

Massachusetts Water Pollution Abatement Trust
Pool 16-2014 Swap
UBWPAD Reamortization
CWS-09-18-A

Original Loan Amount	20,929,326.00	Loan Origination Fee (\$7.5/1000)	0.00
Principal Forgiveness (ARRA)	-	Loan Term (in years)	18
Principal Paid Down	846,612.00	Loan Rate	2.00%
Outstanding Loan Obligation	20,082,714.00	Closing Date	5/30/2014
Remaining Balance	(995,628.18)	First Payment	7/15/2014
Net New Loan Obligation	19,087,085.82		

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
5/30/2014							
7/15/2014	822,127.83	198,338.07	1,020,465.90	14,315.31		1,034,781.21	
1/15/2015		182,649.58	182,649.58	13,698.72		196,348.30	1,231,129.51
7/15/2015	839,995.80	182,649.58	1,022,645.38	13,698.72		1,036,344.10	
1/15/2016		174,249.62	174,249.62	13,068.72		187,318.34	1,223,662.44
7/15/2016	858,252.51	174,249.62	1,032,502.14	13,068.72		1,045,570.86	
1/15/2017		165,667.10	165,667.10	12,425.03		178,092.13	1,223,662.99
7/15/2017	876,904.53	165,667.10	1,042,571.63	12,425.03		1,054,996.66	
1/15/2018		156,898.05	156,898.05	11,767.35		168,665.41	1,223,662.07
7/15/2018	895,963.40	156,898.05	1,052,861.45	11,767.35		1,064,628.81	
1/15/2019		147,938.42	147,938.42	11,095.38		159,033.80	1,223,662.61
7/15/2019	915,435.67	147,938.42	1,063,374.09	11,095.38		1,074,469.47	
1/15/2020		138,784.06	138,784.06	10,408.80		149,192.87	1,223,662.33
7/15/2020	935,331.86	138,784.06	1,074,115.92	10,408.80		1,084,524.72	
1/15/2021		129,430.74	129,430.74	9,707.31		139,138.05	1,223,662.77
7/15/2021	955,659.49	129,430.74	1,085,090.24	9,707.31		1,094,797.54	
1/15/2022		119,874.15	119,874.15	8,990.56		128,864.71	1,223,662.25
7/15/2022	976,430.08	119,874.15	1,096,304.23	8,990.56		1,105,294.79	
1/15/2023		110,109.85	110,109.85	8,258.24		118,368.08	1,223,662.88
7/15/2023	997,651.12	110,109.85	1,107,760.97	8,258.24		1,116,019.21	
1/15/2024		100,133.34	100,133.34	7,510.00		107,643.34	1,223,662.54
7/15/2024	1,019,334.11	100,133.34	1,119,467.44	7,510.00		1,126,977.44	
1/15/2025		89,939.99	89,939.99	6,745.50		96,685.49	1,223,662.94
7/15/2025	1,041,487.51	89,939.99	1,131,427.51	6,745.50		1,138,173.01	
1/15/2026		79,525.12	79,525.12	5,964.38		85,489.50	1,223,662.51
7/15/2026	1,064,122.80	79,525.12	1,143,647.92	5,964.38		1,149,612.30	
1/15/2027		68,883.89	68,883.89	5,166.29		74,050.18	1,223,662.49
7/15/2027	1,087,250.43	68,883.89	1,156,134.32	5,166.29		1,161,300.61	
1/15/2028		58,011.39	58,011.39	4,350.85		62,362.24	1,223,662.85
7/15/2028	1,110,879.83	58,011.39	1,168,891.22	4,350.85		1,173,242.08	
1/15/2029		46,902.59	46,902.59	3,517.69		50,420.28	1,223,662.36
7/15/2029	1,135,023.45	46,902.59	1,181,926.04	3,517.69		1,185,443.74	
1/15/2030		35,552.35	35,552.35	2,666.43		38,218.78	1,223,662.52
7/15/2030	1,159,691.70	35,552.35	1,195,244.06	2,666.43		1,197,910.48	
1/15/2031		23,955.44	23,955.44	1,796.66		25,752.09	1,223,662.58
7/15/2031	1,184,895.98	23,955.44	1,208,851.42	1,796.66		1,210,648.08	
1/15/2032		12,106.48	12,106.48	907.99		13,014.46	1,223,662.54
7/15/2032	1,210,647.69	12,106.48	1,222,754.17	907.99		1,223,662.16	
							1,223,662.16
	19,087,085.82	3,879,562.36	22,966,648.18	290,407.14		23,257,055.32	23,257,055.32

Massachusetts Water Pollution Abatement Trust
Series 16
UBWPAD Loan Amortization
CWS-09-18-A

Initial Loan Amount	20,929,326.00	Loan Origination Fee (\$5.57/1000)	116,576.35
Principal Forgiveness	-	Loan Term (in years)	20
Net Loan Obligation	20,929,326.00	Loan Rate	2.00%
		Closing Date	6/13/2012
		First Payment	1/15/2013

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
6/13/2012							
1/15/2013		246,500.95	246,500.95	15,696.99	116,576.35	378,774.29	378,774.29
7/15/2013	846,612.00	209,293.26	1,055,905.26	15,696.99		1,071,602.25	
1/15/2014		200,827.14	200,827.14	15,062.04		215,889.18	1,287,491.43
7/15/2014	865,012.00	200,827.14	1,065,839.14	15,062.04		1,080,901.18	
1/15/2015		192,177.02	192,177.02	14,413.28		206,590.30	1,287,491.47
7/15/2015	883,812.00	192,177.02	1,075,989.02	14,413.28		1,090,402.30	
1/15/2016		183,338.90	183,338.90	13,750.42		197,089.32	1,287,491.61
7/15/2016	903,021.00	183,338.90	1,086,359.90	13,750.42		1,100,110.32	
1/15/2017		174,308.69	174,308.69	13,073.15		187,381.84	1,287,492.16
7/15/2017	922,646.00	174,308.69	1,096,954.69	13,073.15		1,110,027.84	
1/15/2018		165,082.23	165,082.23	12,381.17		177,463.40	1,287,491.24
7/15/2018	942,699.00	165,082.23	1,107,781.23	12,381.17		1,120,162.40	
1/15/2019		155,655.24	155,655.24	11,674.14		167,329.38	1,287,491.78
7/15/2019	963,187.00	155,655.24	1,118,842.24	11,674.14		1,130,516.38	
1/15/2020		146,023.37	146,023.37	10,951.75		156,975.12	1,287,491.51
7/15/2020	984,121.00	146,023.37	1,130,144.37	10,951.75		1,141,096.12	
1/15/2021		136,182.16	136,182.16	10,213.66		146,395.82	1,287,491.94
7/15/2021	1,005,509.00	136,182.16	1,141,691.16	10,213.66		1,151,904.82	
1/15/2022		126,127.07	126,127.07	9,459.53		135,586.60	1,287,491.42
7/15/2022	1,027,363.00	126,127.07	1,153,490.07	9,459.53		1,162,949.60	
1/15/2023		115,853.44	115,853.44	8,689.01		124,542.45	1,287,492.05
7/15/2023	1,049,691.00	115,853.44	1,165,544.44	8,689.01		1,174,233.45	
1/15/2024		105,356.53	105,356.53	7,901.74		113,258.27	1,287,491.72
7/15/2024	1,072,505.00	105,356.53	1,177,861.53	7,901.74		1,185,763.27	
1/15/2025		94,631.48	94,631.48	7,097.36		101,728.84	1,287,492.11
7/15/2025	1,095,814.00	94,631.48	1,190,445.48	7,097.36		1,197,542.84	
1/15/2026		83,673.34	83,673.34	6,275.50		89,948.84	1,287,491.68
7/15/2026	1,119,630.00	83,673.34	1,203,303.34	6,275.50		1,209,578.84	
1/15/2027		72,477.04	72,477.04	5,435.78		77,912.82	1,287,491.66
7/15/2027	1,143,964.00	72,477.04	1,216,441.04	5,435.78		1,221,876.82	
1/15/2028		61,037.40	61,037.40	4,577.81		65,615.21	1,287,492.02
7/15/2028	1,168,826.00	61,037.40	1,229,863.40	4,577.81		1,234,441.21	
1/15/2029		49,349.14	49,349.14	3,701.19		53,050.33	1,287,491.53
7/15/2029	1,194,229.00	49,349.14	1,243,578.14	3,701.19		1,247,279.33	
1/15/2030		37,406.85	37,406.85	2,805.51		40,212.36	1,287,491.69
7/15/2030	1,220,184.00	37,406.85	1,257,590.85	2,805.51		1,260,396.36	
1/15/2031		25,205.01	25,205.01	1,890.38		27,095.39	1,287,491.75
7/15/2031	1,246,703.00	25,205.01	1,271,908.01	1,890.38		1,273,798.39	
1/15/2032		12,737.98	12,737.98	955.35		13,693.33	1,287,491.71
7/15/2032	1,273,798.00	12,737.98	1,286,535.98	955.35		1,287,491.33	
1/15/2033							1,287,491.33
	20,929,326.00	4,730,694.27	25,660,020.27	352,011.49	116,576.35	26,128,608.11	26,128,608.11

Notes:

* Notwithstanding the schedule of Loan Repayments set forth above, until the Loan is refinanced with proceeds of bonds to be issued by the Trust interest shall accrue at the Discount Rate set forth in the Loan Agreement only on that portion of the Loan that has been disbursed to or for the account of the Borrower, payable on the date of such refinancing. Thereafter, Loan Repayments shall be payable on the Loan in accordance.

**This project may qualify for principal forgiveness in accordance with schedule B to the Loan Agreement. Principal forgiveness shown on this schedule is an estimate, and is not a guarantee.

Massachusetts Water Pollution Abatement Trust
Pool 15-2012 Swap
UBWPAD Reamortization
CW-06-17-C

Original Loan Amount	22,000,000.00	Loan Origination Fee (\$7.5/1000)	0.00
Principal Forgiveness (ARRA)	-	Loan Term (in years)	28
Principal Paid Down	506,791.00	Loan Rate	2.40%
Outstanding Loan Obligation	21,493,209.00	Closing Date	6/6/2012
Remaining Balance	(167,885.94)	First Payment	7/15/2012
Net New Loan Obligation	21,325,323.06		

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
6/6/2012							
7/15/2012	515,140.73	257,482.01	772,622.74	15,993.99		788,616.73	
1/15/2013		249,722.19	249,722.19	15,607.64		265,329.83	1,053,946.56
7/15/2013	527,648.44	249,722.19	777,370.63	15,607.64		792,978.27	
1/15/2014		243,390.41	243,390.41	15,211.90		258,602.31	1,051,580.58
7/15/2014	540,459.51	243,390.41	783,849.92	15,211.90		799,061.82	
1/15/2015		236,904.89	236,904.89	14,806.56		251,711.45	1,050,773.27
7/15/2015	553,581.87	236,904.89	790,486.76	14,806.56		805,293.31	
1/15/2016		230,261.91	230,261.91	14,391.37		244,653.28	1,049,946.60
7/15/2016	567,022.44	230,261.91	797,284.36	14,391.37		811,675.73	
1/15/2017		223,457.64	223,457.64	13,966.10		237,423.74	1,049,099.47
7/15/2017	580,790.17	223,457.64	804,247.81	13,966.10		818,213.91	
1/15/2018		216,488.16	216,488.16	13,530.51		230,018.67	1,048,232.58
7/15/2018	594,890.96	216,488.16	811,379.12	13,530.51		824,909.63	
1/15/2019		209,349.47	209,349.47	13,084.34		222,433.81	1,047,343.44
7/15/2019	609,334.76	209,349.47	818,684.23	13,084.34		831,768.57	
1/15/2020		202,037.45	202,037.45	12,627.34		214,664.79	1,046,433.36
7/15/2020	624,129.48	202,037.45	826,166.93	12,627.34		838,794.27	
1/15/2021		194,547.90	194,547.90	12,159.24		206,707.14	1,045,501.41
7/15/2021	639,283.04	194,547.90	833,830.93	12,159.24		845,990.18	
1/15/2022		186,876.50	186,876.50	11,679.78		198,556.28	1,044,546.46
7/15/2022	654,804.36	186,876.50	841,680.86	11,679.78		853,360.64	
1/15/2023		179,018.85	179,018.85	11,188.68		190,207.53	1,043,568.16
7/15/2023	670,702.35	179,018.85	849,721.20	11,188.68		860,909.88	
1/15/2024		170,970.42	170,970.42	10,685.65		181,656.07	1,042,565.95
7/15/2024	686,986.94	170,970.42	857,957.36	10,685.65		868,643.01	
1/15/2025		162,726.58	162,726.58	10,170.41		172,896.99	1,041,540.00
7/15/2025	703,666.03	162,726.58	866,392.60	10,170.41		876,563.01	
1/15/2026		154,282.59	154,282.59	9,642.66		163,925.25	1,040,488.27
7/15/2026	720,751.53	154,282.59	875,034.12	9,642.66		884,676.78	
1/15/2027		145,633.57	145,633.57	9,102.10		154,735.67	1,039,412.45
7/15/2027	738,250.35	145,633.57	883,883.92	9,102.10		892,986.02	
1/15/2028		136,774.57	136,774.57	8,548.41		145,322.98	1,038,309.00
7/15/2028	756,174.39	136,774.57	892,948.96	8,548.41		901,497.37	
1/15/2029		127,700.48	127,700.48	7,981.28		135,681.76	1,037,179.13
7/15/2029	774,534.56	127,700.48	902,235.04	7,981.28		910,216.32	
1/15/2030		118,406.06	118,406.06	7,400.38		125,806.44	1,036,022.76
7/15/2030	793,339.76	118,406.06	911,745.82	7,400.38		919,146.20	
1/15/2031		108,885.98	108,885.98	6,805.37		115,691.35	1,034,837.55
7/15/2031	812,600.88	108,885.98	921,486.86	6,805.37		928,292.23	
1/15/2032		99,134.77	99,134.77	6,195.92		105,330.69	1,033,622.92
7/15/2032	832,330.82	99,134.77	931,465.59	6,195.92		937,661.51	
1/15/2033		89,146.80	89,146.80	5,571.67		94,718.48	1,032,379.99
7/15/2033	852,539.47	89,146.80	941,686.27	5,571.67		947,257.95	
1/15/2034		78,916.33	78,916.33	4,932.27		83,848.60	1,031,106.54
7/15/2034	873,237.72	78,916.33	952,154.05	4,932.27		957,086.32	
1/15/2035		68,437.48	68,437.48	4,277.34		72,714.82	1,029,801.14
7/15/2035	894,439.46	68,437.48	962,876.94	4,277.34		967,154.28	
1/15/2036		57,704.20	57,704.20	3,606.51		61,310.72	1,028,465.00
7/15/2036	916,156.57	57,704.20	973,860.77	3,606.51		977,467.28	
1/15/2037		46,710.33	46,710.33	2,919.39		49,629.72	1,027,097.00
7/15/2037	938,399.92	46,710.33	985,110.25	2,919.39		988,029.64	
1/15/2038		35,449.52	35,449.52	2,215.59		37,665.12	1,025,694.76
7/15/2038	961,183.41	35,449.52	996,632.93	2,215.59		998,848.52	
1/15/2039		23,915.32	23,915.32	1,494.71		25,410.03	1,024,258.55
7/15/2039	984,519.90	23,915.32	1,008,435.21	1,494.71		1,009,929.92	
1/15/2040		12,101.08	12,101.08	756.32		12,857.39	1,022,787.31
7/15/2040	1,008,423.25	12,101.08	1,020,524.33	756.32		1,021,280.65	
1/15/2041							1,021,280.65
	21,325,323.06	8,275,384.89	29,600,707.95	517,112.91		30,117,820.86	30,117,820.86

Notes:

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FINAL

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
State Revolving Fund Bonds

SCHEDULE C

Series 15

UBWPAD

CW-06-17-C

Final Structuring Analysis

Financial Equivalent Interest Rate: 2.40%

Schedule of Payments

Initial Principal Amount: \$22,000,000.00

Date	Schedule of Payments			Admin. Fee 0.00075	Origination Fee	Total Due
	Principal	Interest	Total			
08-Jul-10						
15-Jan-11	\$0.00	\$274,266.66	\$274,266.66	\$16,500.00	146,300.00	\$437,066.66
15-Jul-11	506,791.00	264,000.00	770,791.00	16,500.00		787,291.00
15-Jan-12	0.00	257,918.51	257,918.51	16,119.91		274,038.42
15-Jul-12	519,101.00	257,918.51	777,019.51	16,119.91		793,139.42
15-Jan-13	0.00	251,689.30	251,689.30	15,730.58		267,419.88
15-Jul-13	531,711.00	251,689.30	783,400.30	15,730.58		799,130.88
15-Jan-14	0.00	245,308.77	245,308.77	15,331.80		260,640.57
15-Jul-14	544,627.00	245,308.77	789,935.77	15,331.80		805,267.57
15-Jan-15	0.00	238,773.24	238,773.24	14,923.33		253,696.57
15-Jul-15	557,857.00	238,773.24	796,630.24	14,923.33		811,553.57
15-Jan-16	0.00	232,078.96	232,078.96	14,504.93		246,583.89
15-Jul-16	571,408.00	232,078.96	803,486.96	14,504.93		817,991.89
15-Jan-17	0.00	225,222.06	225,222.06	14,076.38		239,298.44
15-Jul-17	585,289.00	225,222.06	810,511.06	14,076.38		824,587.44
15-Jan-18	0.00	218,198.59	218,198.59	13,637.41		231,836.00
15-Jul-18	599,506.00	218,198.59	817,704.59	13,637.41		831,342.00
15-Jan-19	0.00	211,004.52	211,004.52	13,187.78		224,192.30
15-Jul-19	614,069.00	211,004.52	825,073.52	13,187.78		838,261.30
15-Jan-20	0.00	203,635.69	203,635.69	12,727.23		216,362.92
15-Jul-20	628,986.00	203,635.69	832,621.69	12,727.23		845,348.92
15-Jan-21	0.00	196,087.86	196,087.86	12,255.49		208,343.35
15-Jul-21	644,265.00	196,087.86	840,352.86	12,255.49		852,608.35
15-Jan-22	0.00	188,356.68	188,356.68	11,772.29		200,128.97
15-Jul-22	659,915.00	188,356.68	848,271.68	11,772.29		860,043.97
15-Jan-23	0.00	180,437.70	180,437.70	11,277.36		191,715.06
15-Jul-23	675,945.00	180,437.70	856,382.70	11,277.36		867,660.06
15-Jan-24	0.00	172,326.36	172,326.36	10,770.40		183,096.76
15-Jul-24	692,365.00	172,326.36	864,691.36	10,770.40		875,461.76
15-Jan-25	0.00	164,017.98	164,017.98	10,251.12		174,269.10
15-Jul-25	709,183.00	164,017.98	873,200.98	10,251.12		883,452.10
15-Jan-26	0.00	155,507.79	155,507.79	9,719.24		165,227.03
15-Jul-26	726,411.00	155,507.79	881,918.79	9,719.24		891,638.03
15-Jan-27	0.00	146,790.86	146,790.86	9,174.43		155,965.29
15-Jul-27	744,056.00	146,790.86	890,846.86	9,174.43		900,021.29
15-Jan-28	0.00	137,862.19	137,862.19	8,616.39		146,478.58
15-Jul-28	762,130.00	137,862.19	899,992.19	8,616.39		908,608.58
15-Jan-29	0.00	128,716.63	128,716.63	8,044.79		136,761.42
15-Jul-29	780,644.00	128,716.63	909,360.63	8,044.79		917,405.42
15-Jan-30	0.00	119,348.90	119,348.90	7,459.31		126,808.21
15-Jul-30	799,607.00	119,348.90	918,955.90	7,459.31		926,415.21
15-Jan-31	0.00	109,753.61	109,753.61	6,859.60		116,613.21
15-Jul-31	819,030.00	109,753.61	928,783.61	6,859.60		935,643.21
15-Jan-32	0.00	99,925.25	99,925.25	6,245.33		106,170.58
15-Jul-32	838,926.00	99,925.25	938,851.25	6,245.33		945,096.58
15-Jan-33	0.00	89,858.14	89,858.14	5,616.13		95,474.27
15-Jul-33	859,305.00	89,858.14	949,163.14	5,616.13		954,779.27
15-Jan-34	0.00	79,546.48	79,546.48	4,971.65		84,518.13
15-Jul-34	880,178.00	79,546.48	959,724.48	4,971.65		964,696.13
15-Jan-35	0.00	68,984.35	68,984.35	4,311.52		73,295.87
15-Jul-35	901,559.00	68,984.35	970,543.35	4,311.52		974,854.87
15-Jan-36	0.00	58,165.64	58,165.64	3,635.35		61,800.99
15-Jul-36	923,460.00	58,165.64	981,625.64	3,635.35		985,260.99
15-Jan-37	0.00	47,084.12	47,084.12	2,942.76		50,026.88
15-Jul-37	945,892.00	47,084.12	992,976.12	2,942.76		995,918.88
15-Jan-38	0.00	35,733.41	35,733.41	2,233.34		37,966.75
15-Jul-38	968,869.00	35,733.41	1,004,602.41	2,233.34		1,006,835.75
15-Jan-39	0.00	24,106.98	24,106.98	1,506.69		25,613.67
15-Jul-39	992,404.00	24,106.98	1,016,510.98	1,506.69		1,018,017.67
15-Jan-40	0.00	12,198.13	12,198.13	762.38		12,960.51
15-Jul-40	1,016,511.00	12,198.13	1,028,709.13	762.38		1,029,471.51
15-Jan-41	0.00	0.00	0.00	0.00		0.00
15-Jul-41	0.00	0.00	0.00	0.00		0.00
	\$22,000,000.00	\$9,135,544.06	\$31,135,544.06	\$570,329.84	\$146,300.00	\$31,852,173.90

