The Commonwealth of Massachusetts
Portfolio of General Obligation Variable Rate Bonds
As of **10/31/2017**

Summary of Outstanding Variable Rate Debt	
Auction Rate Securities	$401,500,000
CPI Bonds	$99,510,000
Direct Purchase	$896,540,000
LIBOR Index Floaters	$843,115,000
PUT	$400,000,000
SIFMA Index Floaters	$288,490,000
Variable Rate Demand Bonds	$576,405,000
Total Per Outstanding	**$3,505,560,000**

	2000 Series A Ted Williams Tunnel Bonds	**2000 Series B** Ted Williams Tunnel Bonds	**2000 Series D** Auction Rate Securities	**2000 Series E** Auction Rate Securities	**2000 Series F** Auction Rate Securities	**20000 Series G** Auction Rate Securities	**2001 Series B** Refunding Bonds	**2001 Series C** Refunding Bonds	**2006 Series A**
Dated/Delivery Date	12/7/2000	12/7/2000	12/13/2000	12/13/2000	12/13/2000	12/13/2000	2/20/2001	2/20/2001	3/3/2006
Mandatory Tender Date	4/24/2018	4/24/2018	N/A	N/A	N/A	N/A		1/1/2021	
Final Maturity	12/1/2030	12/1/2030	12/1/2030	12/1/2030	12/1/2030	12/1/2030	1/1/2021	1/1/2021	3/1/2026
Original Par	$200,000,000	$75,590,000	$100,000,000	$100,000,000	$100,000,000	$101,500,000	$248,110,000	$248,115,000	$150,000,000
Outstanding Par	$200,000,000	$75,590,000	$100,000,000	$100,000,000	$100,000,000	$101,500,000	$163,935,000	$163,935,000	$136,880,000
Variable Rate Information									
Type	VRDB	VRDB	ARS	ARS	ARS	ARS	Direct Purchase	VRDB	VRDB
Insurer	N/A	N/A	FGIC	FGIC	FGIC	FGIC	N/A	N/A	N/A
Remarketing Agent/ Broker-Dealer	BAML	BAML	Loop Capital Markets	Loop Capital Markets	Piper Jaffray	Piper Jaffray	N/A	Morgan Stanley	JP Morgan
Bank Facility	Citibank	BAML	N/A	N/A	N/A	N/A	TD Bank	Barclays	Barclays
Re-set Period	Weekly- Wed	Daily	Weekly - Tues	Weekly - Wed	Weekly - Fri	Weekly - Mon	Weekly - Wed	Weekly - Wed	Daily
Pay Period	Monthly	Monthly	Weekly	Weekly	Weekly	Weekly	Monthly	Monthly	Monthly
Swapped/ Unhedged	Partially Swapped to Fixed	Unhedged	Unhedged	Unhedged	Unhedged	Unhedged	Swapped to Fixed	Swapped to Fixed	Unhedged
Swap Counterparty	Merrill Lynch / JPMorgan	N/A	N/A	N/A	N/A	N/A	Morgan Stanley	Morgan Stanley	N/A
Type of Swap	SIFMA	N/A	N/A	N/A	N/A	N/A	Cost of Funds	Cost of Funds	N/A
Swap Pay Period	Monthly	N/A	N/A	N/A	N/A	N/A	Monthly	Monthly	N/A

	2006 Series B1 and B2	**2006 Series C** Refunding Bonds	**2007 Series A**	**2007 Series A** Refunding Bonds	**2012 Series D**	**2015 Series B** Refunding Bonds	**2015 Series C** Refunding Bonds	**2016 Series B**	**2016 Series C**
Dated/Delivery Date	5/5/2016	3/29/2006	5/30/2007	5/30/2007	12/12/2012	12/23/2015	12/23/2015	5/10/2016	5/12/2016
Mandatory Tender Date	5/31/2019	N/A	N/A	N/A	N/A	2/1/2018	2/1/2019	4/1/2021	4/1/2021
Final Maturity	3/1/2026	11/1/2020	5/1/2037	11/1/2025	1/1/2018	2/1/2018	2/1/2019	4/1/2036	4/1/2046
Original Par	$200,000,000	$100,000,000	$400,000,000	$445,795,000	$325,000,000	$125,000,000	$125,000,000	$100,000,000	$200,000,000
Outstanding Par	$182,605,000	$99,510,000	$397,320,000	$445,795,000	$100,000,000	$125,000,000	$125,000,000	$100,000,000	$200,000,000
Variable Rate Information									
Type	Direct Purchase	CPI Bonds	LIBOR Index Floaters	LIBOR Index Floaters	SIFMA Index Floaters	Direct Purchase	Direct Purchase	Direct Purchase	Direct Purchase
Insurer	N/A	FSA	CIFG / FGIC	N/A	N/A	N/A	N/A	N/A	N/A
Remarketing Agent/ Broker-Dealer	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Bank Facility	BAML	N/A	N/A	N/A	N/A	JP Morgan	JP Morgan	TD Bank	State Street
Re-set Period	N/A	Monthly	Quarterly	Quarterly	Monthly	N/A	N/A	N/A	Weekly - Tues
Pay Period	Monthly	Monthly	Quarterly (2/1, 5/1, 8/1, 11/1)	Quarterly (2/1, 5/1, 8/1, 11/1)	Monthly	Monthly	Monthly	Monthly	Weekly
Swapped/ Unhedged	Swapped to Fixed	Swapped to Fixed	Unhedged	Swapped to Fixed	Unhedged	Swapped to Fixed	Swapped to Fixed	Unhedged	Partially Swapped to Fixed
Swap Counterparty	JP Morgan	Wells Fargo	N/A	Wells Fargo/ BNY	N/A	Wells Fargo	Wells Fargo	N/A	Barclays
Type of Swap	Percent of LIBOR	Cost of Funds	N/A	Cost of Funds	N/A	SIFMA	SIFMA	Percent of LIBOR	Percent of LIBOR
Swap Pay Period	Monthly	Monthly	N/A	Quarterly (2/1, 5/1, 8/1, 11/1)	N/A	Monthly	Monthly	Monthly	Semi-annually (6/15 & 12/15)

effective 5/1/2017- swap termination with Barclays

	2014 Series D (Multi Modal), Subseries D1	**2014 Series D (Multi Modal), Subseries D2**	**2017 Series A** Refunding Bonds	**2017 Series B** Refunding Bonds
Dated/Delivery Date	7/1/2016	8/5/2014	1/4/2017	1/4/2017
Mandatory Tender Date	7/1/2020	8/1/2022	N/A	N/A
Final Maturity	8/1/2043	8/1/2043	2/1/2019	2/1/2020
Original Par	$200,000,000	$200,000,000	$100,000,000	$88,490,000
Outstanding Par	$200,000,000	$200,000,000	$100,000,000	$88,490,000
Variable Rate Information				
Type	Put	Put	SIFMA Index Floaters	SIFMA Index Floaters
Insurer	N/A	N/A	N/A	N/A
Remarketing Agent/ Broker-Dealer	N/A	N/A	N/A	N/A
Bank Facility	N/A	N/A	N/A	N/A
Re-set Period	N/A	N/A	Monthly	Monthly
Pay Period	Semi-Annually	Semi-Annually	Monthly	Monthly
Swapped/ Unhedged	Unhedged	Unhedged	Swapped to Fixed	Swapped to Fixed
Swap Counterparty	N/A	N/A	Wells Fargo	Wells Fargo
Type of Swap	N/A	N/A	SIFMA	SIFMA
Swap Pay Period	N/A	N/A	Monthly	Monthly