0	0.0%	500,000	0	(500,000)	0.0%
Legal ^[7]	0	0	0	n/a	0	0	0	n/a
Capital Program Support Services	5,401,285	5,020,000	3,098,402	61.7%	4,950,000	1,069,952	(3,880,048)	21.6%



Fiscal Year 2019 Expenditure Charts