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
State Revolving Fund Bonds
Series 15
UBWPAD
CWS-09-18
Final Structuring Analysis

SCHEDULE C

Financial Equivalent Interest Rate:	2.40%
ARRA Principal Forgiveness*	3,744,730
Total Loan Amount	11,020,674

Schedule of Payments

Initial Principal Amount: \$7,275,944.00

Date	Schedule of Payments			Admin. Fee 0.00075	Origination Fee	Total Due
	Principal	Interest	Total			
08-Jul-10						
15-Jan-11	\$0.00	\$90,706.78	\$90,706.78	\$5,456.96	48,385.03	\$144,548.77
15-Jul-11	167,608.00	87,311.34	254,919.34	5,456.96		260,376.30
15-Jan-12	0.00	85,300.04	85,300.04	5,331.25		90,631.29
15-Jul-12	171,680.00	85,300.04	256,980.04	5,331.25		262,311.29
15-Jan-13	0.00	83,239.88	83,239.88	5,202.49		88,442.37
15-Jul-13	175,850.00	83,239.88	259,089.88	5,202.49		264,292.37
15-Jan-14	0.00	81,129.68	81,129.68	5,070.60		86,200.28
15-Jul-14	180,122.00	81,129.68	261,251.68	5,070.60		266,322.28
15-Jan-15	0.00	78,968.22	78,968.22	4,935.51		83,903.73
15-Jul-15	184,497.00	78,968.22	263,465.22	4,935.51		268,400.73
15-Jan-16	0.00	76,754.25	76,754.25	4,797.14		81,551.39
15-Jul-16	188,979.00	76,754.25	265,733.25	4,797.14		270,530.39
15-Jan-17	0.00	74,486.50	74,486.50	4,655.41		79,141.91
15-Jul-17	193,569.00	74,486.50	268,055.50	4,655.41		272,710.91
15-Jan-18	0.00	72,163.67	72,163.67	4,510.23		76,673.90
15-Jul-18	198,271.00	72,163.67	270,434.67	4,510.23		274,944.90
15-Jan-19	0.00	69,784.42	69,784.42	4,361.53		74,145.95
15-Jul-19	203,088.00	69,784.42	272,872.42	4,361.53		277,233.95
15-Jan-20	0.00	67,347.37	67,347.37	4,209.21		71,556.58
15-Jul-20	208,021.00	67,347.37	275,368.37	4,209.21		279,577.58
15-Jan-21	0.00	64,851.12	64,851.12	4,053.19		68,904.31
15-Jul-21	213,074.00	64,851.12	277,925.12	4,053.19		281,978.31
15-Jan-22	0.00	62,294.23	62,294.23	3,893.39		66,187.62
15-Jul-22	218,250.00	62,294.23	280,544.23	3,893.39		284,437.62
15-Jan-23	0.00	59,675.23	59,675.23	3,729.70		63,404.93
15-Jul-23	223,552.00	59,675.23	283,227.23	3,729.70		286,956.93
15-Jan-24	0.00	56,992.60	56,992.60	3,562.04		60,554.64
15-Jul-24	228,982.00	56,992.60	285,974.60	3,562.04		289,536.64
15-Jan-25	0.00	54,244.82	54,244.82	3,390.30		57,635.12
15-Jul-25	234,544.00	54,244.82	288,788.82	3,390.30		292,179.12
15-Jan-26	0.00	51,430.29	51,430.29	3,214.39		54,644.68
15-Jul-26	240,242.00	51,430.29	291,672.29	3,214.39		294,886.68
15-Jan-27	0.00	48,547.38	48,547.38	3,034.21		51,581.59
15-Jul-27	246,078.00	48,547.38	294,625.38	3,034.21		297,659.59
15-Jan-28	0.00	45,594.45	45,594.45	2,849.65		48,444.10
15-Jul-28	252,055.00	45,594.45	297,649.45	2,849.65		300,499.10
15-Jan-29	0.00	42,569.79	42,569.79	2,660.61		45,230.40
15-Jul-29	258,178.00	42,569.79	300,747.79	2,660.61		303,408.40
15-Jan-30	0.00	39,471.65	39,471.65	2,466.98		41,938.63
15-Jul-30	264,450.00	39,471.65	303,921.65	2,466.98		306,388.63
15-Jan-31	0.00	36,298.25	36,298.25	2,268.64		38,566.89
15-Jul-31	270,874.00	36,298.25	307,172.25	2,268.64		309,440.89
15-Jan-32	0.00	33,047.76	33,047.76	2,065.49		35,113.25
15-Jul-32	277,454.00	33,047.76	310,501.76	2,065.49		312,567.25
15-Jan-33	0.00	29,718.31	29,718.31	1,857.39		31,575.70
15-Jul-33	284,193.00	29,718.31	313,911.31	1,857.39		315,768.70
15-Jan-34	0.00	26,308.00	26,308.00	1,644.25		27,952.25
15-Jul-34	291,097.00	26,308.00	317,405.00	1,644.25		319,049.25
15-Jan-35	0.00	22,814.83	22,814.83	1,425.93		24,240.76
15-Jul-35	298,168.00	22,814.83	320,982.83	1,425.93		322,408.76
15-Jan-36	0.00	19,236.82	19,236.82	1,202.30		20,439.12
15-Jul-36	305,411.00	19,236.82	324,647.82	1,202.30		325,850.12
15-Jan-37	0.00	15,571.89	15,571.89	973.24		16,545.13
15-Jul-37	312,830.00	15,571.89	328,401.89	973.24		329,375.13
15-Jan-38	0.00	11,817.93	11,817.93	738.62		12,556.55
15-Jul-38	320,429.00	11,817.93	332,246.93	738.62		332,985.55
15-Jan-39	0.00	7,972.78	7,972.78	498.30		8,471.08
15-Jul-39	328,213.00	7,972.78	336,185.78	498.30		336,684.08
15-Jan-40	0.00	4,034.22	4,034.22	252.14		4,286.36
15-Jul-40	336,185.00	4,034.22	340,219.22	252.14		340,471.36
15-Jan-41	0.00	0.00	0.00	0.00		0.00
15-Jul-41	0.00	0.00	0.00	0.00		0.00
	\$7,275,944.00	\$3,021,350.88	\$10,297,294.88	\$188,622.18	\$48,385.03	\$10,534,302.09

* This Project may qualify for principal forgiveness under the American Recovery and Reinvestment Act of 2009 ("ARRA") upon issuance of a Project Completion Certificate. To qualify for principal forgiveness, the Borrower must comply with the requirements of ARRA listed on Schedule B of this Loan Agreement.

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)

Revised Schedule C

Series 3

UBWD 97-04

Schedule of Loan Repayments

Initial Loan Obligation: \$5,969,428.00

Loan Subsidy Amounts

Date	Scheduled Loan Repayments			Equity Earnings	Contract Assistance Payments	Total	Net Loan Repayments		
	Principal	Interest	Total				Principal	Interest	Total
01-Aug-01									
01-Feb-02	302,526.00	161,703.91	464,229.91	80,655.93	141,332.27	221,988.19	242,241.72	0.00	242,241.72
01-Aug-02	0.00	152,651.27	152,651.27	76,568.35	6,719.53	83,287.88	0.00	69,363.40	69,363.40
01-Feb-03	309,175.00	154,418.11	463,593.11	76,568.35	141,332.27	217,900.61	245,692.50	0.00	245,692.50
01-Aug-03	0.00	146,704.85	146,704.85	72,390.93	6,719.53	79,110.46	0.00	67,594.39	67,594.39
01-Feb-04	316,124.00	145,618.37	461,742.37	72,390.93	141,332.27	213,723.20	248,019.17	0.00	248,019.17
01-Aug-04	0.00	139,380.23	139,380.23	68,119.62	10,023.25	78,142.87	0.00	64,541.08	64,541.08
01-Feb-05	323,862.00	137,073.62	460,935.62	68,119.62	138,028.55	206,148.17	251,483.73	0.00	251,483.73
01-Aug-05	0.00	131,283.68	131,283.68	63,743.76	14,519.03	78,262.79	0.00	60,820.39	60,820.39
01-Feb-06	331,789.00	129,057.31	460,846.31	63,743.76	133,532.76	197,276.52	255,770.29	0.00	255,770.29
01-Aug-06	0.00	121,330.01	121,330.01	59,260.79	20,576.24	79,837.03	0.00	55,349.69	55,349.69
01-Feb-07	343,229.00	119,021.19	462,250.19	59,260.79	127,475.56	186,736.35	261,657.13	0.00	261,657.13
01-Aug-07	0.00	111,033.14	111,033.14	54,623.25	26,919.43	81,542.68	0.00	49,690.36	49,690.36
01-Feb-08	355,062.00	108,641.87	463,703.87	54,623.25	121,132.37	175,755.62	267,748.35	0.00	267,748.35
01-Aug-08	0.00	101,712.76	101,712.76	49,825.83	31,490.25	81,316.08	0.00	45,167.40	45,167.40
01-Feb-09	364,640.00	99,533.51	464,173.51	49,825.83	116,561.55	166,387.38	273,015.41	0.00	273,015.41
01-Aug-09	0.00	92,049.80	92,049.80	44,899.00	36,238.92	81,137.91	0.00	40,431.27	40,431.27
01-Feb-10	374,660.00	89,746.87	464,406.87	44,899.00	111,812.88	156,711.88	278,175.61	0.00	278,175.61
01-Aug-10	0.00	81,933.98	81,933.98	39,836.78	33,006.41	72,843.19	0.00	35,377.67	35,377.67
01-Feb-11	385,329.00	79,319.20	464,648.20	39,836.78	115,045.38	154,882.16	283,479.16	0.00	283,479.16
01-Aug-11	0.00	71,530.10	71,530.10	34,630.41	29,902.67	64,533.07	0.00	30,180.16	30,180.16
01-Feb-12	396,302.00	69,091.13	465,393.13	34,630.41	118,149.13	152,779.54	289,430.45	0.00	289,430.45
01-Aug-12	0.00	60,631.79	60,631.79	29,275.77	28,048.90	57,324.67	0.00	24,636.49	24,636.49
01-Feb-13	407,984.00	58,144.23	466,128.23	29,275.77	120,002.90	149,278.67	295,520.19	0.00	295,520.19
01-Aug-13	0.00	49,412.23	49,412.23	23,763.30	24,273.81	48,037.11	0.00	18,929.40	18,929.40
01-Feb-14	420,010.00	46,722.95	466,732.95	23,763.30	123,777.98	147,541.28	301,637.39	0.00	301,637.39
01-Aug-14	0.00	37,651.95	37,651.95	18,088.33	20,384.56	38,472.89	0.00	12,844.09	12,844.09
01-Feb-15	432,810.00	35,002.43	467,812.43	18,088.33	127,667.24	145,755.57	308,391.83	0.00	308,391.83
01-Aug-15	0.00	25,479.17	25,479.17	12,240.42	16,203.09	28,443.51	0.00	6,519.22	6,519.22
01-Feb-16	446,109.00	22,691.06	468,800.06	12,240.42	131,848.70	144,089.12	315,227.37	0.00	315,227.37
01-Aug-16	0.00	12,932.35	12,932.35	6,212.82	11,654.81	17,867.62	0.00	0.00	0.00
01-Feb-17	459,817.00	10,094.55	469,911.55	6,212.82	136,396.99	142,609.81	322,366.46	0.00	322,366.46
	5,969,428.00	2,801,597.61	8,771,025.61	1,387,614.62	2,362,109.22	3,749,723.84	4,439,856.76	581,445.01	5,021,301.78

Massachusetts Water Pollution Abatement Trust
 Pollution Abatement Revenue Bonds
 (Loan Program Bonds)
 Series 3

D U B W D

97-04

Final Loan Structuring Analysis

Estimated Net Borrower Debt Service

Date	Principal Outstanding	Debt Service [Net of Accrued Interest]	LESS DSRF Earnings @ 5.404600%	LESS Contract Assistance	Estimated Net Debt Service	PLUS Administrative Fee Payable @ 0.075%	Estimated Total Payment	Estimated Total Payment [Fiscal Year ending] 30-Jun
29-Apr-97								
01-Aug-97	\$7,123,057.00	\$95,939.44	\$49,190.96	\$4,479.69	\$42,268.79	\$2,730.51	\$44,999.30	--
01-Feb-98	7,123,057.00	468,291.60	96,243.18	141,332.27	230,716.15	5,342.29	236,058.44	\$281,057.74
01-Aug-98	6,842,473.00	181,394.46	92,452.07	6,719.53	82,222.86	5,131.85	87,354.71	--
01-Feb-99	6,842,473.00	467,191.46	92,452.07	141,332.27	233,407.12	5,131.85	238,538.97	325,893.68
01-Aug-99	6,556,676.00	175,249.83	88,590.53	6,719.53	79,939.77	4,917.51	84,857.28	--
01-Feb-2000	6,556,676.00	466,041.83	88,590.53	141,332.27	236,119.03	4,917.51	241,036.54	325,893.82
01-Aug-2000	6,265,884.00	168,707.01	84,661.49	6,719.53	77,325.99	4,699.41	82,025.40	--
01-Feb-2001	6,265,884.00	465,163.01	84,661.49	141,332.27	239,169.25	4,699.41	243,868.66	325,894.06
01-Aug-2001	5,969,428.00	161,888.52	80,655.93	6,719.53	74,513.06	4,477.07	78,990.13	--
01-Feb-2002	5,969,428.00	464,414.52	80,655.93	141,332.27	242,426.32	4,477.07	246,903.39	325,893.52
01-Aug-2002	5,666,902.00	154,703.53	76,568.35	6,719.53	71,415.65	4,250.18	75,665.83	--
01-Feb-2003	5,666,902.00	463,878.53	76,568.35	141,332.27	245,977.91	4,250.18	250,228.09	325,893.92
01-Aug-2003	5,357,727.00	147,283.33	72,390.93	6,719.53	68,172.87	4,018.30	72,191.17	--
01-Feb-2004	5,357,727.00	463,407.33	72,390.93	141,332.27	249,684.13	4,018.30	253,702.43	325,893.60
01-Aug-2004	5,041,603.00	139,380.23	68,119.62	6,719.53	64,541.08	3,781.20	68,322.28	--
01-Feb-2005	5,041,603.00	463,242.23	68,119.62	141,332.27	253,790.34	3,781.20	257,571.54	325,893.82
01-Aug-2005	4,717,741.00	131,283.68	63,743.76	6,719.53	60,820.39	3,538.31	64,358.70	--
01-Feb-2006	4,717,741.00	463,072.68	63,743.76	141,332.27	257,996.65	3,538.31	261,534.96	325,893.66
01-Aug-2006	4,385,952.00	121,330.01	59,260.79	6,719.53	55,349.69	3,289.46	58,639.15	--
01-Feb-2007	4,385,952.00	464,559.01	59,260.79	141,332.27	263,965.95	3,289.46	267,255.41	325,894.56
01-Aug-2007	4,042,723.00	111,033.14	54,623.25	6,719.53	49,690.36	3,032.04	52,722.40	--
01-Feb-2008	4,042,723.00	466,095.14	54,623.25	141,332.27	270,139.62	3,032.04	273,171.66	325,894.06
01-Aug-2008	3,687,661.00	101,712.76	49,825.83	6,719.53	45,167.40	2,765.75	47,933.15	--
01-Feb-2009	3,687,661.00	466,352.76	49,825.83	141,332.27	275,194.66	2,765.75	277,960.41	325,893.56
01-Aug-2009	3,323,021.00	92,049.80	44,899.00	6,719.53	40,431.27	2,492.27	42,923.54	--
01-Feb-2010	3,323,021.00	466,709.80	44,899.00	141,332.27	280,478.53	2,492.27	282,970.80	325,894.34
01-Aug-2010	2,948,361.00	81,933.98	39,836.78	6,719.53	35,377.67	2,211.27	37,588.94	--
01-Feb-2011	2,948,361.00	467,262.98	39,836.78	141,332.27	286,093.93	2,211.27	288,305.20	325,894.14
01-Aug-2011	2,563,032.00	71,530.10	34,630.41	6,719.53	30,180.16	1,922.27	32,102.43	--
01-Feb-2012	2,563,032.00	467,832.10	34,630.41	141,332.27	291,869.42	1,922.27	293,791.69	325,894.12
01-Aug-2012	2,166,730.00	60,631.79	29,275.77	6,719.53	24,636.49	1,625.05	26,261.54	--
01-Feb-2013	2,166,730.00	468,615.79	29,275.77	141,332.27	298,007.75	1,625.05	299,632.80	325,894.34
01-Aug-2013	1,758,746.00	49,412.23	23,763.30	6,719.53	18,929.40	1,319.06	20,248.46	--
01-Feb-2014	1,758,746.00	469,422.23	23,763.30	141,332.27	304,326.66	1,319.06	305,645.72	325,894.18
01-Aug-2014	1,338,736.00	37,651.95	18,088.33	6,719.53	12,844.09	1,004.05	13,848.14	--
01-Feb-2015	1,338,736.00	470,461.95	18,088.33	141,332.27	311,041.35	1,004.05	312,045.40	325,893.54
01-Aug-2015	905,926.00	25,479.17	12,240.42	6,719.53	6,519.22	679.44	7,198.66	--
01-Feb-2016	905,926.00	471,588.17	12,240.42	141,332.27	318,015.48	679.44	318,694.92	325,893.58
01-Aug-2016	459,817.00	12,932.35	6,212.82	6,719.53	0.00	344.86	344.86	--
01-Feb-2017	459,817.00	472,749.35	6,212.82	141,332.27	325,204.26	344.86	325,549.12	325,893.98
01-Aug-2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
	\$11,457,879.78	\$2,145,112.90	\$2,958,796.09	\$6,353,970.72	\$119,071.50	\$6,473,042.22	\$6,473,042.22	

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)

Revised Schedule C

Series 3

UBWD 96-02

Schedule of Loan Repayments

Initial Loan Obligation: \$3,003,588.00				Loan Subsidy Amounts					
Date	Scheduled Loan Repayments			Equity Earnings	Contract Assistance Payments	Total	Net Loan Repayments		
	Principal	Interest	Total				Principal	Interest	Total
01-Aug-01									
01-Feb-02	152,220.00	81,363.22	233,583.22	40,582.98	71,112.97	111,695.95	121,887.27	0.00	121,887.27
01-Aug-02	0.00	76,808.27	76,808.27	38,526.26	3,381.01	41,907.27	0.00	34,901.00	34,901.00
01-Feb-03	155,565.00	77,697.28	233,262.28	38,526.26	71,112.97	109,639.23	123,623.05	0.00	123,623.05
01-Aug-03	0.00	73,816.26	73,816.26	36,424.34	3,381.01	39,805.35	0.00	34,010.91	34,010.91
01-Feb-04	159,062.00	73,269.59	232,331.59	36,424.34	71,112.97	107,537.32	124,794.27	0.00	124,794.27
01-Aug-04	0.00	70,130.78	70,130.78	34,275.18	5,043.31	39,318.49	0.00	32,474.59	32,474.59
01-Feb-05	162,955.00	68,970.18	231,925.18	34,275.18	69,450.67	103,725.85	126,537.03	0.00	126,537.03
01-Aug-05	0.00	66,056.90	66,056.90	32,073.41	7,305.42	39,378.83	0.00	30,602.48	30,602.48
01-Feb-06	166,944.00	64,936.68	231,880.68	32,073.41	67,188.56	99,261.97	128,694.29	0.00	128,694.29
01-Aug-06	0.00	61,048.58	61,048.58	29,817.75	10,353.17	40,170.92	0.00	27,849.82	27,849.82
01-Feb-07	172,699.00	59,886.87	232,585.87	29,817.75	64,140.81	93,958.56	131,655.15	0.00	131,655.15
01-Aug-07	0.00	55,867.61	55,867.61	27,484.32	13,544.82	41,029.15	0.00	25,002.28	25,002.28
01-Feb-08	178,653.00	54,664.41	233,317.41	27,484.32	60,949.16	88,433.48	134,720.12	0.00	134,720.12
01-Aug-08	0.00	51,177.97	51,177.97	25,070.45	15,844.69	40,915.14	0.00	22,726.51	22,726.51
01-Feb-09	183,473.00	50,081.46	233,554.46	25,070.45	58,649.30	83,719.75	137,371.03	0.00	137,371.03
01-Aug-09	0.00	46,315.94	46,315.94	22,591.46	18,234.03	40,825.49	0.00	20,343.47	20,343.47
01-Feb-10	188,514.00	45,157.19	233,671.19	22,591.46	56,259.95	78,851.41	139,966.76	0.00	139,966.76
01-Aug-10	0.00	41,226.06	41,226.06	20,044.35	16,607.56	36,651.91	0.00	17,800.70	17,800.70
01-Feb-11	193,883.00	39,910.40	233,793.40	20,044.35	57,886.42	77,930.77	142,636.08	0.00	142,636.08
01-Aug-11	0.00	35,991.22	35,991.22	17,424.70	15,045.88	32,470.58	0.00	15,185.51	15,185.51
01-Feb-12	199,404.00	34,764.02	234,168.02	17,424.70	59,448.11	76,872.81	145,630.35	0.00	145,630.35
01-Aug-12	0.00	30,507.61	30,507.61	14,730.45	14,113.13	28,843.58	0.00	12,396.15	12,396.15
01-Feb-13	205,282.00	29,255.96	234,537.96	14,730.45	60,380.85	75,111.31	148,694.54	0.00	148,694.54
01-Aug-13	0.00	24,862.35	24,862.35	11,956.79	12,213.65	24,170.44	0.00	9,524.55	9,524.55
01-Feb-14	211,333.00	23,509.21	234,842.21	11,956.79	62,280.33	74,237.12	151,772.45	0.00	151,772.45
01-Aug-14	0.00	18,945.03	18,945.03	9,101.36	10,256.73	19,358.09	0.00	6,462.66	6,462.66
01-Feb-15	217,774.00	17,611.89	235,385.89	9,101.36	64,237.26	73,338.62	155,171.56	0.00	155,171.56
01-Aug-15	0.00	12,820.13	12,820.13	6,158.91	8,152.77	14,311.68	0.00	3,280.21	3,280.21
01-Feb-16	224,465.00	11,417.26	235,882.26	6,158.91	66,341.21	72,500.12	158,610.38	0.00	158,610.38
01-Aug-16	0.00	6,507.06	6,507.06	3,126.05	5,864.25	8,990.30	0.00	0.00	0.00
01-Feb-17	231,362.00	5,079.19	236,441.19	3,126.05	68,629.73	71,755.78	162,202.16	0.00	162,202.16
	3,003,588.00	1,409,656.58	4,413,244.58	698,194.52	1,188,522.73	1,886,717.26	2,233,966.48	292,560.85	2,526,527.33

Massachusetts Water Pollution Abatement Trust
 V Pollution Abatement Revenue Bonds
 (Loan Program Bonds)
 Series 3
 0 U B W D
 96-02
 Final Loan Structuring Analysis

Estimated Net Borrower Debt Service

Date	Principal Outstanding	Debt Service [Net of Accrued Interest]	LESS DSRF Earnings @ 5.404600%	LESS Contract Assistance	Estimated Net Debt Service	PLUS Administrative Fee Payable @ 0.075%	Estimated Total Payment	Estimated Total Payment [Fiscal Year ending] 30-Jun
29-Apr-97								
01-Aug-97	\$3,584,049.00	\$48,273.04	\$24,751.00	\$2,254.01	\$21,268.03	\$1,373.89	\$22,641.92	--
01-Feb-98	3,584,049.00	235,626.26	48,425.88	71,112.97	116,087.41	2,688.04	118,775.45	\$141,417.37
01-Aug-98	3,442,870.00	91,270.74	46,518.34	3,381.01	41,371.39	2,582.15	43,953.54	--
01-Feb-99	3,442,870.00	235,072.74	46,518.34	71,112.97	117,441.43	2,582.15	120,023.58	163,977.12
01-Aug-99	3,299,068.00	88,178.99	44,575.36	3,381.01	40,222.62	2,474.30	42,696.92	--
01-Feb-2000	3,299,068.00	234,493.99	44,575.36	71,112.97	118,805.66	2,474.30	121,279.96	163,976.88
01-Aug-2000	3,152,753.00	84,886.91	42,598.42	3,381.01	38,907.48	2,364.56	41,272.04	--
01-Feb-2001	3,152,753.00	234,051.91	42,598.42	71,112.97	120,340.52	2,364.56	122,705.08	163,977.12
01-Aug-2001	3,003,588.00	81,456.11	40,582.98	3,381.01	37,492.12	2,252.69	39,744.81	--
01-Feb-2002	3,003,588.00	233,676.11	40,582.98	71,112.97	121,980.16	2,252.69	124,232.85	163,977.66
01-Aug-2002	2,851,368.00	77,840.89	38,526.26	3,381.01	35,933.62	2,138.53	38,072.15	--
01-Feb-2003	2,851,368.00	233,405.89	38,526.26	71,112.97	123,766.66	2,138.53	125,905.19	163,977.34
01-Aug-2003	2,695,803.00	74,107.33	36,424.34	3,381.01	34,301.98	2,021.85	36,323.83	--
01-Feb-2004	2,695,803.00	233,169.33	36,424.34	71,112.97	125,632.02	2,021.85	127,653.87	163,977.70
01-Aug-2004	2,536,741.00	70,130.78	34,275.18	3,381.01	32,474.59	1,902.56	34,377.15	--
01-Feb-2005	2,536,741.00	233,085.78	34,275.18	71,112.97	127,697.63	1,902.56	129,600.19	163,977.34
01-Aug-2005	2,373,786.00	66,056.90	32,073.41	3,381.01	30,602.48	1,780.34	32,382.82	--
01-Feb-2006	2,373,786.00	233,000.90	32,073.41	71,112.97	129,814.52	1,780.34	131,594.86	163,977.68
01-Aug-2006	2,206,842.00	61,048.58	29,817.75	3,381.01	27,849.82	1,655.13	29,504.95	--
01-Feb-2007	2,206,842.00	233,747.58	29,817.75	71,112.97	132,816.86	1,655.13	134,471.99	163,976.94
01-Aug-2007	2,034,143.00	55,867.61	27,484.32	3,381.01	25,002.28	1,525.61	26,527.89	--
01-Feb-2008	2,034,143.00	234,520.61	27,484.32	71,112.97	135,923.32	1,525.61	137,448.93	163,976.82
01-Aug-2008	1,855,490.00	51,177.97	25,070.45	3,381.01	22,726.51	1,391.62	24,118.13	--
01-Feb-2009	1,855,490.00	234,650.97	25,070.45	71,112.97	138,467.55	1,391.62	139,859.17	163,977.30
01-Aug-2009	1,672,017.00	46,315.94	22,591.46	3,381.01	20,343.47	1,254.01	21,597.48	--
01-Feb-2010	1,672,017.00	234,829.94	22,591.46	71,112.97	141,125.51	1,254.01	142,379.52	163,977.00
01-Aug-2010	1,483,503.00	41,226.06	20,044.35	3,381.01	17,800.70	1,112.63	18,913.33	--
01-Feb-2011	1,483,503.00	235,109.06	20,044.35	71,112.97	143,951.74	1,112.63	145,064.37	163,977.70
01-Aug-2011	1,289,620.00	35,991.22	17,424.70	3,381.01	15,185.51	967.22	16,152.73	--
01-Feb-2012	1,289,620.00	235,395.22	17,424.70	71,112.97	146,857.55	967.22	147,824.77	163,977.50
01-Aug-2012	1,090,216.00	30,507.61	14,730.45	3,381.01	12,396.15	817.66	13,213.81	--
01-Feb-2013	1,090,216.00	235,789.61	14,730.45	71,112.97	149,946.19	817.66	150,763.85	163,977.66
01-Aug-2013	884,934.00	24,862.35	11,956.79	3,381.01	9,524.55	663.70	10,188.25	--
01-Feb-2014	884,934.00	236,195.35	11,956.79	71,112.97	153,125.59	663.70	153,789.29	163,977.54
01-Aug-2014	673,601.00	18,945.03	9,101.36	3,381.01	6,462.66	505.20	6,967.86	--
01-Feb-2015	673,601.00	236,719.03	9,101.36	71,112.97	156,504.70	505.20	157,009.90	163,977.76
01-Aug-2015	455,827.00	12,820.13	6,158.91	3,381.01	3,280.21	341.87	3,622.08	--
01-Feb-2016	455,827.00	237,285.13	6,158.91	71,112.97	160,013.25	341.87	160,355.12	163,977.20
01-Aug-2016	231,362.00	6,507.06	3,126.05	3,381.01	0.00	173.52	173.52	--
01-Feb-2017	231,362.00	237,869.06	3,126.05	71,112.97	163,630.04	173.52	163,803.56	163,977.08
01-Aug-2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
	\$5,765,165.72	\$1,079,338.64	\$1,488,752.68	\$3,197,074.48	\$59,912.23	\$3,256,986.71	\$3,256,986.71	

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Series 3
UBWD 95-29

Revised Schedule C

Schedule of Loan Repayments

Initial Loan Obligation: \$3,016,719.00

Loan Subsidy Amounts

Date	Scheduled Loan Repayments			Equity Earnings	Contract Assistance Payments		Net Loan Repayments		
	Principal	Interest	Total			Total	Principal	Interest	Total
01-Aug-01									
01-Feb-02	152,885.00	81,718.93	234,603.93	40,760.40	71,423.86	112,184.26	122,419.67	0.00	122,419.67
01-Aug-02	0.00	77,144.07	77,144.07	38,694.69	3,395.80	42,090.49	0.00	35,053.58	35,053.58
01-Feb-03	156,245.00	78,036.96	234,281.96	38,694.69	71,423.86	110,118.56	124,163.41	0.00	124,163.41
01-Aug-03	0.00	74,138.98	74,138.98	36,583.59	3,395.80	39,979.39	0.00	34,159.59	34,159.59
01-Feb-04	159,757.00	73,589.91	233,346.91	36,583.59	71,423.86	108,007.45	125,339.46	0.00	125,339.46
01-Aug-04	0.00	70,437.40	70,437.40	34,425.03	5,065.37	39,490.40	0.00	32,616.57	32,616.57
01-Feb-05	163,667.00	69,271.73	232,938.73	34,425.03	69,754.29	104,179.32	127,089.83	0.00	127,089.83
01-Aug-05	0.00	66,345.72	66,345.72	32,213.65	7,337.37	39,551.01	0.00	30,736.27	30,736.27
01-Feb-06	167,674.00	65,220.60	232,894.60	32,213.65	67,482.29	99,695.94	129,257.09	0.00	129,257.09
01-Aug-06	0.00	61,315.50	61,315.50	29,948.12	10,398.44	40,346.56	0.00	27,971.58	27,971.58
01-Feb-07	173,454.00	60,148.71	233,602.71	29,948.12	64,421.22	94,369.34	132,230.73	0.00	132,230.73
01-Aug-07	0.00	56,111.88	56,111.88	27,604.49	13,604.05	41,208.54	0.00	25,111.59	25,111.59
01-Feb-08	179,435.00	54,903.42	234,338.42	27,604.49	61,215.61	88,820.11	135,310.07	0.00	135,310.07
01-Aug-08	0.00	51,401.72	51,401.72	25,180.06	15,913.96	41,094.02	0.00	22,825.86	22,825.86
01-Feb-09	184,275.00	50,300.41	234,575.41	25,180.06	58,905.70	84,085.76	137,971.49	0.00	137,971.49
01-Aug-09	0.00	46,518.43	46,518.43	22,690.23	18,313.76	41,003.98	0.00	20,432.40	20,432.40
01-Feb-10	189,339.00	45,354.62	234,693.62	22,690.23	56,505.91	79,196.13	140,579.53	0.00	140,579.53
01-Aug-10	0.00	41,406.27	41,406.27	20,131.97	16,680.17	36,812.15	0.00	17,878.50	17,878.50
01-Feb-11	194,730.00	40,084.86	234,814.86	20,131.97	58,139.49	78,271.46	143,259.03	0.00	143,259.03
01-Aug-11	0.00	36,148.56	36,148.56	17,500.88	15,111.66	32,612.54	0.00	15,251.88	15,251.88
01-Feb-12	200,276.00	34,916.00	235,192.00	17,500.88	59,708.00	77,208.88	146,267.26	0.00	146,267.26
01-Aug-12	0.00	30,640.97	30,640.97	14,794.85	14,174.84	28,969.69	0.00	12,450.32	12,450.32
01-Feb-13	206,179.00	29,383.85	235,562.85	14,794.85	60,644.82	75,439.67	149,344.14	0.00	149,344.14
01-Aug-13	0.00	24,971.05	24,971.05	12,009.06	12,267.06	24,276.12	0.00	9,566.19	9,566.19
01-Feb-14	212,257.00	23,611.99	235,868.99	12,009.06	62,552.61	74,561.67	152,436.07	0.00	152,436.07
01-Aug-14	0.00	19,027.86	19,027.86	9,141.15	10,301.58	19,442.73	0.00	6,490.91	6,490.91
01-Feb-15	218,726.00	17,688.89	236,414.89	9,141.15	64,518.08	73,659.24	155,849.88	0.00	155,849.88
01-Aug-15	0.00	12,876.19	12,876.19	6,185.83	8,188.43	14,374.26	0.00	3,294.56	3,294.56
01-Feb-16	225,446.00	11,467.19	236,913.19	6,185.83	66,631.24	72,817.07	159,303.49	0.00	159,303.49
01-Aug-16	0.00	6,535.52	6,535.52	3,139.72	5,889.90	9,029.62	0.00	0.00	0.00
01-Feb-17	232,374.00	5,101.40	237,475.40	3,139.72	68,929.76	72,069.49	162,911.82	0.00	162,911.82
	3,016,719.00	1,415,819.59	4,432,538.59	701,247.05	1,193,718.79	1,894,965.84	2,243,732.96	293,839.79	2,537,572.75

Massachusetts Water Pollution Abatement Trust
W Pollution Abatement Revenue Bonds
(P Loan Program Bonds)
Series 3

UBWD
95-09
Final Loan Structuring Analysis

Estimated Net Borrower Debt Service

Date	Principal Outstanding	Debt Service [Net of Accrued Interest]	LESS DSRF Earnings @ 5.404600%	LESS Contract Assistance	Estimated Net Debt Service	PLUS Administrative Fee Payable @ 0.075%	Estimated Total Payment	Estimated Total Payment [Fiscal Year ending] 30-Jun
29-Apr-97								
01-Aug-97	\$3,599,718.00	\$48,484.09	\$24,859.21	\$2,263.87	\$21,361.01	\$1,379.89	\$22,740.90	--
01-Feb-98	3,599,718.00	236,656.18	48,637.59	71,423.86	116,594.73	2,699.79	119,294.52	\$142,035.42
01-Aug-98	3,457,922.00	91,669.77	46,721.71	3,395.80	41,552.26	2,593.44	44,145.70	--
01-Feb-99	3,457,922.00	236,100.77	46,721.71	71,423.86	117,955.20	2,593.44	120,548.64	164,694.34
01-Aug-99	3,313,491.00	88,564.50	44,770.23	3,395.80	40,398.47	2,485.12	42,883.59	--
01-Feb-2000	3,313,491.00	235,519.50	44,770.23	71,423.86	119,325.41	2,485.12	121,810.53	164,694.12
01-Aug-2000	3,166,536.00	85,258.01	42,784.65	3,395.80	39,077.56	2,374.90	41,452.46	--
01-Feb-2001	3,166,536.00	235,075.01	42,784.65	71,423.86	120,866.50	2,374.90	123,241.40	164,693.86
01-Aug-2001	3,016,719.00	81,812.22	40,760.40	3,395.80	37,656.02	2,262.54	39,918.56	--
01-Feb-2002	3,016,719.00	234,697.22	40,760.40	71,423.86	122,512.96	2,262.54	124,775.50	164,694.06
01-Aug-2002	2,863,834.00	78,181.20	38,694.69	3,395.80	36,090.71	2,147.88	38,238.59	--
01-Feb-2003	2,863,834.00	234,426.20	38,694.69	71,423.86	124,307.65	2,147.88	126,455.53	164,694.12
01-Aug-2003	2,707,589.00	74,431.32	36,583.59	3,395.80	34,451.93	2,030.69	36,482.62	--
01-Feb-2004	2,707,589.00	234,188.32	36,583.59	71,423.86	126,180.87	2,030.69	128,211.56	164,694.18
01-Aug-2004	2,547,832.00	70,437.40	34,425.03	3,395.80	32,616.57	1,910.87	34,527.44	--
01-Feb-2005	2,547,832.00	234,104.40	34,425.03	71,423.86	128,255.51	1,910.87	130,166.38	164,693.82
Aug-2005	2,384,165.00	66,345.72	32,213.65	3,395.80	30,736.27	1,788.12	32,524.39	--
Feb-2006	2,384,165.00	234,019.72	32,213.65	71,423.86	130,382.21	1,788.12	132,170.33	164,694.72
01-Aug-2006	2,216,491.00	61,315.50	29,948.12	3,395.80	27,971.58	1,662.37	29,633.95	--
01-Feb-2007	2,216,491.00	234,769.50	29,948.12	71,423.86	133,397.52	1,662.37	135,059.89	164,693.84
Aug-2007	2,043,037.00	56,111.88	27,604.49	3,395.80	25,111.59	1,532.28	26,643.87	--
Feb-2008	2,043,037.00	235,546.88	27,604.49	71,423.86	136,518.53	1,532.28	138,050.81	164,694.68
01-Aug-2008	1,863,602.00	51,401.72	25,180.06	3,395.80	22,825.86	1,397.70	24,223.56	--
01-Feb-2009	1,863,602.00	235,676.72	25,180.06	71,423.86	139,072.80	1,397.70	140,470.50	164,694.06
01-Aug-2009	1,679,327.00	46,518.43	22,690.23	3,395.80	20,432.40	1,259.50	21,691.90	--
01-Feb-2010	1,679,327.00	235,857.43	22,690.23	71,423.86	141,743.34	1,259.50	143,002.84	164,694.74
01-Aug-2010	1,489,988.00	41,406.27	20,131.97	3,395.80	17,878.50	1,117.49	18,995.99	--
01-Feb-2011	1,489,988.00	236,136.27	20,131.97	71,423.86	144,580.44	1,117.49	145,697.93	164,693.92
01-Aug-2011	1,295,258.00	36,148.56	17,500.88	3,395.80	15,251.88	971.44	16,223.32	--
01-Feb-2012	1,295,258.00	236,424.56	17,500.88	71,423.86	147,499.82	971.44	148,471.26	164,694.58
01-Aug-2012	1,094,982.00	30,640.97	14,794.85	3,395.80	12,450.32	821.24	13,271.56	--
01-Feb-2013	1,094,982.00	236,819.97	14,794.85	71,423.86	150,601.26	821.24	151,422.50	164,694.06
01-Aug-2013	888,803.00	24,971.05	12,009.06	3,395.80	9,566.19	666.60	10,232.79	--
01-Feb-2014	888,803.00	237,228.05	12,009.06	71,423.86	153,795.13	666.60	154,461.73	164,694.52
01-Aug-2014	676,546.00	19,027.86	9,141.15	3,395.80	6,490.91	507.41	6,998.32	--
01-Feb-2015	676,546.00	237,753.86	9,141.15	71,423.86	157,188.85	507.41	157,696.26	164,694.58
01-Aug-2015	457,820.00	12,876.19	6,185.83	3,395.80	3,294.56	343.37	3,637.93	--
01-Feb-2016	457,820.00	238,322.19	6,185.83	71,423.86	160,712.50	343.37	161,055.87	164,693.80
01-Aug-2016	232,374.00	6,535.52	3,139.72	3,395.80	0.00	174.28	174.28	--
01-Feb-2017	232,374.00	238,909.52	3,139.72	71,423.86	164,345.94	174.28	164,520.22	164,694.50
01-Aug-2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
	\$5,790,370.45	\$1,084,057.42	\$1,495,261.31	\$3,211,051.76	\$60,174.16	\$3,271,225.92	\$3,271,225.92	

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 5
UBWPAD
99-35
Final Loan Structuring Analysis

AMENDED SCHEDULE C

G.E. 50.00%

Schedule of Loan Repayments

Initial Loan Obligation: 182,142.00

Loan Subsidy Amounts									
Date	Scheduled Loan Repayments			DSRF Earnings	Contract Assistance	Total	Net Loan Repayment		
	Principal	Interest	Total				Principal	Interest	Total
01-Feb-05	0.00	4,307.81	4,307.81	2,425.31	0.00	2,425.31	0.00	1,882.50	1,882.50
01-Aug-05	9,901.00	4,492.72	14,393.72	2,425.31	4,346.14	6,771.45	7,622.27	0.00	7,622.27
01-Feb-06	0.00	4,740.21	4,740.21	2,293.48	212.77	2,506.25	0.00	2,233.97	2,233.97
01-Aug-06	10,142.00	4,068.58	14,210.58	2,293.48	4,320.98	6,614.46	7,596.13	0.00	7,596.13
01-Feb-07	0.00	4,625.03	4,625.03	2,158.43	212.77	2,371.20	0.00	2,253.83	2,253.83
01-Aug-07	10,429.00	3,912.92	14,341.92	2,158.43	4,453.64	6,612.07	7,729.85	0.00	7,729.85
01-Feb-08	0.00	4,506.02	4,506.02	2,019.56	212.77	2,232.33	0.00	2,273.69	2,273.69
01-Aug-08	10,698.00	3,216.25	13,914.25	2,019.56	4,321.76	6,341.32	7,572.93	0.00	7,572.93
01-Feb-09	0.00	4,408.41	4,408.41	1,877.11	212.77	2,089.88	0.00	2,318.53	2,318.53
01-Aug-09	10,972.00	3,065.25	14,037.25	1,877.11	4,464.23	6,341.34	7,695.90	0.00	7,695.90
01-Feb-10	0.00	4,299.60	4,299.60	1,731.02	212.77	1,943.79	0.00	2,355.81	2,355.81
01-Aug-10	10,000.00	2,021.75	12,021.75	1,731.02	4,039.70	5,770.72	6,251.04	0.00	6,251.04
01-Feb-11	0.00	3,956.01	3,956.01	1,597.86	212.77	1,810.63	0.00	2,145.38	2,145.38
01-Aug-11	10,000.00	2,041.77	12,041.77	1,597.86	4,243.28	5,841.14	6,200.63	0.00	6,200.63
01-Feb-12	0.00	3,824.40	3,824.40	1,464.71	212.77	1,677.48	0.00	2,146.92	2,146.92
01-Aug-12	10,000.00	2,272.32	12,272.32	1,464.71	4,358.84	5,823.54	6,448.77	0.00	6,448.77
01-Feb-13	0.00	3,281.22	3,281.22	1,331.55	212.77	1,544.32	0.00	1,736.90	1,736.90
01-Aug-13	10,000.00	2,121.21	12,121.21	1,331.55	4,453.88	5,785.43	6,335.78	0.00	6,335.78
01-Feb-14	0.00	3,072.41	3,072.41	1,198.40	212.77	1,411.17	0.00	1,661.24	1,661.24
01-Aug-14	15,000.00	1,796.05	16,796.05	1,198.40	4,317.73	5,516.13	11,279.92	0.00	11,279.92
01-Feb-15	0.00	2,437.78	2,437.78	998.66	212.77	1,211.43	0.00	1,226.35	1,226.35
01-Aug-15	15,000.00	1,556.59	16,556.59	998.66	4,316.94	5,315.60	11,240.99	0.00	11,240.99
01-Feb-16	0.00	1,869.40	1,869.40	798.93	212.77	1,011.70	0.00	857.70	857.70
01-Aug-16	15,000.00	1,343.94	16,343.94	798.93	4,338.18	5,137.11	11,206.82	0.00	11,206.82
01-Feb-17	0.00	1,299.54	1,299.54	599.20	212.77	811.97	0.00	487.57	487.57
01-Aug-17	15,000.00	1,074.30	16,074.30	599.20	4,406.72	5,005.92	11,068.38	0.00	11,068.38
01-Feb-18	0.00	731.57	731.57	399.47	156.68	556.14	0.00	175.42	175.42
01-Aug-18	15,000.00	813.30	15,813.30	399.47	4,545.86	4,945.32	10,867.98	0.00	10,867.98
01-Feb-19	0.00	304.47	304.47	199.73	104.74	304.48	0.00	0.00	0.00
01-Aug-19	15,000.00	412.50	15,412.50	199.73	4,507.07	4,706.80	10,705.70	0.00	10,705.70
01-Feb-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	\$182,142.00	\$81,873.33	\$264,015.33	\$42,186.81	\$68,249.62	\$110,436.42	\$129,823.08	\$23,755.83	\$153,578.91

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 5

UBWPAD

99-35

Final Loan Structuring Analysis

Administrative Fee Schedule

<u>Date</u>	<u>Principal Outstanding</u>	<u>Administrative Fee Payable @ 0.075000%</u>
06-Oct-1999		
01-Feb-2000	229,066.00	109.76
01-Aug-2000	229,066.00	171.80
01-Feb-2001	219,984.00	164.99
01-Aug-2001	219,984.00	164.99
01-Feb-2002	210,757.00	158.07
01-Aug-2002	210,757.00	158.07
01-Feb-2003	201,384.00	151.04
01-Aug-2003	201,384.00	151.04
01-Feb-2004	191,851.00	143.89
01-Aug-2004	191,851.00	143.89
01-Feb-2005	182,142.00	136.61
01-Aug-2005	182,142.00	136.61
01-Feb-2006	172,241.00	129.18
01-Aug-2006	172,241.00	129.18
01-Feb-2007	162,099.00	121.57
01-Aug-2007	162,099.00	121.57
01-Feb-2008	151,670.00	113.75
01-Aug-2008	151,670.00	113.75
01-Feb-2009	140,972.00	105.73
01-Aug-2009	140,972.00	105.73
01-Feb-2010	130,000.00	97.50
01-Aug-2010	130,000.00	97.50
01-Feb-2011	120,000.00	90.00
01-Aug-2011	120,000.00	90.00
01-Feb-2012	110,000.00	82.50
01-Aug-2012	110,000.00	82.50
01-Feb-2013	100,000.00	75.00
01-Aug-2013	100,000.00	75.00
01-Feb-2014	90,000.00	67.50
01-Aug-2014	90,000.00	67.50
01-Feb-2015	75,000.00	56.25
01-Aug-2015	75,000.00	56.25
01-Feb-2016	60,000.00	45.00
01-Aug-2016	60,000.00	45.00
01-Feb-2017	45,000.00	33.75
01-Aug-2017	45,000.00	33.75
01-Feb-2018	30,000.00	22.50
01-Aug-2018	30,000.00	22.50
01-Feb-2019	15,000.00	11.25
01-Aug-2019	15,000.00	11.25
01-Feb-2020	0.00	0.00
01-Aug-2020	0.00	0.00
01-Feb-2021	0.00	0.00
01-Aug-2021	0.00	0.00
01-Feb-2022	0.00	0.00
01-Aug-2022	0.00	0.00
01-Feb-2023	0.00	0.00
01-Aug-2023	0.00	0.00
01-Feb-2024	0.00	0.00
01-Aug-2024	0.00	0.00
01-Feb-2025	0.00	0.00
01-Aug-2025	0.00	0.00
01-Feb-2026	0.00	0.00
01-Aug-2026	0.00	0.00
01-Feb-2027	0.00	0.00
01-Aug-2027	0.00	0.00
01-Feb-2028	0.00	0.00
01-Aug-2028	0.00	0.00
01-Feb-2029	0.00	0.00
01-Aug-2029	0.00	0.00
01-Feb-2030	0.00	0.00
01-Aug-2030	0.00	0.00
		<u>\$3,893.72</u>

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 5
UBWPAD
98-132
Final Loan Structuring Analysis

AMENDED SCHEDULE C

G.E. 50.00%

Schedule of Loan Repayments

Initial Loan Obligation: 674,183.00

Loan Subsidy Amounts									
Date	Scheduled Loan Repayments			DSRF Earnings	Contract Assistance	Total	Net Loan Repayment		
	Principal	Interest	Total				Principal	Interest	Total
01-Feb-05	0.00	15,935.65	15,935.65	8,977.08	0.00	8,977.08	0.00	6,958.57	6,958.57
01-Aug-05	36,902.00	16,613.14	53,515.14	8,977.08	16,125.33	25,102.41	28,412.73	0.00	28,412.73
01-Feb-06	0.00	17,515.56	17,515.56	8,485.72	780.15	9,265.87	0.00	8,249.69	8,249.69
01-Aug-06	37,786.00	15,040.89	52,826.89	8,485.72	16,032.63	24,518.34	28,308.55	0.00	28,308.55
01-Feb-07	0.00	17,080.22	17,080.22	7,982.58	780.15	8,762.73	0.00	8,317.50	8,317.50
01-Aug-07	38,835.00	14,456.39	53,291.39	7,982.58	16,521.41	24,503.99	28,787.40	0.00	28,787.40
01-Feb-08	0.00	16,630.99	16,630.99	7,465.47	780.15	8,245.62	0.00	8,385.37	8,385.37
01-Aug-08	39,823.00	11,878.76	51,701.76	7,465.47	16,035.48	23,500.95	28,200.81	0.00	28,200.81
01-Feb-09	0.00	16,261.60	16,261.60	6,935.21	780.15	7,715.36	0.00	8,546.24	8,546.24
01-Aug-09	40,837.00	11,312.63	52,149.63	6,935.21	16,560.44	23,495.64	28,653.98	0.00	28,653.98
01-Feb-10	0.00	15,849.92	15,849.92	6,391.44	780.15	7,171.59	0.00	8,678.33	8,678.33
01-Aug-10	40,000.00	7,192.06	47,192.06	6,391.44	14,916.81	21,308.25	25,883.81	0.00	25,883.81
01-Feb-11	0.00	14,611.27	14,611.27	5,858.82	780.15	6,638.97	0.00	7,972.30	7,972.30
01-Aug-11	45,000.00	6,837.34	51,837.34	5,858.82	15,620.59	21,479.41	30,357.93	0.00	30,357.93
01-Feb-12	0.00	14,164.16	14,164.16	5,259.62	780.15	6,039.77	0.00	8,124.38	8,124.38
01-Aug-12	45,000.00	7,714.84	52,714.84	5,259.62	16,103.19	21,362.81	31,352.03	0.00	31,352.03
01-Feb-13	0.00	11,804.98	11,804.98	4,660.43	780.15	5,440.58	0.00	6,364.41	6,364.41
01-Aug-13	45,000.00	6,999.85	51,999.85	4,660.43	16,498.23	21,158.66	30,841.19	0.00	30,841.19
01-Feb-14	0.00	10,835.06	10,835.06	4,061.23	780.15	4,841.38	0.00	5,993.68	5,993.68
01-Aug-14	45,000.00	6,297.91	51,297.91	4,061.23	16,131.38	20,192.60	31,105.31	0.00	31,105.31
01-Feb-15	0.00	8,328.28	8,328.28	3,462.03	780.15	4,242.18	0.00	4,086.10	4,086.10
01-Aug-15	50,000.00	5,453.61	55,453.61	3,462.03	16,078.82	19,540.85	35,912.75	0.00	35,912.75
01-Feb-16	0.00	6,517.48	6,517.48	2,796.26	780.15	3,576.41	0.00	2,941.07	2,941.07
01-Aug-16	50,000.00	4,749.41	54,749.41	2,796.26	16,149.91	18,946.16	35,803.25	0.00	35,803.25
01-Feb-17	0.00	4,613.84	4,613.84	2,130.48	780.15	2,910.63	0.00	1,703.21	1,703.21
01-Aug-17	50,000.00	3,858.77	53,858.77	2,130.48	16,382.04	18,512.52	35,346.25	0.00	35,346.25
01-Feb-18	0.00	2,682.42	2,682.42	1,464.71	574.48	2,039.19	0.00	643.23	643.23
01-Aug-18	55,000.00	2,982.10	57,982.10	1,464.71	16,860.50	18,325.21	39,656.89	0.00	39,656.89
01-Feb-19	0.00	1,116.41	1,116.41	732.35	384.05	1,116.40	0.00	0.00	0.00
01-Aug-19	55,000.00	1,512.50	56,512.50	732.35	16,718.28	17,450.63	39,061.87	0.00	39,061.87
01-Feb-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
							\$674,183.00	\$296,848.03	\$971,031.03
							\$153,326.81	\$253,055.38	\$406,382.19
							\$477,684.75	\$86,964.09	\$564,648.84

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 5

UBWPAD

98-132

Final Loan Structuring Analysis

Administrative Fee Schedule

<u>Date</u>	<u>Principal Outstanding</u>	<u>Administrative Fee Payable @ 0.075000%</u>
06-Oct-1999		
01-Feb-2000	849,233.00	406.92
01-Aug-2000	849,233.00	636.92
01-Feb-2001	815,331.00	611.50
01-Aug-2001	815,331.00	611.50
01-Feb-2002	780,899.00	585.67
01-Aug-2002	780,899.00	585.67
01-Feb-2003	745,933.00	559.45
01-Aug-2003	745,933.00	559.45
01-Feb-2004	710,381.00	532.79
01-Aug-2004	710,381.00	532.79
01-Feb-2005	674,183.00	505.64
01-Aug-2005	674,183.00	505.64
01-Feb-2006	637,281.00	477.96
01-Aug-2006	637,281.00	477.96
01-Feb-2007	599,495.00	449.62
01-Aug-2007	599,495.00	449.62
01-Feb-2008	560,660.00	420.50
01-Aug-2008	560,660.00	420.50
01-Feb-2009	520,837.00	390.63
01-Aug-2009	520,837.00	390.63
01-Feb-2010	480,000.00	360.00
01-Aug-2010	480,000.00	360.00
01-Feb-2011	440,000.00	330.00
01-Aug-2011	440,000.00	330.00
01-Feb-2012	395,000.00	296.25
01-Aug-2012	395,000.00	296.25
01-Feb-2013	350,000.00	262.50
01-Aug-2013	350,000.00	262.50
01-Feb-2014	305,000.00	228.75
01-Aug-2014	305,000.00	228.75
01-Feb-2015	260,000.00	195.00
01-Aug-2015	260,000.00	195.00
01-Feb-2016	210,000.00	157.50
01-Aug-2016	210,000.00	157.50
01-Feb-2017	160,000.00	120.00
01-Aug-2017	160,000.00	120.00
01-Feb-2018	110,000.00	82.50
01-Aug-2018	110,000.00	82.50
01-Feb-2019	55,000.00	41.25
01-Aug-2019	55,000.00	41.25
01-Feb-2020	0.00	0.00
01-Aug-2020	0.00	0.00
01-Feb-2021	0.00	0.00
01-Aug-2021	0.00	0.00
01-Feb-2022	0.00	0.00
01-Aug-2022	0.00	0.00
01-Feb-2023	0.00	0.00
01-Aug-2023	0.00	0.00
01-Feb-2024	0.00	0.00
01-Aug-2024	0.00	0.00
01-Feb-2025	0.00	0.00
01-Aug-2025	0.00	0.00
01-Feb-2026	0.00	0.00
01-Aug-2026	0.00	0.00
01-Feb-2027	0.00	0.00
01-Aug-2027	0.00	0.00
01-Feb-2028	0.00	0.00
01-Aug-2028	0.00	0.00
01-Feb-2029	0.00	0.00
01-Aug-2029	0.00	0.00
01-Feb-2030	0.00	0.00
01-Aug-2030	0.00	0.00
		<u>\$14,258.86</u>

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 7
U.B.W.P.A.D.
00-41
Final Loan Structuring Analysis

AMENDED SCHEDULE C

G.E. 50.00%

Schedule of Loan Repayments

Initial Loan Obligation: 446,769.00				Loan Subsidy Amounts					
Scheduled Loan Repayments							Net Loan Repayment		
Date	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
01-Feb-05	21,036.00	9,122.09	30,158.09	5,172.13	8,627.59	13,799.72	16,358.37	0.00	16,358.37
01-Aug-05	0.00	10,084.84	10,084.84	4,928.60	203.16	5,131.77	0.00	4,953.08	4,953.08
01-Feb-06	21,377.00	10,084.84	31,461.84	4,928.60	9,293.03	14,221.64	17,240.21	0.00	17,240.21
01-Aug-06	0.00	10,190.60	10,190.60	4,681.13	469.81	5,150.94	0.00	5,039.66	5,039.66
01-Feb-07	21,778.00	9,651.97	31,429.97	4,681.13	9,290.37	13,971.49	17,458.48	0.00	17,458.48
01-Aug-07	0.00	9,723.23	9,723.23	4,429.01	453.90	4,882.91	0.00	4,840.31	4,840.31
01-Feb-08	22,186.00	9,210.08	31,396.08	4,429.01	9,287.20	13,716.21	17,679.87	0.00	17,679.87
01-Aug-08	0.00	9,311.32	9,311.32	4,172.17	469.81	4,641.98	0.00	4,669.34	4,669.34
01-Feb-09	22,747.00	8,758.18	31,505.18	4,172.17	9,283.11	13,455.28	18,049.90	0.00	18,049.90
01-Aug-09	0.00	8,714.21	8,714.21	3,908.83	469.81	4,378.64	0.00	4,335.57	4,335.57
01-Feb-10	23,468.00	8,714.21	32,182.21	3,908.83	9,559.68	13,468.51	18,713.70	0.00	18,713.70
01-Aug-10	0.00	8,098.18	8,098.18	3,637.15	469.81	4,106.96	0.00	3,991.22	3,991.22
01-Feb-11	24,177.00	8,098.18	32,275.18	3,637.15	9,559.68	13,196.83	19,078.35	0.00	19,078.35
01-Aug-11	0.00	7,493.75	7,493.75	3,357.26	469.81	3,827.07	0.00	3,666.68	3,666.68
01-Feb-12	25,000.00	7,493.75	32,493.75	3,357.26	9,559.68	12,916.94	19,576.81	0.00	19,576.81
01-Aug-12	0.00	6,837.50	6,837.50	3,067.84	469.81	3,537.65	0.00	3,299.85	3,299.85
01-Feb-13	25,000.00	6,236.03	31,236.03	3,067.84	9,258.95	12,326.78	18,909.25	0.00	18,909.25
01-Aug-13	0.00	6,181.25	6,181.25	2,778.42	469.81	3,248.23	0.00	2,933.02	2,933.02
01-Feb-14	25,000.00	5,482.86	30,482.86	2,778.42	9,210.48	11,988.90	18,493.95	0.00	18,493.95
01-Aug-14	0.00	5,525.00	5,525.00	2,489.00	469.81	2,958.81	0.00	2,566.19	2,566.19
01-Feb-15	30,000.00	5,331.45	35,331.45	2,489.00	9,462.90	11,951.91	23,379.54	0.00	23,379.54
01-Aug-15	0.00	4,737.50	4,737.50	2,141.70	469.81	2,611.51	0.00	2,125.99	2,125.99
01-Feb-16	30,000.00	4,400.33	34,400.33	2,141.70	9,391.10	11,532.79	22,867.54	0.00	22,867.54
01-Aug-16	0.00	3,950.00	3,950.00	1,794.40	469.81	2,264.21	0.00	1,685.79	1,685.79
01-Feb-17	30,000.00	3,487.46	33,487.46	1,794.40	9,328.41	11,122.81	22,364.66	0.00	22,364.66
01-Aug-17	0.00	3,162.50	3,162.50	1,447.09	469.81	1,916.90	0.00	1,245.60	1,245.60
01-Feb-18	30,000.00	2,392.18	32,392.18	1,447.09	9,174.52	10,621.61	21,770.56	0.00	21,770.56
01-Aug-18	0.00	2,375.00	2,375.00	1,099.79	469.81	1,569.60	0.00	805.40	805.40
01-Feb-19	30,000.00	1,124.15	31,124.15	1,099.79	8,934.26	10,034.05	21,090.11	0.00	21,090.11
01-Aug-19	0.00	1,625.00	1,625.00	752.49	469.81	1,222.30	0.00	402.70	402.70
01-Feb-20	30,000.00	61.57	30,061.57	752.49	8,777.96 *	9,530.45	20,531.12	0.00	20,531.12
01-Aug-20	0.00	875.00	875.00	405.19	469.81	875.00	0.00	0.00	0.00
01-Feb-21	35,000.00	0.00	35,000.00	405.19	10,248.06 *	10,653.24	24,346.76	0.00	24,346.76
01-Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	446,769.00	198,534.22	645,303.22	95,352.26	165,481.38	260,833.64	337,909.16	46,560.41	384,469.58

*Includes a credit for debt service savings the Trust expects to receive on such Loan Repayment Date as a result of the refunding of a portion of the Bonds, which savings are allocable to the Borrower pursuant to Section 4(h) of the Loan Agreement.

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)

Series 7

U A.D. O.B.W. PAD
Acting Analysis 00-41

Estimated Net Borrower Debt Service

Date	Principal Outstanding	Debt Service [Net of Accrued Interest]	LESS DSRF Earnings @ 4.630700%	LESS Contract Assistance	Estimated Net Debt Service	PLUS Administrative Fee Payable @ 0.075%	Estimated Total Payment	Estimated Total Payment [Fiscal Year ending] 30-Jun
26-Jul-01								
01-Feb-02	\$492,095.00	\$16,035.96	\$5,855.11	\$2,879.37	\$7,301.48	\$379.32	\$7,680.80	\$7,680.80
01-Aug-02	488,112.00	11,637.58	5,650.75	469.81	5,517.02	366.08	5,883.10	—
01-Feb-03	488,112.00	32,205.58	5,650.75	9,559.68	16,995.15	366.08	17,361.23	23,244.33
01-Aug-03	467,544.00	11,329.06	5,412.64	469.81	5,446.61	350.66	5,797.27	—
01-Feb-04	467,544.00	32,104.06	5,412.64	9,559.68	17,131.74	350.66	17,482.40	23,279.67
01-Aug-04	446,769.00	10,986.27	5,172.13	469.81	5,344.33	335.08	5,679.41	—
01-Feb-05	446,769.00	32,022.27	5,172.13	9,559.68	17,290.46	335.08	17,625.54	23,304.95
01-Aug-05	425,733.00	10,618.14	4,928.60	469.81	5,219.73	319.30	5,539.03	—
01-Feb-06	425,733.00	31,995.14	4,928.60	9,559.68	17,506.86	319.30	17,826.16	23,365.19
01-Aug-06	404,356.00	10,190.60	4,681.13	469.81	5,039.66	303.27	5,342.93	—
01-Feb-07	404,356.00	31,968.60	4,681.13	9,559.68	17,727.79	303.27	18,031.06	23,373.99
01-Aug-07	382,578.00	9,755.04	4,429.01	469.81	4,856.22	286.93	5,143.15	—
01-Feb-08	382,578.00	31,941.04	4,429.01	9,559.68	17,952.35	286.93	18,239.28	23,382.43
01-Aug-08	360,392.00	9,311.32	4,172.17	469.81	4,669.34	270.29	4,939.63	—
01-Feb-09	360,392.00	32,058.32	4,172.17	9,559.68	18,326.47	270.29	18,596.76	23,536.39
01-Aug-09	337,645.00	8,714.21	3,908.83	469.81	4,335.57	253.23	4,588.80	—
01-Feb-10	337,645.00	32,182.21	3,908.83	9,559.68	18,713.70	253.23	18,966.93	23,555.73
01-Aug-10	314,177.00	8,098.18	3,637.15	469.81	3,991.22	235.63	4,226.85	—
01-Feb-11	314,177.00	32,275.18	3,637.15	9,559.68	19,078.35	235.63	19,313.98	23,540.83
01-Aug-11	290,000.00	7,493.75	3,357.26	469.81	3,666.68	217.50	3,884.18	—
01-Feb-12	290,000.00	32,493.75	3,357.26	9,559.68	19,576.81	217.50	19,794.31	23,678.49
01-Aug-12	265,000.00	6,837.50	3,067.84	469.81	3,299.85	198.75	3,498.60	—
01-Feb-13	265,000.00	31,837.50	3,067.84	9,559.68	19,209.98	198.75	19,408.73	22,907.33
01-Aug-13	240,000.00	6,181.25	2,778.42	469.81	2,933.02	180.00	3,113.02	—
01-Feb-14	240,000.00	31,181.25	2,778.42	9,559.68	18,843.15	180.00	19,023.15	22,136.17
01-Aug-14	215,000.00	5,525.00	2,489.00	469.81	2,566.19	161.25	2,727.44	—
01-Feb-15	215,000.00	35,525.00	2,489.00	9,559.68	23,476.32	161.25	23,637.57	26,365.01
01-Aug-15	185,000.00	4,737.50	2,141.70	469.81	2,125.99	138.75	2,264.74	—
01-Feb-16	185,000.00	34,737.50	2,141.70	9,559.68	23,036.12	138.75	23,174.87	25,439.61
01-Aug-16	155,000.00	3,950.00	1,794.40	469.81	1,685.79	116.25	1,802.04	—
01-Feb-17	155,000.00	33,950.00	1,794.40	9,559.68	22,595.92	116.25	22,712.17	24,514.21
01-Aug-17	125,000.00	3,162.50	1,447.09	469.81	1,245.60	93.75	1,339.35	—
01-Feb-18	125,000.00	33,162.50	1,447.09	9,559.68	22,155.73	93.75	22,249.48	23,588.83
01-Aug-18	95,000.00	2,375.00	1,099.79	469.81	805.40	71.25	876.65	—
01-Feb-19	95,000.00	32,375.00	1,099.79	9,559.68	21,715.53	71.25	21,786.78	22,663.43
01-Aug-19	65,000.00	1,625.00	752.49	469.81	402.70	48.75	451.45	—
01-Feb-20	65,000.00	31,625.00	752.49	9,559.68	21,312.83	48.75	21,361.58	21,813.03
01-Aug-20	35,000.00	875.00	405.19	469.81	0.00	26.25	26.25	—
01-Feb-21	35,000.00	35,875.00	405.19	9,559.68	25,910.13	26.25	25,936.38	25,962.63
01-Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—
01-Feb-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—
01-Feb-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—
01-Feb-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—
01-Feb-26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—
01-Feb-27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—
01-Feb-28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—
01-Feb-29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—
01-Feb-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—
01-Feb-31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—
01-Feb-32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—
	\$770,953.76	\$128,506.29	\$193,439.68	\$449,007.79	\$8,325.26	\$457,333.05	\$457,333.05	

Average Annual Net Debt Service: \$23,009.65

Max: 26,365.01
Min: 21,813.03
Span: 4,551.98

Net Borrower Savings due to 2006 Refunding: 2,889,898.42

G.E. 2.00%

Schedule of Payments

Initial Principal Amount: 44,551,716.73

Schedule of Payments				Subsidy Amounts			Net Payments		
	Principal	Interest	Total	Equity Earnings	Commonwealth Subsidies	Total	Principal	Interest	Total
	0.00	1,153,784.19	1,153,784.19	309,330.42	47,529.39	356,859.81	0.00	796,924.38	796,924.38
	965,265.16	1,046,326.86	2,011,592.02	290,997.56	192,864.97	483,862.53	965,265.16	562,464.32	1,527,729.48
	0.00	1,022,195.23	1,022,195.23	284,692.76	37,131.88	321,824.64	0.00	700,370.58	700,370.58
	1,005,755.30	1,022,195.23	2,027,950.53	284,692.76	192,864.97	477,557.73	1,005,755.30	544,637.49	1,550,392.79
	0.00	997,051.35	997,051.35	278,123.49	37,131.88	315,255.37	0.00	681,795.98	681,795.98
	1,032,926.35	997,051.35	2,029,977.70	278,123.49	192,864.97	470,988.46	1,032,926.35	526,062.89	1,558,989.24
	0.00	981,557.45	981,557.45	271,376.74	37,131.88	308,508.62	0.00	673,048.82	673,048.82
	1,047,533.58	981,557.45	2,029,091.03	271,376.74	192,864.97	464,241.71	1,047,533.58	517,315.73	1,564,849.31
	0.00	965,844.45	965,844.45	264,534.59	37,131.88	301,666.47	0.00	664,177.98	664,177.98
	1,081,379.17	965,844.45	2,047,223.62	264,534.59	192,864.97	457,399.56	1,081,379.17	508,444.89	1,589,824.06
	0.00	938,809.97	938,809.97	257,471.36	37,131.88	294,603.25	0.00	644,206.72	644,206.72
	1,108,511.41	938,809.97	2,047,321.38	257,471.36	192,864.97	450,336.34	1,108,511.41	488,473.63	1,596,985.04
	0.00	921,073.79	921,073.79	250,230.92	37,131.88	287,362.81	0.00	633,710.98	633,710.98
	1,140,751.23	921,073.79	2,061,825.02	250,230.92	192,864.97	443,095.90	1,140,751.23	477,977.89	1,618,729.12
	0.00	891,129.07	891,129.07	242,779.90	37,131.88	279,911.78	0.00	611,217.28	611,217.28
	1,185,323.73	891,129.07	2,076,452.80	242,779.90	192,864.97	435,644.87	1,185,323.73	455,484.19	1,640,807.92
	0.00	860,014.32	860,014.32	235,037.75	37,131.88	272,169.63	0.00	587,844.69	587,844.69
	1,235,208.51	860,014.32	2,095,222.83	235,037.75	192,864.97	427,902.72	1,235,208.51	432,111.60	1,667,320.11
	0.00	827,590.10	827,590.10	226,969.76	37,131.88	264,101.64	0.00	563,488.45	563,488.45
	1,283,734.56	816,152.23	2,099,886.79	226,969.76	190,528.59	417,498.34	1,283,734.56	398,653.88	1,682,388.44
	0.00	795,981.48	795,981.48	218,584.82	37,558.68	256,143.50	0.00	539,837.99	539,837.99
	1,336,672.07	781,708.83	2,118,380.90	218,584.82	190,376.33	408,961.15	1,336,672.07	372,747.68	1,709,419.75
	0.00	760,644.09	760,644.09	209,854.10	37,507.67	247,361.77	0.00	513,282.32	513,282.32
	1,389,609.57	747,944.29	2,137,553.86	209,854.10	190,646.60	400,500.70	1,389,609.57	347,443.59	1,737,053.16
	0.00	722,653.81	722,653.81	200,777.62	36,843.79	237,621.41	0.00	485,032.41	485,032.41
	1,442,547.08	714,627.51	2,157,174.59	200,777.62	190,937.37	391,714.98	1,442,547.08	322,912.53	1,765,459.61
	0.00	682,546.32	682,546.32	191,355.36	36,017.77	227,373.13	0.00	455,173.19	455,173.19
	1,495,484.59	680,603.97	2,176,088.56	191,355.36	191,354.10	382,709.46	1,495,484.59	297,894.51	1,793,379.10
	0.00	639,955.76	639,955.76	181,587.33	34,954.87	216,542.21	0.00	423,413.56	423,413.56
	1,552,833.56	644,905.09	2,197,738.65	181,587.33	191,698.95	373,286.29	1,552,833.56	271,618.81	1,824,452.37
	0.00	594,270.38	594,270.38	171,444.72	33,552.67	204,997.39	0.00	389,272.99	389,272.99
	1,610,182.52	595,930.18	2,206,112.70	171,444.72	189,624.80	361,069.52	1,610,182.52	234,860.65	1,845,043.17
	0.00	569,640.05	569,640.05	160,927.52	36,744.20	197,671.72	0.00	371,968.33	371,968.33
	1,671,942.95	545,556.77	2,217,499.72	160,927.52	187,557.85	348,485.37	1,671,942.95	197,071.40	1,869,014.35
	0.00	548,305.39	548,305.39	150,006.93	40,924.31	190,931.24	0.00	357,374.15	357,374.15
	1,733,703.37	503,656.11	2,237,359.48	150,006.93	187,537.00	337,543.92	1,733,703.37	166,112.19	1,899,815.56
	0.00	503,452.98	503,452.98	138,682.93	45,217.09	183,900.02	0.00	319,552.95	319,552.95
	1,799,875.26	370,890.63	2,170,765.89	138,682.93	200,950.18	339,633.11	1,799,875.26	31,257.52	1,831,132.78
	0.00	460,516.85	460,516.85	126,926.72	45,217.09	172,143.81	0.00	288,373.04	288,373.04
	1,866,047.14	323,680.66	2,189,727.80	126,926.72	200,950.18	327,876.90	1,861,850.90	0.00	1,861,850.90
	0.00	415,970.11	415,970.11	114,738.30	45,217.09	159,955.39	0.00	256,014.72	256,014.72
	1,932,219.03	381,936.55	2,314,155.58	114,738.30	200,950.18	315,688.48	1,932,219.03	66,248.07	1,998,467.10
	0.00	374,612.18	374,612.18	102,117.66	45,217.09	147,334.75	0.00	227,277.42	227,277.42
	1,998,390.91	226,186.30	2,224,577.21	102,117.66	200,950.18	303,067.84	1,921,509.37	0.00	1,921,509.37
	0.00	326,935.51	326,935.51	89,064.81	45,217.09	134,281.90	0.00	192,653.61	192,653.61
	2,073,385.71	174,253.08	2,247,638.79	89,064.81	200,950.18	290,014.99	1,957,623.80	0.00	1,957,623.80
	0.00	277,413.66	277,413.66	75,522.12	45,217.09	120,739.21	0.00	156,674.45	156,674.45
	2,152,791.98	120,417.77	2,273,209.75	75,522.12	200,950.18	276,472.30	1,996,737.45	0.00	1,996,737.45
	0.00	225,931.72	225,931.72	61,460.77	45,217.09	106,677.86	0.00	119,253.86	119,253.86
	2,236,609.70	64,935.47	2,301,545.17	61,460.77	200,950.18	262,410.95	2,039,134.22	0.00	2,039,134.22
	0.00	172,364.53	172,364.53	46,851.95	45,217.09	92,069.04	0.00	80,295.49	80,295.49
	2,320,427.42	5,447.87	2,325,875.29	46,851.95	200,950.18	247,802.13	2,078,073.16	0.00	2,078,073.16
	0.00	116,759.29	116,759.29	31,695.66	45,217.09	76,912.75	0.00	39,846.53	39,846.53
	2,404,245.14	0.00	2,404,245.14	31,695.66	257,252.11	288,947.77	2,115,297.37	0.00	2,115,297.37
	0.00	61,208.99	61,208.99	15,991.90	45,217.09	61,208.99	0.00	0.00	0.00
	2,448,359.73	0.00	2,448,359.73	15,991.90	305,785.93	321,777.83	2,126,581.90	0.00	2,126,581.90

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series10
UBWPAD
CW-03-14

Revised SCHEDULE C

Financial Equivalent Interest Rate: 2.48%

Final Loan Structuring Analysis

Revised Schedule of Loan Repayments

Outstanding Principal Amount: \$44,551,716.73

	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayments		
	Principal	Interest	Total	Equity Earnings	Contract Assistance Payments	Total	Principal	Interest	Total
26-Oct-06									
01-Feb-07	\$0.00	\$1,154,320.57	\$1,154,320.57	\$309,330.42	\$48,065.77	\$357,396.19	\$0.00	\$796,924.38	\$796,924.38
01-Aug-07	965,265.16	1,085,908.28	2,051,173.44	290,997.56	200,950.18	491,947.74	965,265.16	593,960.54	1,559,225.70
01-Feb-08	0.00	1,061,776.65	1,061,776.65	284,692.75	45,217.09	329,909.84	0.00	731,866.81	731,866.81
01-Aug-08	1,005,755.30	1,061,776.65	2,067,531.95	284,692.75	200,950.18	485,642.93	1,005,755.30	576,133.72	1,581,889.02
01-Feb-09	0.00	1,036,632.77	1,036,632.77	278,123.48	45,217.09	323,340.57	0.00	713,292.20	713,292.20
01-Aug-09	1,032,926.35	1,036,632.77	2,069,559.12	278,123.48	200,950.18	479,073.66	1,032,926.35	557,559.11	1,590,485.46
01-Feb-10	0.00	1,021,138.87	1,021,138.87	271,376.74	45,217.09	316,593.83	0.00	704,545.04	704,545.04
01-Aug-10	1,047,533.58	1,021,138.87	2,068,672.45	271,376.74	200,950.18	472,326.92	1,047,533.58	548,811.95	1,596,345.53
01-Feb-11	0.00	1,005,425.87	1,005,425.87	264,534.58	45,217.09	309,751.67	0.00	695,674.20	695,674.20
01-Aug-11	1,081,379.17	1,005,425.87	2,086,805.04	264,534.58	200,950.18	465,484.76	1,081,379.17	539,941.11	1,621,320.28
01-Feb-12	0.00	978,391.39	978,391.39	257,471.36	45,217.09	302,688.45	0.00	675,702.94	675,702.94
01-Aug-12	1,108,511.41	978,391.39	2,086,902.80	257,471.36	200,950.18	458,421.54	1,108,511.41	519,969.85	1,628,481.26
01-Feb-13	0.00	960,655.21	960,655.21	250,230.92	45,217.09	295,448.01	0.00	665,207.20	665,207.20
01-Aug-13	1,140,751.23	960,655.21	2,101,406.44	250,230.92	200,950.18	451,181.10	1,140,751.23	509,474.11	1,650,225.34
01-Feb-14	0.00	930,710.49	930,710.49	242,779.90	45,217.09	287,996.99	0.00	642,713.50	642,713.50
01-Aug-14	1,185,323.73	930,710.49	2,116,034.22	242,779.90	200,950.18	443,730.08	1,185,323.73	486,980.41	1,672,304.14
01-Feb-15	0.00	899,595.74	899,595.74	235,037.74	45,217.09	280,254.83	0.00	619,340.91	619,340.91
01-Aug-15	1,235,208.51	899,595.74	2,134,804.25	235,037.74	200,950.18	435,987.92	1,235,208.51	463,607.82	1,698,816.33
01-Feb-16	0.00	867,171.52	867,171.52	226,969.76	45,217.09	272,186.85	0.00	594,984.67	594,984.67
01-Aug-16	1,283,734.56	867,171.52	2,150,906.08	226,969.76	200,950.18	427,919.94	1,283,734.56	439,251.58	1,722,986.14
01-Feb-17	0.00	833,473.49	833,473.49	218,584.82	45,217.09	263,801.91	0.00	569,671.58	569,671.58
01-Aug-17	1,336,672.07	833,473.49	2,170,145.56	218,584.82	200,950.18	419,535.00	1,336,672.07	413,938.49	1,750,610.56
01-Feb-18	0.00	798,385.84	798,385.84	209,854.10	45,217.09	255,071.19	0.00	543,314.65	543,314.65
01-Aug-18	1,389,609.57	798,385.84	2,187,995.41	209,854.10	200,950.18	410,804.28	1,389,609.57	387,581.56	1,777,191.13
01-Feb-19	0.00	763,645.60	763,645.60	200,777.61	45,217.09	245,994.70	0.00	517,650.90	517,650.90
01-Aug-19	1,442,547.08	763,645.60	2,206,192.68	200,777.61	200,950.18	401,727.79	1,442,547.08	361,917.81	1,804,464.89
01-Feb-20	0.00	727,581.93	727,581.93	191,355.36	45,217.09	236,572.45	0.00	491,009.48	491,009.48
01-Aug-20	1,495,484.59	727,581.93	2,223,066.52	191,355.36	200,950.18	392,305.54	1,495,484.59	335,276.39	1,830,760.98
01-Feb-21	0.00	690,194.81	690,194.81	181,587.33	45,217.09	226,804.42	0.00	463,390.39	463,390.39
01-Aug-21	1,552,833.56	690,194.81	2,243,028.37	181,587.33	200,950.18	382,537.51	1,552,833.56	307,657.30	1,860,490.86
01-Feb-22	0.00	651,373.97	651,373.97	171,444.72	45,217.09	216,661.81	0.00	434,712.16	434,712.16
01-Aug-22	1,610,182.52	651,373.97	2,261,556.49	171,444.72	200,950.18	372,394.90	1,610,182.52	278,979.07	1,889,161.59
01-Feb-23	0.00	611,119.41	611,119.41	160,827.53	45,217.09	206,044.62	0.00	404,974.79	404,974.79
01-Aug-23	1,671,942.95	611,119.41	2,283,062.36	160,827.53	200,950.18	361,877.71	1,671,942.95	249,241.70	1,921,184.65
01-Feb-24	0.00	569,320.84	569,320.84	150,006.92	45,217.09	195,224.01	0.00	374,096.83	374,096.83
01-Aug-24	1,733,703.37	569,320.84	2,303,024.21	150,006.92	200,950.18	350,957.10	1,733,703.37	218,363.74	1,952,067.11
01-Feb-25	0.00	525,978.25	525,978.25	138,682.93	45,217.09	183,900.02	0.00	342,078.23	342,078.23
01-Aug-25	1,799,875.26	525,978.25	2,325,853.51	138,682.93	200,950.18	339,633.11	1,799,875.26	186,345.14	1,986,220.40
01-Feb-26	0.00	480,981.37	480,981.37	126,926.72	45,217.09	172,143.81	0.00	308,837.56	308,837.56
01-Aug-26	1,866,047.14	480,981.37	2,347,028.51	126,926.72	200,950.18	327,876.90	1,866,047.14	153,104.47	2,019,151.61
01-Feb-27	0.00	434,330.19	434,330.19	114,738.30	45,217.09	159,955.39	0.00	274,374.80	274,374.80
01-Aug-27	1,932,219.03	434,330.19	2,366,549.22	114,738.30	200,950.18	315,688.48	1,932,219.03	118,641.71	2,050,860.74
01-Feb-28	0.00	390,855.26	390,855.26	102,147.66	45,217.09	147,334.75	0.00	243,520.51	243,520.51
01-Aug-28	1,998,390.91	390,855.26	2,389,246.17	102,147.66	200,950.18	303,067.84	1,998,390.91	87,787.42	2,086,178.33
01-Feb-29	0.00	340,895.49	340,895.49	89,064.82	45,217.09	134,281.91	0.00	206,613.58	206,613.58
01-Aug-29	2,073,385.71	340,895.49	2,414,281.20	89,064.82	200,950.18	290,015.00	2,073,385.71	50,880.49	2,124,266.20
01-Feb-30	0.00	289,060.85	289,060.85	75,522.12	45,217.09	120,739.21	0.00	168,321.64	168,321.64
01-Aug-30	2,152,791.98	289,060.85	2,441,852.83	75,522.12	200,950.18	276,472.30	2,152,791.98	12,588.55	2,165,380.53
01-Feb-31	0.00	235,241.05	235,241.05	61,460.77	45,217.09	106,677.86	0.00	128,563.19	128,563.19
01-Aug-31	2,236,609.70	235,241.05	2,471,850.75	61,460.77	200,950.18	262,410.95	2,236,609.70	0.00	2,236,609.70
01-Feb-32	0.00	179,325.81	179,325.81	46,851.95	45,217.09	92,069.04	0.00	87,256.77	87,256.77
01-Aug-32	2,320,427.42	179,325.81	2,499,753.23	46,851.95	200,950.18	247,802.13	2,320,427.42	0.00	2,320,427.42
01-Feb-33	0.00	121,315.12	121,315.12	31,695.66	45,217.09	76,912.75	0.00	44,402.37	44,402.37
01-Aug-33	2,404,245.14	121,315.12	2,525,560.26	31,695.66	200,950.18	232,645.84	2,404,245.14	0.00	2,404,245.14
01-Feb-34	0.00	61,208.99	61,208.99	15,991.90	45,217.09	61,208.99	0.00	0.00	0.00
01-Aug-34	2,448,359.73	61,208.99	2,509,568.72	15,991.90	200,950.18	216,942.08	2,448,359.73	0.00	2,448,359.73
	\$44,551,716.73	\$37,171,802.41	\$81,723,519.14	\$9,797,944.88	\$6,895,532.24	\$16,693,477.12	\$44,189,006.70	\$20,841,035.32	\$65,030,042.02

* Note: Interest, Equity Earnings and Contract Assistance Payments reflect partial first period.

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series10

UBWPAD
CW-03-14

Schedule of Administrative Fee [After October 26, 2006]

<u>Date</u>	<u>Principal Outstanding</u>	Administrative Fee
		Payable @ <u>0.075%</u>
26-Oct-06		
01-Feb-07	44,551,716.73	35,518.86
01-Aug-07	44,551,716.73	33,413.79
01-Feb-08	43,586,451.57	32,689.84
01-Aug-08	43,586,451.57	32,689.84
01-Feb-09	42,580,696.27	31,935.52
01-Aug-09	42,580,696.27	31,935.52
01-Feb-10	41,547,769.92	31,160.83
01-Aug-10	41,547,769.92	31,160.83
01-Feb-11	40,500,236.34	30,375.18
01-Aug-11	40,500,236.34	30,375.18
01-Feb-12	39,418,857.17	29,564.14
01-Aug-12	39,418,857.17	29,564.14
01-Feb-13	38,310,345.76	28,732.76
01-Aug-13	38,310,345.76	28,732.76
01-Feb-14	37,169,594.53	27,877.20
01-Aug-14	37,169,594.53	27,877.20
01-Feb-15	35,984,270.80	26,988.20
01-Aug-15	35,984,270.80	26,988.20
01-Feb-16	34,749,062.29	26,061.80
01-Aug-16	34,749,062.29	26,061.80
01-Feb-17	33,465,327.73	25,099.00
01-Aug-17	33,465,327.73	25,099.00
01-Feb-18	32,128,655.66	24,096.49
01-Aug-18	32,128,655.66	24,096.49
01-Feb-19	30,739,046.09	23,054.28
01-Aug-19	30,739,046.09	23,054.28
01-Feb-20	29,296,499.01	21,972.37
01-Aug-20	29,296,499.01	21,972.37
01-Feb-21	27,801,014.42	20,850.76
01-Aug-21	27,801,014.42	20,850.76
01-Feb-22	26,248,180.86	19,686.14
01-Aug-22	26,248,180.86	19,686.14
01-Feb-23	24,637,998.34	18,478.50
01-Aug-23	24,637,998.34	18,478.50
01-Feb-24	22,966,055.39	17,224.54
01-Aug-24	22,966,055.39	17,224.54
01-Feb-25	21,232,352.02	15,924.26
01-Aug-25	21,232,352.02	15,924.26
01-Feb-26	19,432,476.76	14,574.36
01-Aug-26	19,432,476.76	14,574.36
01-Feb-27	17,566,429.62	13,174.82
01-Aug-27	17,566,429.62	13,174.82
01-Feb-28	15,634,210.59	11,725.66
01-Aug-28	15,634,210.59	11,725.66
01-Feb-29	13,635,819.68	10,226.86
01-Aug-29	13,635,819.68	10,226.86
01-Feb-30	11,562,433.97	8,671.83
01-Aug-30	11,562,433.97	8,671.83
01-Feb-31	9,409,641.99	7,057.23
01-Aug-31	9,409,641.99	7,057.23
01-Feb-32	7,173,032.29	5,379.77
01-Aug-32	7,173,032.29	5,379.77
01-Feb-33	4,852,604.87	3,639.45
01-Aug-33	4,852,604.87	3,639.45
01-Feb-34	2,448,359.73	1,836.27
01-Aug-34	2,448,359.73	1,836.27
		<u>\$1,125,048.77</u>

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 10

SCHEDULE C

UBWPAD
CW-03-14
Financial Structuring Analysis

Financial Equivalent Interest Rate: 2.48%

Schedule of Payments

Initial Principal Amount: \$52,620,050.00				Subsidy Amounts						
Schedule of payments				Equity Commonwealth			Net Payments			
Date	Principal	Interest	Total	Earnings	Subsidies	Total	Principal	Interest	Total	
23-Nov-04										
01-Feb-05	\$0.00	\$476,006.16	\$476,006.16	\$129,841.21	\$51,249.59	\$181,090.80	\$0.00	\$294,915.36	\$294,915.36	
01-Aug-05	1,053,654.00	1,260,016.29	2,313,670.29	343,697.33	227,748.18	571,445.51	1,053,654.00	688,570.78	1,742,224.78	
01-Feb-06	0.00	1,246,845.61	1,246,845.61	336,815.20	51,249.59	388,064.79	0.00	858,780.82	858,780.82	
01-Aug-06	1,070,951.00	1,246,845.61	2,317,796.61	336,815.20	227,748.18	564,563.38	1,070,951.00	682,282.23	1,753,233.23	
01-Feb-07	0.00	1,230,781.35	1,230,781.35	329,820.09	51,249.59	381,069.68	0.00	849,711.67	849,711.67	
01-Aug-07	1,094,043.00	1,230,781.35	2,324,824.35	329,820.09	227,748.18	557,568.27	1,094,043.00	673,213.08	1,767,256.08	
01-Feb-08	0.00	1,203,430.27	1,203,430.27	322,674.15	51,249.59	373,923.74	0.00	829,506.53	829,506.53	
01-Aug-08	1,139,935.00	1,203,430.27	2,343,365.27	322,674.15	227,748.18	550,422.33	1,139,935.00	653,007.94	1,792,942.94	
01-Feb-09	0.00	1,174,931.90	1,174,931.90	315,228.46	51,249.59	366,478.05	0.00	808,453.85	808,453.85	
01-Aug-09	1,170,731.00	1,174,931.90	2,345,662.90	315,228.46	227,748.18	542,976.64	1,170,731.00	631,955.26	1,802,686.26	
01-Feb-10	0.00	1,157,370.93	1,157,370.93	307,581.62	51,249.59	358,831.21	0.00	798,539.72	798,539.72	
01-Aug-10	1,187,287.00	1,157,370.93	2,344,657.93	307,581.62	227,748.18	535,329.80	1,187,287.00	622,041.13	1,809,328.13	
01-Feb-11	0.00	1,139,561.63	1,139,561.63	299,826.64	51,249.59	351,076.23	0.00	788,485.40	788,485.40	
01-Aug-11	1,225,648.00	1,139,561.63	2,365,209.63	299,826.64	227,748.18	527,574.82	1,225,648.00	611,986.81	1,837,634.81	
01-Feb-12	0.00	1,108,920.43	1,108,920.43	291,821.10	51,249.59	343,070.69	0.00	765,849.74	765,849.74	
01-Aug-12	1,256,400.00	1,108,920.43	2,365,320.43	291,821.10	227,748.18	519,569.28	1,256,400.00	589,361.15	1,845,751.15	
01-Feb-13	0.00	1,088,818.03	1,088,818.03	283,614.70	51,249.59	334,864.29	0.00	753,953.74	753,953.74	
01-Aug-13	1,292,941.00	1,088,818.03	2,381,759.03	283,614.70	227,748.18	511,362.88	1,292,941.00	577,455.15	1,870,396.15	
01-Feb-14	0.00	1,054,878.33	1,054,878.33	275,169.62	51,249.59	326,419.21	0.00	728,459.12	728,459.12	
01-Aug-14	1,343,460.00	1,054,878.33	2,398,338.33	275,169.62	227,748.18	502,917.80	1,343,460.00	551,960.53	1,895,420.53	
01-Feb-15	0.00	1,019,612.50	1,019,612.50	266,394.57	51,249.59	317,644.16	0.00	701,968.34	701,968.34	
01-Aug-15	1,400,000.00	1,019,612.50	2,419,612.50	266,394.57	227,748.18	494,142.75	1,400,000.00	525,469.75	1,925,469.75	
01-Feb-16	0.00	982,862.50	982,862.50	257,250.22	51,249.59	308,499.81	0.00	674,362.69	674,362.69	
01-Aug-16	1,455,000.00	982,862.50	2,437,862.50	257,250.22	227,748.18	484,998.40	1,455,000.00	497,864.10	1,952,864.10	
01-Feb-17	0.00	944,668.75	944,668.75	247,746.63	51,249.59	298,996.22	0.00	645,672.53	645,672.53	
01-Aug-17	1,515,000.00	944,668.75	2,459,668.75	247,746.63	227,748.18	475,494.81	1,515,000.00	469,173.94	1,984,173.94	
01-Feb-18	0.00	904,900.00	904,900.00	237,851.13	51,249.59	289,100.72	0.00	615,799.28	615,799.28	
01-Aug-18	1,575,000.00	904,900.00	2,479,900.00	237,851.13	227,748.18	465,599.31	1,575,000.00	439,300.69	2,014,300.69	
01-Feb-19	0.00	865,525.00	865,525.00	227,563.73	51,249.59	278,813.32	0.00	586,711.68	586,711.68	
01-Aug-19	1,635,000.00	865,525.00	2,500,525.00	227,563.73	227,748.18	455,311.91	1,635,000.00	410,213.09	2,045,213.09	
01-Feb-20	0.00	824,650.00	824,650.00	216,884.44	51,249.59	268,134.03	0.00	556,515.97	556,515.97	
01-Aug-20	1,695,000.00	824,650.00	2,519,650.00	216,884.44	227,748.18	444,632.62	1,695,000.00	380,017.38	2,075,017.38	
01-Feb-21	0.00	782,275.00	782,275.00	205,813.24	51,249.59	257,062.83	0.00	525,212.17	525,212.17	
01-Aug-21	1,760,000.00	782,275.00	2,542,275.00	205,813.24	227,748.18	433,561.42	1,760,000.00	348,713.58	2,108,713.58	
01-Feb-22	0.00	738,275.00	738,275.00	194,317.48	51,249.59	245,567.07	0.00	492,707.93	492,707.93	
01-Aug-22	1,825,000.00	738,275.00	2,563,275.00	194,317.48	227,748.18	422,065.66	1,825,000.00	316,209.34	2,141,209.34	
01-Feb-23	0.00	692,650.00	692,650.00	182,397.17	51,249.59	233,646.76	0.00	459,003.24	459,003.24	
01-Aug-23	1,895,000.00	692,650.00	2,587,650.00	182,397.17	227,748.18	410,145.35	1,895,000.00	282,504.65	2,177,504.65	
01-Feb-24	0.00	645,275.00	645,275.00	170,019.63	51,249.59	221,269.22	0.00	424,005.78	424,005.78	
01-Aug-24	1,965,000.00	645,275.00	2,610,275.00	170,019.63	227,748.18	397,767.81	1,965,000.00	247,507.19	2,212,507.19	
01-Feb-25	0.00	596,150.00	596,150.00	157,184.88	51,249.59	208,434.47	0.00	387,715.53	387,715.53	
01-Aug-25	2,040,000.00	596,150.00	2,636,150.00	157,184.88	227,748.18	384,933.06	2,040,000.00	211,216.94	2,251,216.94	
01-Feb-26	0.00	545,150.00	545,150.00	143,860.25	51,249.59	195,109.84	0.00	350,040.16	350,040.16	
01-Aug-26	2,115,000.00	545,150.00	2,660,150.00	143,860.25	227,748.18	371,608.43	2,115,000.00	173,541.57	2,288,541.57	
01-Feb-27	0.00	492,275.00	492,275.00	130,045.75	51,249.59	181,295.34	0.00	310,979.66	310,979.66	
01-Aug-27	2,190,000.00	492,275.00	2,682,275.00	130,045.75	227,748.18	357,793.93	2,190,000.00	134,481.07	2,324,481.07	
01-Feb-28	0.00	443,000.00	443,000.00	115,741.37	51,249.59	166,990.96	0.00	276,009.04	276,009.04	
01-Aug-28	2,265,000.00	443,000.00	2,708,000.00	115,741.37	227,748.18	343,489.55	2,265,000.00	99,510.45	2,364,510.45	
01-Feb-29	0.00	386,375.00	386,375.00	100,947.12	51,249.59	152,196.71	0.00	234,178.29	234,178.29	
01-Aug-29	2,350,000.00	386,375.00	2,736,375.00	100,947.12	227,748.18	328,695.30	2,350,000.00	57,679.70	2,407,679.70	
01-Feb-30	0.00	327,625.00	327,625.00	85,597.67	51,249.59	136,847.26	0.00	190,777.74	190,777.74	
01-Aug-30	2,440,000.00	327,625.00	2,767,625.00	85,597.67	227,748.18	313,345.85	2,440,000.00	14,279.15	2,454,279.15	
01-Feb-31	0.00	266,625.00	266,625.00	69,660.37	51,249.59	120,909.96	0.00	145,715.04	145,715.04	
01-Aug-31	2,535,000.00	266,625.00	2,801,625.00	69,660.37	227,748.18	297,408.55	2,504,216.45	0.00	2,504,216.45	
01-Feb-32	0.00	203,250.00	203,250.00	53,102.56	51,249.59	104,352.15	0.00	98,897.85	98,897.85	
01-Aug-32	2,630,000.00	203,250.00	2,833,250.00	53,102.56	227,748.18	280,850.74	2,552,399.26	0.00	2,552,399.26	
01-Feb-33	0.00	137,500.00	137,500.00	35,924.24	51,249.59	87,173.83	0.00	50,326.17	50,326.17	
01-Aug-33	2,725,000.00	137,500.00	2,862,500.00	35,924.24	227,748.18	263,672.42	2,598,827.58	0.00	2,598,827.58	
01-Feb-34	0.00	69,375.00	69,375.00	18,125.41	51,249.59	69,375.00	0.00	0.00	0.00	
01-Aug-34	2,775,000.00	69,375.00	2,844,375.00	18,125.41	227,748.18	245,873.59	2,598,501.41	0.00	2,598,501.41	
01-Feb-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
01-Aug-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	\$52,620,050.00	\$46,283,136.91	\$98,903,186.91	\$12,231,497.42	\$8,369,933.10	\$20,601,430.52	\$52,208,994.70	\$26,092,761.69	\$78,301,756.39	

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 10

UBWPAD
03-14
Structuring Analysis

Estimated Net Borrower Debt Service

Date	Principal Outstanding	Debt Service [Net of Accrued Interest]	LESS DSRF Earnings @ 3.919400%	LESS Contract Assistance	Estimated Net Debt Service	PLUS Administrative Fee Payable @ 0.075%	Estimated Total Payment	Estimated Total Payment [Fiscal Year ending] 30-Jun
23-Nov-04								
01-Feb-05	\$52,620,050.00	\$476,006.16	129,841.21	\$51,249.59	\$294,915.36	\$14,909.01	\$309,824.37	\$309,824.37
01-Aug-05	52,620,050.00	2,313,670.29	343,697.33	227,759.32	1,742,213.64	39,465.04	1,781,678.68	--
01-Feb-06	51,566,396.00	1,246,845.61	336,815.20	51,249.59	858,780.82	38,674.80	897,455.62	2,679,134.30
01-Aug-06	51,566,396.00	2,317,796.61	336,815.20	227,759.32	1,753,222.09	38,674.80	1,791,896.89	--
01-Feb-07	50,495,445.00	1,230,781.35	329,820.09	51,249.59	849,711.67	37,871.58	887,583.25	2,679,480.14
01-Aug-07	50,495,445.00	2,324,824.35	329,820.09	227,759.32	1,767,244.34	37,871.58	1,805,116.52	--
01-Feb-08	49,401,402.00	1,203,430.27	322,674.15	51,249.59	829,506.33	37,051.05	866,557.58	2,671,674.10
01-Aug-08	49,401,402.00	2,343,365.27	322,674.15	227,759.32	1,792,931.80	37,051.05	1,829,982.85	--
01-Feb-09	48,261,467.00	1,174,931.90	315,228.46	51,249.59	808,463.85	36,196.10	844,649.95	2,674,632.80
01-Aug-09	48,261,467.00	2,345,662.90	315,228.46	227,759.32	1,802,675.12	36,196.10	1,838,871.22	--
01-Feb-10	47,090,736.00	1,157,370.93	307,581.62	51,249.59	798,539.72	35,318.05	833,857.77	2,672,728.99
01-Aug-10	47,090,736.00	2,344,657.93	307,581.62	227,759.32	1,809,316.99	35,318.05	1,844,635.04	--
01-Feb-11	45,903,449.00	1,139,561.63	299,826.64	51,249.59	788,485.40	34,427.59	822,912.99	2,667,548.03
01-Aug-11	45,903,449.00	2,365,209.63	299,826.64	227,759.32	1,837,623.67	34,427.59	1,872,051.26	--
01-Feb-12	44,677,801.00	1,108,920.43	291,821.10	51,249.59	765,849.74	33,508.35	799,358.09	2,671,409.35
01-Aug-12	44,677,801.00	2,365,320.43	291,821.10	227,759.32	1,845,740.01	33,508.35	1,879,248.36	--
01-Feb-13	43,421,401.00	1,088,818.03	283,614.70	51,249.59	753,953.74	32,566.05	786,519.79	2,665,768.15
01-Aug-13	43,421,401.00	2,381,759.03	283,614.70	227,759.32	1,870,385.01	32,566.05	1,902,951.06	--
01-Feb-14	42,128,460.00	1,054,878.33	275,169.62	51,249.59	728,459.12	31,596.35	760,055.47	2,663,006.53
01-Aug-14	42,128,460.00	2,398,338.33	275,169.62	227,759.32	1,895,409.39	31,596.35	1,927,005.74	--
01-Feb-15	40,785,000.00	1,019,612.50	266,394.57	51,249.59	701,968.34	30,588.75	732,557.09	2,659,562.83
01-Aug-15	40,785,000.00	2,419,612.50	266,394.57	227,759.32	1,925,458.61	30,588.75	1,956,047.36	--
01-Feb-16	39,385,000.00	982,862.50	257,250.22	51,249.59	674,362.69	29,538.75	703,901.44	2,659,948.80
01-Aug-16	39,385,000.00	2,437,862.50	257,250.22	227,759.32	1,952,852.96	29,538.75	1,982,391.71	--
01-Feb-17	37,930,000.00	944,668.75	247,746.63	51,249.59	645,672.53	28,447.50	674,120.03	2,656,511.74
01-Aug-17	37,930,000.00	2,459,668.75	247,746.63	227,759.32	1,984,162.80	28,447.50	2,012,610.30	--
01-Feb-18	36,415,000.00	904,900.00	237,851.13	51,249.59	615,799.28	27,311.25	643,110.53	2,655,720.83
01-Aug-18	36,415,000.00	2,479,900.00	237,851.13	227,759.32	2,014,289.55	27,311.25	2,041,600.80	--
01-Feb-19	34,840,000.00	865,525.00	227,563.73	51,249.59	586,711.68	26,130.00	612,841.68	2,654,442.48
01-Aug-19	34,840,000.00	2,500,525.00	227,563.73	227,759.32	2,045,201.95	26,130.00	2,071,331.95	--
01-Feb-20	33,205,000.00	824,650.00	216,884.44	51,249.59	556,515.97	24,903.75	581,419.72	2,652,751.67
01-Aug-20	33,205,000.00	2,519,650.00	216,884.44	227,759.32	2,075,006.24	24,903.75	2,099,909.99	--
01-Feb-21	31,510,000.00	782,275.00	205,813.24	51,249.59	525,212.17	23,632.50	548,844.67	2,648,754.66
01-Aug-21	31,510,000.00	2,542,275.00	205,813.24	227,759.32	2,108,702.44	23,632.50	2,132,334.94	--
01-Feb-22	29,750,000.00	738,275.00	194,317.48	51,249.59	492,707.93	22,312.50	515,020.43	2,647,355.37
01-Aug-22	29,750,000.00	2,563,275.00	194,317.48	227,759.32	2,141,198.20	22,312.50	2,163,510.70	--
01-Feb-23	27,925,000.00	692,650.00	182,397.17	51,249.59	459,003.24	20,943.75	479,946.99	2,643,457.69
01-Aug-23	27,925,000.00	2,587,650.00	182,397.17	227,759.32	2,171,493.51	20,943.75	2,198,437.26	--
01-Feb-24	26,030,000.00	645,275.00	170,019.63	51,249.59	424,005.78	19,522.50	443,528.28	2,641,965.54
01-Aug-24	26,030,000.00	2,610,275.00	170,019.63	227,759.32	2,212,496.05	19,522.50	2,232,018.55	--
01-Feb-25	24,065,000.00	596,150.00	157,184.88	51,249.59	387,715.53	18,048.75	405,764.28	2,637,782.83
01-Aug-25	24,065,000.00	2,636,150.00	157,184.88	227,759.32	2,251,205.80	18,048.75	2,269,254.55	--
01-Feb-26	22,025,000.00	545,150.00	143,860.25	51,249.59	350,040.16	16,518.75	366,558.91	2,635,813.46
01-Aug-26	22,025,000.00	2,660,150.00	143,860.25	227,759.32	2,288,530.43	16,518.75	2,305,049.18	--
01-Feb-27	19,910,000.00	492,275.00	130,045.75	51,249.59	310,979.66	14,932.50	325,912.16	2,630,961.34
01-Aug-27	19,910,000.00	2,682,275.00	130,045.75	227,759.32	2,324,469.83	14,932.50	2,339,402.33	--
01-Feb-28	17,720,000.00	443,000.00	115,741.37	51,249.59	276,009.04	13,290.00	289,299.04	2,628,701.47
01-Aug-28	17,720,000.00	2,708,000.00	115,741.37	227,759.32	2,364,499.31	13,290.00	2,377,789.31	--
01-Feb-29	15,455,000.00	386,375.00	100,947.12	51,249.59	234,178.29	11,591.25	245,769.54	2,623,558.85
01-Aug-29	15,455,000.00	2,736,375.00	100,947.12	227,759.32	2,407,668.56	11,591.25	2,419,259.81	--
01-Feb-30	13,105,000.00	327,625.00	85,597.67	51,249.59	190,777.74	9,828.75	200,606.49	2,619,866.30
01-Aug-30	13,105,000.00	2,767,625.00	85,597.67	227,759.32	2,454,268.01	9,828.75	2,464,096.76	--
01-Feb-31	10,665,000.00	266,625.00	69,660.37	51,249.59	145,715.04	7,998.75	153,713.79	2,617,810.55
01-Aug-31	10,665,000.00	2,801,625.00	69,660.37	227,759.32	2,504,205.31	7,998.75	2,512,204.06	--
01-Feb-32	8,130,000.00	203,250.00	53,102.56	51,249.59	98,897.85	6,097.50	104,995.35	2,617,199.41
01-Aug-32	8,130,000.00	2,833,250.00	53,102.56	227,759.32	2,552,388.12	6,097.50	2,558,485.62	--
01-Feb-33	5,500,000.00	137,500.00	35,924.24	51,249.59	50,326.17	4,125.00	54,451.17	2,612,936.79
01-Aug-33	5,500,000.00	2,862,500.00	35,924.24	227,759.32	2,598,816.44	4,125.00	2,602,941.44	--
01-Feb-34	2,775,000.00	69,375.00	18,125.41	51,249.59	0.00	2,081.25	2,081.25	2,605,022.69
01-Aug-34	2,775,000.00	2,844,375.00	18,125.41	227,759.32	2,598,490.27	2,081.25	2,600,571.52	--
01-Feb-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,600,571.52
01-Aug-35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
	\$98,903,186.91	\$12,231,497.42	\$8,370,267.30	\$78,301,422.19	\$1,404,481.39	\$79,705,903.58	\$79,705,903.58	

Average Annual Net Debt Service: \$2,637,398.20

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 12
Upper Blackstone
CW-03-14A
Final Structuring Analysis

SCHEDULE C

Interest Rate 2.345%

Schedule of Payments

Remaining Principal Amount: \$6,212,556.00

Date	Schedule of Payments			Admin. Fee	Origination Fee	Total
	Principal	Interest	Total	0.0750%		Due
14-Dec-06						
15-Jul-07	\$146,719.00	\$85,387.26	\$232,106.26	\$4,659.42	34,836.19	\$271,601.87
15-Jan-08	0.00	71,121.94	71,121.94	4,549.38		75,671.32
15-Jul-08	162,894.00	71,121.94	234,015.94	4,549.38		238,565.32
15-Jan-09	0.00	69,212.01	69,212.01	4,427.21		73,639.22
15-Jul-09	166,759.00	69,212.01	235,971.01	4,427.21		240,398.22
15-Jan-10	0.00	67,256.76	67,256.76	4,302.14		71,558.90
15-Jul-10	170,716.00	67,256.76	237,972.76	4,302.14		242,274.90
15-Jan-11	0.00	65,255.11	65,255.11	4,174.10		69,429.21
15-Jul-11	174,767.00	65,255.11	240,022.11	4,174.10		244,196.21
15-Jan-12	0.00	63,205.97	63,205.97	4,043.03		67,249.00
15-Jul-12	178,914.00	63,205.97	242,119.97	4,043.03		246,163.00
15-Jan-13	0.00	61,108.20	61,108.20	3,908.84		65,017.04
15-Jul-13	183,159.00	61,108.20	244,267.20	3,908.84		248,176.04
15-Jan-14	0.00	58,960.66	58,960.66	3,771.47		62,732.13
15-Jul-14	187,505.00	58,960.66	246,465.66	3,771.47		250,237.13
15-Jan-15	0.00	56,762.17	56,762.17	3,630.84		60,393.01
15-Jul-15	191,955.00	56,762.17	248,717.17	3,630.84		252,348.01
15-Jan-16	0.00	54,511.50	54,511.50	3,486.88		57,998.38
15-Jul-16	196,509.00	54,511.50	251,020.50	3,486.88		254,507.38
15-Jan-17	0.00	52,207.43	52,207.43	3,339.49		55,546.92
15-Jul-17	201,172.00	52,207.43	253,379.43	3,339.49		256,718.92
15-Jan-18	0.00	49,848.69	49,848.69	3,188.62		53,037.31
15-Jul-18	205,946.00	49,848.69	255,794.69	3,188.62		258,983.31
15-Jan-19	0.00	47,433.97	47,433.97	3,034.16		50,468.13
15-Jul-19	210,832.00	47,433.97	258,265.97	3,034.16		261,300.13
15-Jan-20	0.00	44,961.97	44,961.97	2,876.03		47,838.00
15-Jul-20	215,835.00	44,961.97	260,796.97	2,876.03		263,673.00
15-Jan-21	0.00	42,431.30	42,431.30	2,714.16		45,145.46
15-Jul-21	220,956.00	42,431.30	263,387.30	2,714.16		266,101.46
15-Jan-22	0.00	39,840.59	39,840.59	2,548.44		42,389.03
15-Jul-22	226,199.00	39,840.59	266,039.59	2,548.44		268,588.03
15-Jan-23	0.00	37,188.41	37,188.41	2,378.79		39,567.20
15-Jul-23	231,566.00	37,188.41	268,754.41	2,378.79		271,133.20
15-Jan-24	0.00	34,473.30	34,473.30	2,205.11		36,678.41
15-Jul-24	237,061.00	34,473.30	271,534.30	2,205.11		273,739.41
15-Jan-25	0.00	31,693.76	31,693.76	2,027.32		33,721.08
15-Jul-25	242,686.00	31,693.76	274,379.76	2,027.32		276,407.08
15-Jan-26	0.00	28,848.26	28,848.26	1,845.30		30,693.56
15-Jul-26	248,445.00	28,848.26	277,293.26	1,845.30		279,138.56
15-Jan-27	0.00	25,935.24	25,935.24	1,658.97		27,594.21
15-Jul-27	254,340.00	25,935.24	280,275.24	1,658.97		281,934.21
15-Jan-28	0.00	22,953.11	22,953.11	1,468.22		24,421.33
15-Jul-28	260,375.00	22,953.11	283,328.11	1,468.22		284,796.33
15-Jan-29	0.00	19,900.21	19,900.21	1,272.93		21,173.14
15-Jul-29	266,553.00	19,900.21	286,453.21	1,272.93		287,726.14
15-Jan-30	0.00	16,774.88	16,774.88	1,073.02		17,847.90
15-Jul-30	272,878.00	16,774.88	289,652.88	1,073.02		290,725.90
15-Jan-31	0.00	13,575.38	13,575.38	868.36		14,443.74
15-Jul-31	279,353.00	13,575.38	292,928.38	868.36		293,796.74
15-Jan-32	0.00	10,299.97	10,299.97	658.85		10,958.82
15-Jul-32	285,981.00	10,299.97	296,280.97	658.85		296,939.82
15-Jan-33	0.00	6,946.84	6,946.84	444.36		7,391.20
15-Jul-33	292,767.00	6,946.84	299,713.84	444.36		300,158.20
15-Jan-34	0.00	3,514.15	3,514.15	224.79		3,738.94
15-Jul-34	299,714.00	3,514.15	303,228.15	224.79		303,452.94
15-Jan-35	0.00	0.00	0.00	0.00		0.00
15-Jul-35	0.00	0.00	0.00	0.00		0.00
15-Jan-36	0.00	0.00	0.00	0.00		0.00
15-Jul-36	0.00	0.00	0.00	0.00		0.00
15-Jan-37	0.00	0.00	0.00	0.00		0.00
15-Jul-37	0.00	0.00	0.00	0.00		0.00
15-Jan-38	0.00	0.00	0.00	0.00		0.00
	\$6,212,556.00	\$2,277,830.82	\$8,490,386.82	\$144,901.04	\$34,836.19	\$8,670,124.05

Initial Loan

Obligation: 25,000,000.00

3/15/2007

Schedule of Loan Repayments*				Admin Fee	Loan Orig Fee	Total	Annual Total	Allocated
Date	Principal	Interest	Total	Fee (0.15%)	(5.61 per \$1,000)	Due	Due	CA
15-Jul-07	5,000.00	191,833.33	196,833.33	18,750.00	140,250.00	355,833.33	-	-
15-Jan-08		287,692.45	287,692.45	18,746.25		306,438.70	484,525.78	-
15-Jul-08	5,000.00	287,692.45	292,692.45	18,746.25		311,438.70	-	-
15-Jan-09		287,634.90	287,634.90	18,742.50		306,377.40	580,327.35	-
15-Jul-09	633,172.04	287,634.90	920,806.94	18,742.50		939,549.44		8,337.50
15-Jan-10		280,347.09	280,347.09	18,267.62		298,614.71	1,201,154.03	57,256.80
15-Jul-10	658,150.25	280,347.09	938,497.34	18,267.62		956,764.97		8,035.01
15-Jan-11		272,771.78	272,771.78	17,774.01		290,545.79	1,211,269.13	58,411.89
15-Jul-11	673,477.29	272,771.78	946,249.07	17,774.01		964,023.08		8,149.03
15-Jan-12		265,020.06	265,020.06	17,268.90		282,288.96	1,211,269.13	58,813.75
15-Jul-12	689,161.26	265,020.06	954,181.31	17,268.90		971,450.21		10,724.11
15-Jan-13		257,087.81	257,087.81	16,752.03		273,839.84	1,211,269.13	55,980.18
15-Jul-13	705,210.48	257,087.81	962,298.29	16,752.03		979,050.32		9,698.40
15-Jan-14		248,970.84	248,970.84	16,223.12		265,193.96	1,211,269.13	56,326.10
15-Jul-14	721,633.45	248,970.84	970,604.29	16,223.12		986,827.41		15,049.67
15-Jan-15		240,664.84	240,664.84	15,681.90		256,346.73	1,211,269.13	53,206.55
15-Jul-15	738,438.88	240,664.84	979,103.72	15,681.90		994,785.62		16,553.33
15-Jan-16		232,165.41	232,165.41	15,128.07		247,293.47	1,211,269.13	49,920.56
15-Jul-16	755,635.68	232,165.41	987,801.09	15,128.07		1,002,929.15		21,070.56
15-Jan-17		223,468.04	223,468.04	14,561.34		238,029.38	1,211,269.13	46,412.68
15-Jul-17	773,232.96	223,468.04	996,701.00	14,561.34		1,011,262.34		23,179.82
15-Jan-18		214,568.13	214,568.13	13,981.42		228,549.54	1,211,269.13	42,717.49
15-Jul-18	791,240.04	214,568.13	1,005,808.17	13,981.42		1,019,789.59		28,263.20
15-Jan-19		205,460.95	205,460.95	13,387.99		218,848.94	1,211,269.13	38,779.74
15-Jul-19	809,666.48	205,460.95	1,015,127.43	13,387.99		1,028,515.42		30,899.02
15-Jan-20		196,141.69	196,141.69	12,780.74		208,922.43	1,211,269.13	34,634.23
15-Jul-20	828,522.03	196,141.69	1,024,663.72	12,780.74		1,037,444.46		36,469.23
15-Jan-21		186,605.41	186,605.41	12,159.34		198,764.75	1,211,269.13	30,225.95
15-Jul-21	847,816.68	186,605.41	1,034,422.09	12,159.34		1,046,581.43		37,766.30
15-Jan-22		176,847.04	176,847.04	11,523.48		188,370.52	1,211,269.13	29,255.17
15-Jul-22	867,560.68	176,847.04	1,044,407.71	11,523.48		1,055,931.20		38,480.17
15-Jan-23		166,861.41	166,861.41	10,872.81		177,734.22	1,211,269.13	27,804.47
15-Jul-23	887,764.47	166,861.41	1,054,625.88	10,872.81		1,065,498.69		40,040.19
15-Jan-24		156,643.24	156,643.24	10,206.99		166,850.23	1,211,269.13	26,283.51
15-Jul-24	908,438.77	156,643.24	1,065,082.01	10,206.99		1,075,289.00		44,630.66
15-Jan-25		146,187.11	146,187.11	9,525.66		155,712.77	1,211,269.13	22,334.18
15-Jul-25	929,594.53	146,187.11	1,075,781.65	9,525.66		1,085,307.30		46,310.96
15-Jan-26		135,487.48	135,487.48	8,828.46		144,315.94	1,211,269.13	20,119.15
15-Jul-26	951,242.97	135,487.48	1,086,730.45	8,828.46		1,095,558.92		43,876.29
15-Jan-27		124,538.67	124,538.67	8,115.03		132,653.70	1,211,269.13	22,006.82
15-Jul-27	973,395.56	124,538.67	1,097,934.24	8,115.03		1,106,049.27		46,825.39
15-Jan-28		113,334.89	113,334.89	7,384.98		120,719.87	1,211,269.13	19,566.55
15-Jul-28	996,064.04	113,334.89	1,109,398.93	7,384.98		1,116,783.92		48,502.62
15-Jan-29		101,870.19	101,870.19	6,637.94		108,508.13	1,211,269.13	17,021.07
15-Jul-29	1,019,260.43	101,870.19	1,121,130.62	6,637.94		1,127,768.56		-
15-Jan-30		90,138.51	90,138.51	5,873.49		96,012.00	1,211,269.13	-
15-Jul-30	1,042,997.01	90,138.51	1,133,135.52	5,873.49		1,139,009.01		-
15-Jan-31		78,133.61	78,133.61	5,091.24		83,224.85	1,211,269.13	-
15-Jul-31	1,067,286.37	78,133.61	1,145,419.98	5,091.24		1,150,511.22		-
15-Jan-32		65,849.14	65,849.14	4,290.78		70,139.92	1,211,269.13	-
15-Jul-32	1,092,141.39	65,849.14	1,157,990.53	4,290.78		1,162,281.31		-
15-Jan-33		53,278.60	53,278.60	3,471.67		56,750.27	1,211,269.13	-
15-Jul-33	1,117,575.22	53,278.60	1,170,853.82	3,471.67		1,174,325.49		-
15-Jan-34		40,415.31	40,415.31	2,633.49		43,048.80	1,211,269.13	-
15-Jul-34	1,143,601.37	40,415.31	1,184,016.67	2,633.49		1,186,650.16		-
15-Jan-35		27,252.45	27,252.45	1,775.79		29,028.24	1,211,269.13	-
15-Jul-35	1,170,233.61	27,252.45	1,197,486.06	1,775.79		1,199,261.85		-
15-Jan-36		13,783.06	13,783.06	898.11		14,681.18	1,211,269.13	-
15-Jul-36	1,197,486.06	13,783.06	1,211,269.13	898.11		1,212,167.24		-
15-Jan-37		0	0	0		0	1,211,269.13	-
15-Jul-37	0	0	0	0		0		-
	25,000,000.00	9,970,273.54	34,970,273.53	655,920.30	140,250.00	35,766,443.83	34,970,273.53	1,329,938.30

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 13
UBWPAD
CW-06-17-A
Final Structuring Analysis

SCHEDULE C

Interest Rate: 2.414%

Schedule of Payments

Initial Principal Amount: \$12,000,000.00

Date	Schedule of Payments			Admin. Fee	Origination Fee	Total
	Principal	Interest	Total	0.00075		Due
18-Dec-07						
15-Jul-08	\$254,828.00	\$166,565.99	\$421,393.99	\$9,000.00	76,800.00	\$507,193.99
15-Jan-09	0.00	141,764.22	141,764.22	8,808.88		150,573.10
15-Jul-09	283,046.00	141,764.22	424,810.22	8,808.88		433,619.10
15-Jan-10	0.00	138,347.86	138,347.86	8,596.59		146,944.45
15-Jul-10	289,962.00	138,347.86	428,309.86	8,596.59		436,906.45
15-Jan-11	0.00	134,848.02	134,848.02	8,379.12		143,227.14
15-Jul-11	297,048.00	134,848.02	431,896.02	8,379.12		440,275.14
15-Jan-12	0.00	131,262.65	131,262.65	8,156.34		139,418.99
15-Jul-12	304,306.00	131,262.65	435,568.65	8,156.34		443,724.99
15-Jan-13	0.00	127,589.67	127,589.67	7,928.11		135,517.78
15-Jul-13	311,742.00	127,589.67	439,331.67	7,928.11		447,259.78
15-Jan-14	0.00	123,826.95	123,826.95	7,694.30		131,521.25
15-Jul-14	319,359.00	123,826.95	443,185.95	7,694.30		450,880.25
15-Jan-15	0.00	119,972.28	119,972.28	7,454.78		127,427.06
15-Jul-15	327,163.00	119,972.28	447,135.28	7,454.78		454,590.06
15-Jan-16	0.00	116,023.43	116,023.43	7,209.41		123,232.84
15-Jul-16	335,157.00	116,023.43	451,180.43	7,209.41		458,389.84
15-Jan-17	0.00	111,978.08	111,978.08	6,958.04		118,936.12
15-Jul-17	343,346.00	111,978.08	455,324.08	6,958.04		462,282.12
15-Jan-18	0.00	107,833.90	107,833.90	6,700.53		114,534.43
15-Jul-18	351,736.00	107,833.90	459,569.90	6,700.53		466,270.43
15-Jan-19	0.00	103,588.44	103,588.44	6,436.73		110,025.17
15-Jul-19	360,331.00	103,588.44	463,919.44	6,436.73		470,356.17
15-Jan-20	0.00	99,239.25	99,239.25	6,166.48		105,405.73
15-Jul-20	369,135.00	99,239.25	468,374.25	6,166.48		474,540.73
15-Jan-21	0.00	94,783.79	94,783.79	5,889.63		100,673.42
15-Jul-21	378,155.00	94,783.79	472,938.79	5,889.63		478,828.42
15-Jan-22	0.00	90,219.46	90,219.46	5,606.01		95,825.47
15-Jul-22	387,395.00	90,219.46	477,614.46	5,606.01		483,220.47
15-Jan-23	0.00	85,543.60	85,543.60	5,315.47		90,859.07
15-Jul-23	396,861.00	85,543.60	482,404.60	5,315.47		487,720.07
15-Jan-24	0.00	80,753.49	80,753.49	5,017.82		85,771.31
15-Jul-24	406,558.00	80,753.49	487,311.49	5,017.82		492,329.31
15-Jan-25	0.00	75,846.33	75,846.33	4,712.90		80,559.23
15-Jul-25	416,493.00	75,846.33	492,339.33	4,712.90		497,052.23
15-Jan-26	0.00	70,819.26	70,819.26	4,400.53		75,219.79
15-Jul-26	426,670.00	70,819.26	497,489.26	4,400.53		501,889.79
15-Jan-27	0.00	65,669.36	65,669.36	4,080.53		69,749.89
15-Jul-27	437,095.00	65,669.36	502,764.36	4,080.53		506,844.89
15-Jan-28	0.00	60,393.62	60,393.62	3,752.71		64,146.33
15-Jul-28	447,776.00	60,393.62	508,169.62	3,752.71		511,922.33
15-Jan-29	0.00	54,988.97	54,988.97	3,416.88		58,405.85
15-Jul-29	458,717.00	54,988.97	513,705.97	3,416.88		517,122.85
15-Jan-30	0.00	49,452.25	49,452.25	3,072.84		52,525.09
15-Jul-30	469,926.00	49,452.25	519,378.25	3,072.84		522,451.09
15-Jan-31	0.00	43,780.25	43,780.25	2,720.40		46,500.65
15-Jul-31	481,408.00	43,780.25	525,188.25	2,720.40		527,908.65
15-Jan-32	0.00	37,969.65	37,969.65	2,359.34		40,328.99
15-Jul-32	493,172.00	37,969.65	531,141.65	2,359.34		533,500.99
15-Jan-33	0.00	32,017.07	32,017.07	1,989.46		34,006.53
15-Jul-33	505,222.00	32,017.07	537,239.07	1,989.46		539,228.53
15-Jan-34	0.00	25,919.04	25,919.04	1,610.54		27,529.58
15-Jul-34	517,567.00	25,919.04	543,486.04	1,610.54		545,096.58
15-Jan-35	0.00	19,672.00	19,672.00	1,222.37		20,894.37
15-Jul-35	530,214.00	19,672.00	549,886.00	1,222.37		551,108.37
15-Jan-36	0.00	13,272.32	13,272.32	824.71		14,097.03
15-Jul-36	543,170.00	13,272.32	556,442.32	824.71		557,267.03
15-Jan-37	0.00	6,716.26	6,716.26	417.33		7,133.59
15-Jul-37	556,442.00	6,716.26	563,158.26	417.33		563,575.59
15-Jan-38	0.00	0.00	0.00	0.00		0.00
15-Jul-38	0.00	0.00	0.00	0.00		0.00
15-Jan-39	0.00	0.00	0.00	0.00		0.00
	\$12,000,000.00	\$4,894,748.93	\$16,894,748.93	\$302,797.56	\$76,800.00	\$17,274,346.49

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
State Revolving Fund Bonds
Series 14

SCHEDULE C

Upper Blackstone WPAD
CW-06-17-B
Final Structuring Analysis

Interest Rate: 2.421%

Schedule of Payments

Initial Principal Amount: \$23,200,000.00

Date	Schedule of Payments			Admin. Fee 0.07500%	Origination Fee	Total Due
	Principal	Interest	Total			
18-Mar-09						
15-Jul-09	\$627,496.00	\$182,543.41	\$810,039.41	\$17,400.00	144,536.00	\$971,975.41
15-Jan-10	0.00	273,240.17	273,240.17	16,929.38		290,169.55
15-Jul-10	543,377.00	273,240.17	816,617.17	16,929.38		833,546.55
15-Jan-11	0.00	266,662.59	266,662.59	16,521.85		283,184.44
15-Jul-11	556,693.00	266,662.59	823,355.59	16,521.85		839,877.44
15-Jan-12	0.00	259,923.82	259,923.82	16,104.33		276,028.15
15-Jul-12	570,336.00	259,923.82	830,259.82	16,104.33		846,364.15
15-Jan-13	0.00	253,019.91	253,019.91	15,676.57		268,696.48
15-Jul-13	584,313.00	253,019.91	837,332.91	15,676.57		853,009.48
15-Jan-14	0.00	245,946.80	245,946.80	15,238.34		261,185.14
15-Jul-14	598,632.00	245,946.80	844,578.80	15,238.34		859,817.14
15-Jan-15	0.00	238,700.36	238,700.36	14,789.36		253,489.72
15-Jul-15	613,303.00	238,700.36	852,003.36	14,789.36		866,792.72
15-Jan-16	0.00	231,276.32	231,276.32	14,329.39		245,605.71
15-Jul-16	628,333.00	231,276.32	859,609.32	14,329.39		873,938.71
15-Jan-17	0.00	223,670.35	223,670.35	13,858.14		237,528.49
15-Jul-17	643,731.00	223,670.35	867,401.35	13,858.14		881,259.49
15-Jan-18	0.00	215,877.99	215,877.99	13,375.34		229,253.33
15-Jul-18	659,507.00	215,877.99	875,384.99	13,375.34		888,760.33
15-Jan-19	0.00	207,894.66	207,894.66	12,880.71		220,775.37
15-Jul-19	675,669.00	207,894.66	883,563.66	12,880.71		896,444.37
15-Jan-20	0.00	199,715.68	199,715.68	12,373.96		212,089.64
15-Jul-20	692,227.00	199,715.68	891,942.68	12,373.96		904,316.64
15-Jan-21	0.00	191,336.27	191,336.27	11,854.79		203,191.06
15-Jul-21	709,192.00	191,336.27	900,528.27	11,854.79		912,383.06
15-Jan-22	0.00	182,751.50	182,751.50	11,322.89		194,074.39
15-Jul-22	726,571.00	182,751.50	909,322.50	11,322.89		920,645.39
15-Jan-23	0.00	173,956.36	173,956.36	10,777.97		184,734.33
15-Jul-23	744,377.00	173,956.36	918,333.36	10,777.97		929,111.33
15-Jan-24	0.00	164,945.68	164,945.68	10,219.68		175,165.36
15-Jul-24	762,620.00	164,945.68	927,565.68	10,219.68		937,785.36
15-Jan-25	0.00	155,714.16	155,714.16	9,647.72		165,361.88
15-Jul-25	781,309.00	155,714.16	937,023.16	9,647.72		946,670.88
15-Jan-26	0.00	146,256.42	146,256.42	9,061.74		155,318.16
15-Jul-26	800,456.00	146,256.42	946,712.42	9,061.74		955,774.16
15-Jan-27	0.00	136,566.90	136,566.90	8,461.39		145,028.29
15-Jul-27	820,073.00	136,566.90	956,639.90	8,461.39		965,101.29
15-Jan-28	0.00	126,639.91	126,639.91	7,846.34		134,486.25
15-Jul-28	840,170.00	126,639.91	966,809.91	7,846.34		974,656.25
15-Jan-29	0.00	116,469.65	116,469.65	7,216.21		123,685.86
15-Jul-29	860,760.00	116,469.65	977,229.65	7,216.21		984,445.86
15-Jan-30	0.00	106,050.15	106,050.15	6,570.64		112,620.79
15-Jul-30	881,854.00	106,050.15	987,904.15	6,570.64		994,474.79
15-Jan-31	0.00	95,375.31	95,375.31	5,909.25		101,284.56
15-Jul-31	903,465.00	95,375.31	998,840.31	5,909.25		1,004,749.56
15-Jan-32	0.00	84,438.86	84,438.86	5,231.65		89,670.51
15-Jul-32	925,606.00	84,438.86	1,010,044.86	5,231.65		1,015,276.51
15-Jan-33	0.00	73,234.40	73,234.40	4,537.45		77,771.85
15-Jul-33	948,290.00	73,234.40	1,021,524.40	4,537.45		1,026,061.85
15-Jan-34	0.00	61,755.35	61,755.35	3,826.23		65,581.58
15-Jul-34	971,529.00	61,755.35	1,033,284.35	3,826.23		1,037,110.58
15-Jan-35	0.00	49,994.99	49,994.99	3,097.58		53,092.57
15-Jul-35	995,338.00	49,994.99	1,045,332.99	3,097.58		1,048,430.57
15-Jan-36	0.00	37,946.43	37,946.43	2,351.08		40,297.51
15-Jul-36	1,019,730.00	37,946.43	1,057,676.43	2,351.08		1,060,027.51
15-Jan-37	0.00	25,602.60	25,602.60	1,586.28		27,188.88
15-Jul-37	1,044,720.00	25,602.60	1,070,322.60	1,586.28		1,071,908.88
15-Jan-38	0.00	12,956.26	12,956.26	802.74		13,759.00
15-Jul-38	1,070,323.00	12,956.26	1,083,279.26	802.74		1,084,082.00
15-Jan-39	0.00	0.00	0.00	0.00		0.00
15-Jul-39	0.00	0.00	0.00	0.00		0.00
15-Jan-40	0.00	0.00	0.00	0.00		0.00
	\$23,200,000.00	\$9,298,383.11	\$32,498,383.11	\$582,198.00	\$144,536.00	\$33,225,117.11

Massachusetts Clean Water Trust
Series 21
UBWPAD Loan Amortization
CWP-16-39

Loan Amount Approved	10,000,000.00	Loan Origination Fee (\$5.00/1000)	44,210.40
Principal Forgiveness*	(1,157,921.00)	Loan Term (in years)	20
Amount to be Financed	8,842,079.00	Loan Rate	2.00%
		Closing Date	9/12/2018
		First Interest Payment	1/15/2019
		First Principal Payment	1/15/2019

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
9/12/2018							
1/15/2019	357,671.00	60,420.87	418,091.87	4,531.57	44,210.40	466,833.83	466,833.83
7/15/2019		84,844.08	84,844.08	6,363.31		91,207.39	
1/15/2020	365,444.00	84,844.08	450,288.08	6,363.31		456,651.39	547,858.77
7/15/2020		81,189.64	81,189.64	6,089.22		87,278.86	
1/15/2021	373,387.00	81,189.64	454,576.64	6,089.22		460,665.86	547,944.73
7/15/2021		77,455.77	77,455.77	5,809.18		83,264.95	
1/15/2022	381,502.00	77,455.77	458,957.77	5,809.18		464,766.95	548,031.91
7/15/2022		73,640.75	73,640.75	5,523.06		79,163.81	
1/15/2023	389,793.00	73,640.75	463,433.75	5,523.06		468,956.81	548,120.61
7/15/2023		69,742.82	69,742.82	5,230.71		74,973.53	
1/15/2024	398,265.00	69,742.82	468,007.82	5,230.71		473,238.53	548,212.06
7/15/2024		65,760.17	65,760.17	4,932.01		70,692.18	
1/15/2025	406,921.00	65,760.17	472,681.17	4,932.01		477,613.18	548,305.37
7/15/2025		61,690.96	61,690.96	4,626.82		66,317.78	
1/15/2026	415,765.00	61,690.96	477,455.96	4,626.82		482,082.78	548,400.56
7/15/2026		57,533.31	57,533.31	4,315.00		61,848.31	
1/15/2027	424,801.00	57,533.31	482,334.31	4,315.00		486,649.31	548,497.62
7/15/2027		53,285.30	53,285.30	3,996.40		57,281.70	
1/15/2028	434,033.00	53,285.30	487,318.30	3,996.40		491,314.70	548,596.40
7/15/2028		48,944.97	48,944.97	3,670.87		52,615.84	
1/15/2029	443,466.00	48,944.97	492,410.97	3,670.87		496,081.84	548,697.69
7/15/2029		44,510.31	44,510.31	3,338.27		47,848.58	
1/15/2030	453,104.00	44,510.31	497,614.31	3,338.27		500,952.58	548,801.17
7/15/2030		39,979.27	39,979.27	2,998.45		42,977.72	
1/15/2031	462,952.00	39,979.27	502,931.27	2,998.45		505,929.72	548,907.43
7/15/2031		35,349.75	35,349.75	2,651.23		38,000.98	
1/15/2032	473,014.00	35,349.75	508,363.75	2,651.23		511,014.98	549,015.96
7/15/2032		30,619.61	30,619.61	2,296.47		32,916.08	
1/15/2033	483,294.00	30,619.61	513,913.61	2,296.47		516,210.08	549,126.16
7/15/2033		25,786.67	25,786.67	1,934.00		27,720.67	
1/15/2034	493,798.00	25,786.67	519,584.67	1,934.00		521,518.67	549,239.34
7/15/2034		20,848.69	20,848.69	1,563.65		22,412.34	
1/15/2035	504,530.00	20,848.69	525,378.69	1,563.65		526,942.34	549,354.68
7/15/2035		15,803.39	15,803.39	1,185.25		16,988.64	
1/15/2036	515,495.00	15,803.39	531,298.39	1,185.25		532,483.64	549,472.29
7/15/2036		10,648.44	10,648.44	798.63		11,447.07	
1/15/2037	526,698.00	10,648.44	537,346.44	798.63		538,145.07	549,592.15
7/15/2037		5,381.46	5,381.46	403.61		5,785.07	
1/15/2038	538,146.00	5,381.46	543,527.46	403.61		543,931.07	549,716.14
	8,842,079.00	1,866,451.59	10,708,530.59	139,983.87	44,210.40	10,892,724.86	11,436,655.93

Notes:

*This project may qualify for principal forgiveness in accordance with Schedule B to the Loan Agreement.

Replaced by Debt Schedule Dated October 17, 2021

Prepared by PFM Financial Advisors LLC

Massachusetts Clean Water Trust
Series 22
UBWPAD Loan Amortization
CWP-16-39-A

Loan Amount Approved	15,000,000.00	Loan Origination Fee (\$5.00/1000)	0.00
Principal Forgiveness	-	Loan Term (in years)	20
Amount to be Financed	15,000,000.00	Loan Rate	2.00%
		Closing Date	10/24/2019
		First Interest Payment	1/15/2020
		First Principal Payment	1/15/2020

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
10/24/2019							
1/15/2020	606,765.00	67,500.00	674,265.00	5,062.50		679,327.50	679,327.50
7/15/2020		143,932.35	143,932.35	10,794.93		154,727.28	
1/15/2021	619,952.00	143,932.35	763,884.35	10,794.93		774,679.28	929,406.55
7/15/2021		137,732.83	137,732.83	10,329.96		148,062.79	
1/15/2022	633,426.00	137,732.83	771,158.83	10,329.96		781,488.79	929,551.58
7/15/2022		131,398.57	131,398.57	9,854.89		141,253.46	
1/15/2023	647,193.00	131,398.57	778,591.57	9,854.89		788,446.46	929,699.93
7/15/2023		124,926.64	124,926.64	9,369.50		134,296.14	
1/15/2024	661,259.00	124,926.64	786,185.64	9,369.50		795,555.14	929,851.28
7/15/2024		118,314.05	118,314.05	8,873.55		127,187.60	
1/15/2025	675,630.00	118,314.05	793,944.05	8,873.55		802,817.60	930,005.21
7/15/2025		111,557.75	111,557.75	8,366.83		119,924.58	
1/15/2026	690,314.00	111,557.75	801,871.75	8,366.83		810,238.58	930,163.16
7/15/2026		104,654.61	104,654.61	7,849.10		112,503.71	
1/15/2027	705,317.00	104,654.61	809,971.61	7,849.10		817,820.71	930,324.41
7/15/2027		97,601.44	97,601.44	7,320.11		104,921.55	
1/15/2028	720,646.00	97,601.44	818,247.44	7,320.11		825,567.55	930,489.10
7/15/2028		90,394.98	90,394.98	6,779.62		97,174.60	
1/15/2029	736,309.00	90,394.98	826,703.98	6,779.62		833,483.60	930,658.21
7/15/2029		83,031.89	83,031.89	6,227.39		89,259.28	
1/15/2030	752,311.00	83,031.89	835,342.89	6,227.39		841,570.28	930,829.56
7/15/2030		75,508.78	75,508.78	5,663.16		81,171.94	
1/15/2031	768,662.00	75,508.78	844,170.78	5,663.16		849,833.94	931,005.88
7/15/2031		67,822.16	67,822.16	5,086.66		72,908.82	
1/15/2032	785,368.00	67,822.16	853,190.16	5,086.66		858,276.82	931,185.64
7/15/2032		59,968.48	59,968.48	4,497.64		64,466.12	
1/15/2033	802,436.00	59,968.48	862,404.48	4,497.64		866,902.12	931,368.23
7/15/2033		51,944.12	51,944.12	3,895.81		55,839.93	
1/15/2034	819,876.00	51,944.12	871,820.12	3,895.81		875,715.93	931,555.86
7/15/2034		43,745.36	43,745.36	3,280.90		47,026.26	
1/15/2035	837,695.00	43,745.36	881,440.36	3,280.90		884,721.26	931,747.52
7/15/2035		35,368.41	35,368.41	2,652.63		38,021.04	
1/15/2036	855,901.00	35,368.41	891,269.41	2,652.63		893,922.04	931,943.08
7/15/2036		26,809.40	26,809.40	2,010.71		28,820.11	
1/15/2037	874,503.00	26,809.40	901,312.40	2,010.71		903,323.11	932,143.21
7/15/2037		18,064.37	18,064.37	1,354.83		19,419.20	
1/15/2038	893,509.00	18,064.37	911,573.37	1,354.83		912,928.20	932,347.40
7/15/2038		9,129.28	9,129.28	684.70		9,813.98	
1/15/2039	912,928.00	9,129.28	922,057.28	684.70		922,741.98	932,555.95
	15,000,000.00	3,131,310.94	18,131,310.94	234,848.32		18,366,159.26	19,288,901.24

Replaced by Debt Schedule Dated October 17, 2021

Prepared by PFM Financial Advisors LLC

Massachusetts Clean Water Trust Series 22 UBWPAD Loan Amortization CWP-16-39-B

Loan Amount Approved	2,100,000.00	Loan Origination Fee (\$5.00/1000)	0.00
Principal Forgiveness	-	Loan Term (in years)	20
Amount to be Financed	2,100,000.00	Loan Rate	2.00%
		Closing Date	10/24/2019
		First Interest Payment	1/15/2020
		First Principal Payment	1/15/2020

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
10/24/2019							
1/15/2020	84,947.00	9,450.00	94,397.00	708.75		95,105.75	95,105.75
7/15/2020		20,150.53	20,150.53	1,511.29		21,661.82	
1/15/2021	86,793.00	20,150.53	106,943.53	1,511.29		108,454.82	130,116.64
7/15/2021		19,282.60	19,282.60	1,446.20		20,728.80	
1/15/2022	88,680.00	19,282.60	107,962.60	1,446.20		109,408.80	130,137.59
7/15/2022		18,395.80	18,395.80	1,379.69		19,775.49	
1/15/2023	90,607.00	18,395.80	109,002.80	1,379.69		110,382.49	130,157.97
7/15/2023		17,489.73	17,489.73	1,311.73		18,801.46	
1/15/2024	92,576.00	17,489.73	110,065.73	1,311.73		111,377.46	130,178.92
7/15/2024		16,563.97	16,563.97	1,242.30		17,806.27	
1/15/2025	94,588.00	16,563.97	111,151.97	1,242.30		112,394.27	130,200.54
7/15/2025		15,618.09	15,618.09	1,171.36		16,789.45	
1/15/2026	96,644.00	15,618.09	112,262.09	1,171.36		113,433.45	130,222.89
7/15/2026		14,651.65	14,651.65	1,098.87		15,750.52	
1/15/2027	98,744.00	14,651.65	113,395.65	1,098.87		114,494.52	130,245.05
7/15/2027		13,664.21	13,664.21	1,024.82		14,689.03	
1/15/2028	100,891.00	13,664.21	114,555.21	1,024.82		115,580.03	130,269.05
7/15/2028		12,655.30	12,655.30	949.15		13,604.45	
1/15/2029	103,083.00	12,655.30	115,738.30	949.15		116,687.45	130,291.90
7/15/2029		11,624.47	11,624.47	871.84		12,496.31	
1/15/2030	105,324.00	11,624.47	116,948.47	871.84		117,820.31	130,316.61
7/15/2030		10,571.23	10,571.23	792.84		11,364.07	
1/15/2031	107,613.00	10,571.23	118,184.23	792.84		118,977.07	130,341.14
7/15/2031		9,495.10	9,495.10	712.13		10,207.23	
1/15/2032	109,952.00	9,495.10	119,447.10	712.13		120,159.23	130,366.47
7/15/2032		8,395.58	8,395.58	629.67		9,025.25	
1/15/2033	112,341.00	8,395.58	120,736.58	629.67		121,366.25	130,391.50
7/15/2033		7,272.17	7,272.17	545.41		7,817.58	
1/15/2034	114,783.00	7,272.17	122,055.17	545.41		122,600.58	130,418.17
7/15/2034		6,124.34	6,124.34	459.33		6,583.67	
1/15/2035	117,277.00	6,124.34	123,401.34	459.33		123,860.67	130,444.33
7/15/2035		4,951.57	4,951.57	371.37		5,322.94	
1/15/2036	119,826.00	4,951.57	124,777.57	371.37		125,148.94	130,471.88
7/15/2036		3,753.31	3,753.31	281.50		4,034.81	
1/15/2037	122,431.00	3,753.31	126,184.31	281.50		126,465.81	130,500.62
7/15/2037		2,529.00	2,529.00	189.68		2,718.68	
1/15/2038	125,091.00	2,529.00	127,620.00	189.68		127,809.68	130,528.35
7/15/2038		1,278.09	1,278.09	95.86		1,373.95	
1/15/2039	127,809.00	1,278.09	129,087.09	95.86		129,182.95	130,556.89
	2,100,000.00	438,383.48	2,538,383.48	32,878.76		2,571,262.24	2,700,445.19

Massachusetts Water Clean Water Trust
Series 22 Swap
UPPER BLACKSTONE WPAD Reamortization
CWP-16-39-A

Original Loan Amount	15,000,000.00	Loan Origination Fee (\$5.0/1000)	0.00
Principal Forgiveness	-	Loan Term (in years)	18
Principal Paid Down	1,226,717.00	Loan Rate	2.00%
Outstanding Loan Obligation	13,773,283.00	Closing Date	10/22/2021
Remaining Balance	(6,147.00)	First Payment	1/15/2022
Net New Loan Obligation	13,767,136.00		

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
10/22/2021							
1/15/2022	633,142.74	137,704.49	770,847.22	10,327.83		781,175.06	
7/15/2022		131,339.93	131,339.93	9,850.49		141,190.43	
1/15/2023	646,904.09	131,339.93	778,244.03	9,850.49		788,094.52	929,284.95
7/15/2023		124,870.89	124,870.89	9,365.32		134,236.21	
1/15/2024	660,963.83	124,870.89	785,834.72	9,365.32		795,200.03	929,436.24
7/15/2024		118,261.25	118,261.25	8,869.59		127,130.85	
1/15/2025	675,328.42	118,261.25	793,589.68	8,869.59		802,459.27	929,590.12
7/15/2025		111,507.97	111,507.97	8,363.10		119,871.07	
1/15/2026	690,005.88	111,507.97	801,513.85	8,363.10		809,876.95	929,748.01
7/15/2026		104,607.91	104,607.91	7,845.59		112,453.50	
1/15/2027	705,002.19	104,607.91	809,610.11	7,845.59		817,455.70	929,909.20
7/15/2027		97,557.89	97,557.89	7,316.84		104,874.73	
1/15/2028	720,324.36	97,557.89	817,882.25	7,316.84		825,199.09	930,073.83
7/15/2028		90,354.64	90,354.64	6,776.60		97,131.24	
1/15/2029	735,980.39	90,354.64	826,335.03	6,776.60		833,111.63	930,242.87
7/15/2029		82,994.84	82,994.84	6,224.61		89,219.45	
1/15/2030	751,975.26	82,994.84	834,970.10	6,224.61		841,194.71	930,414.17
7/15/2030		75,475.09	75,475.09	5,660.63		81,135.72	
1/15/2031	768,318.97	75,475.09	843,794.06	5,660.63		849,454.69	930,590.41
7/15/2031		67,791.90	67,791.90	5,084.39		72,876.29	
1/15/2032	785,017.53	67,791.90	852,809.43	5,084.39		857,893.82	930,770.11
7/15/2032		59,941.72	59,941.72	4,495.63		64,437.35	
1/15/2033	802,077.93	59,941.72	862,019.65	4,495.63		866,515.28	930,952.63
7/15/2033		51,920.94	51,920.94	3,894.07		55,815.01	
1/15/2034	819,510.16	51,920.94	871,431.10	3,894.07		875,325.17	931,140.19
7/15/2034		43,725.84	43,725.84	3,279.44		47,005.28	
1/15/2035	837,321.22	43,725.84	881,047.06	3,279.44		884,326.50	931,331.78
7/15/2035		35,352.63	35,352.63	2,651.45		38,004.08	
1/15/2036	855,519.11	35,352.63	890,871.74	2,651.45		893,523.19	931,527.27
7/15/2036		26,797.44	26,797.44	2,009.81		28,807.25	
1/15/2037	874,112.83	26,797.44	900,910.27	2,009.81		902,920.08	931,727.32
7/15/2037		18,056.31	18,056.31	1,354.22		19,410.53	
1/15/2038	893,110.36	18,056.31	911,166.67	1,354.22		912,520.90	931,931.43
7/15/2038		9,125.21	9,125.21	684.39		9,809.60	
1/15/2039	912,520.71	9,125.21	921,645.92	684.39		922,330.31	932,139.91
7/15/2039							
1/15/2040							
	13,767,136.00	2,637,069.32	16,404,205.32	197,780.20		16,601,985.51	15,820,810.45

Notes:

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Massachusetts Water Clean Water Trust
Series 22 Swap
UPPER BLACKSTONE WPAD Reamortization
CWP-16-39-B

Original Loan Amount	2,100,000.00	Loan Origination Fee (\$5.0/1000)	0.00
Principal Forgiveness	-	Loan Term (in years)	18
Principal Paid Down	171,740.00	Loan Rate	2.00%
Outstanding Loan Obligation	1,928,260.00	Closing Date	10/22/2021
Remaining Balance	(233,335.00)	First Payment	1/15/2022
Net New Loan Obligation	1,694,925.00		

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
10/22/2021							
1/15/2022	77,927.66	18,206.67	96,134.32	1,365.50		97,499.83	
7/15/2022		16,169.97	16,169.97	1,212.75		17,382.72	
1/15/2023	79,640.37	16,169.97	95,810.34	1,212.75		97,023.09	114,405.81
7/15/2023		15,373.57	15,373.57	1,153.02		16,526.59	
1/15/2024	81,371.44	15,373.57	96,745.01	1,153.02		97,898.03	114,424.62
7/15/2024		14,559.86	14,559.86	1,091.99		15,651.84	
1/15/2025	83,140.36	14,559.86	97,700.21	1,091.99		98,792.20	114,444.05
7/15/2025		13,728.45	13,728.45	1,029.63		14,758.09	
1/15/2026	84,948.00	13,728.45	98,676.45	1,029.63		99,706.09	114,464.17
7/15/2026		12,878.97	12,878.97	965.92		13,844.89	
1/15/2027	86,794.25	12,878.97	99,673.22	965.92		100,639.15	114,484.04
7/15/2027		12,011.03	12,011.03	900.83		12,911.86	
1/15/2028	88,682.00	12,011.03	100,693.03	900.83		101,593.86	114,505.71
7/15/2028		11,124.21	11,124.21	834.32		11,958.52	
1/15/2029	90,609.12	11,124.21	101,733.33	834.32		102,567.65	114,526.17
7/15/2029		10,218.12	10,218.12	766.36		10,984.48	
1/15/2030	92,579.50	10,218.12	102,797.62	766.36		103,563.97	114,548.45
7/15/2030		9,292.32	9,292.32	696.92		9,989.25	
1/15/2031	94,592.00	9,292.32	103,884.33	696.92		104,581.25	114,570.50
7/15/2031		8,346.40	8,346.40	625.98		8,972.38	
1/15/2032	96,648.51	8,346.40	104,994.91	625.98		105,620.89	114,593.27
7/15/2032		7,379.92	7,379.92	553.49		7,933.41	
1/15/2033	98,748.89	7,379.92	106,128.80	553.49		106,682.30	114,615.71
7/15/2033		6,392.43	6,392.43	479.43		6,871.86	
1/15/2034	100,896.00	6,392.43	107,288.43	479.43		107,767.86	114,639.72
7/15/2034		5,383.47	5,383.47	403.76		5,787.23	
1/15/2035	103,088.72	5,383.47	108,472.19	403.76		108,875.95	114,663.18
7/15/2035		4,352.58	4,352.58	326.44		4,679.03	
1/15/2036	105,329.90	4,352.58	109,682.48	326.44		110,008.93	114,687.95
7/15/2036		3,299.28	3,299.28	247.45		3,546.73	
1/15/2037	107,620.40	3,299.28	110,919.69	247.45		111,167.13	114,713.86
7/15/2037		2,223.08	2,223.08	166.73		2,389.81	
1/15/2038	109,959.08	2,223.08	112,182.16	166.73		112,348.89	114,738.70
7/15/2038		1,123.49	1,123.49	84.26		1,207.75	
1/15/2039	112,348.79	1,123.49	113,472.28	84.26		113,556.54	114,764.29
7/15/2039							
1/15/2040							
	1,694,925.00	325,920.97	2,020,845.97	24,444.08		2,045,290.05	1,947,790.22

Notes:

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