Massachusetts Water Pollution Abatement Trust
Pool 19 Swap
LOWELL Reamortization
DWP-13-04

Original Loan Amount	4,739,222.00	Loan Origination Fee ($7.5/1000)	0.00
Principal Forgiveness	197,712.00	Loan Term (in years)	18
Principal Paid Down	371,410.00	Loan Rate	2.00%
Outstanding Loan Obligation	4,170,100.00	Closing Date	2/21/2018
Remaining Balance	(1,021,255.52)	First Payment	7/15/2018
Net New Loan Obligation	3,148,844.48		

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
2/21/2018							
7/15/2018		33,530.96	33,530.96	2,514.82		36,045.78	
1/15/2019	144,813.99	31,488.44	176,302.44	2,361.63		178,664.07	214,709.85
7/15/2019		30,040.30	30,040.30	2,253.02		32,293.33	
1/15/2020	147,961.23	30,040.30	178,001.53	2,253.02		180,254.55	212,547.88
7/15/2020		28,560.69	28,560.69	2,142.05		30,702.74	
1/15/2021	151,176.28	28,560.69	179,736.97	2,142.05		181,879.02	212,581.77
7/15/2021		27,048.93	27,048.93	2,028.67		29,077.60	
1/15/2022	154,462.66	27,048.93	181,511.59	2,028.67		183,540.26	212,617.86
7/15/2022		25,504.30	25,504.30	1,912.82		27,417.13	
1/15/2023	157,818.89	25,504.30	183,323.19	1,912.82		185,236.01	212,653.14
7/15/2023		23,926.11	23,926.11	1,794.46		25,720.57	
1/15/2024	161,249.45	23,926.11	185,175.56	1,794.46		186,970.02	212,690.59
7/15/2024		22,313.62	22,313.62	1,673.52		23,987.14	
1/15/2025	164,753.83	22,313.62	187,067.45	1,673.52		188,740.97	212,728.11
7/15/2025		20,666.08	20,666.08	1,549.96		22,216.04	
1/15/2026	168,334.51	20,666.08	189,000.59	1,549.96		190,550.55	212,766.59
7/15/2026		18,982.74	18,982.74	1,423.71		20,406.44	
1/15/2027	171,992.95	18,982.74	190,975.69	1,423.71		192,399.40	212,805.84
7/15/2027		17,262.81	17,262.81	1,294.71		18,557.52	
1/15/2028	175,731.61	17,262.81	192,994.41	1,294.71		194,289.12	212,846.64
7/15/2028		15,505.49	15,505.49	1,162.91		16,668.40	
1/15/2029	179,550.91	15,505.49	195,056.40	1,162.91		196,219.31	212,887.72
7/15/2029		13,709.98	13,709.98	1,028.25		14,738.23	
1/15/2030	183,452.30	13,709.98	197,162.28	1,028.25		198,190.53	212,928.76
7/15/2030		11,875.46	11,875.46	890.66		12,766.12	
1/15/2031	187,440.17	11,875.46	199,315.63	890.66		200,206.29	212,972.41
7/15/2031		10,001.06	10,001.06	750.08		10,751.14	
1/15/2032	191,513.94	10,001.06	201,515.00	750.08		202,265.08	213,016.22
7/15/2032		8,085.92	8,085.92	606.44		8,692.36	
1/15/2033	195,676.00	8,085.92	203,761.92	606.44		204,368.36	213,060.72
7/15/2033		6,129.16	6,129.16	459.69		6,588.84	
1/15/2034	199,928.72	6,129.16	206,057.88	459.69		206,517.56	213,106.41
7/15/2034		4,129.87	4,129.87	309.74		4,439.61	
1/15/2035	204,273.46	4,129.87	208,403.33	309.74		208,713.07	213,152.68
7/15/2035		2,087.14	2,087.14	156.54		2,243.67	
1/15/2036	208,713.57	2,087.14	210,800.71	156.54		210,957.25	213,200.92
7/15/2036							
	3,148,844.48	636,678.72	3,785,523.20	47,750.90		3,833,274.10	3,833,274.10

Notes:

* 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.

Swap

Massachusetts Clean Water Trust
Series 19
Lowell Loan Amortization
DWP-13-04

Initial Loan Amount	4,739,222.00
Principal Forgiveness	(197,712.00)
Net Loan Obligation	4,541,510.00

Loan Origination Fee ($5.50/1000)	24,978.31
Loan Term (in years)	20
Loan Rate	2.00%
Closing Date	2/11/2016
First Interest Payment	7/15/2016
First Principal Payment	1/15/2017

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
2/11/2016							
7/15/2016		38,855.14	38,855.14	2,914.14	24,978.31	66,747.58	
1/15/2017	183,709.00	45,415.10	229,124.10	3,406.13		232,530.23	299,277.81
7/15/2017		43,578.01	43,578.01	3,268.35		46,846.36	
1/15/2018	187,701.00	43,578.01	231,279.01	3,268.35		234,547.36	281,393.72
7/15/2018		41,701.00	41,701.00	3,127.58		44,828.58	
1/15/2019	191,781.00	41,701.00	233,482.00	3,127.58		236,609.58	281,438.15
7/15/2019		39,783.19	39,783.19	2,983.74		42,766.93	
1/15/2020	195,949.00	39,783.19	235,732.19	2,983.74		238,715.93	281,482.86
7/15/2020		37,823.70	37,823.70	2,836.78		40,660.48	
1/15/2021	200,207.00	37,823.70	238,030.70	2,836.78		240,867.48	281,527.96
7/15/2021		35,821.63	35,821.63	2,686.62		38,508.25	
1/15/2022	204,559.00	35,821.63	240,380.63	2,686.62		243,067.25	281,575.50
7/15/2022		33,776.04	33,776.04	2,533.20		36,309.24	
1/15/2023	209,004.00	33,776.04	242,780.04	2,533.20		245,313.24	281,622.49
7/15/2023		31,686.00	31,686.00	2,376.45		34,062.45	
1/15/2024	213,547.00	31,686.00	245,233.00	2,376.45		247,609.45	281,671.90
7/15/2024		29,550.53	29,550.53	2,216.29		31,766.82	
1/15/2025	218,188.00	29,550.53	247,738.53	2,216.29		249,954.82	281,721.64
7/15/2025		27,368.65	27,368.65	2,052.65		29,421.30	
1/15/2026	222,930.00	27,368.65	250,298.65	2,052.65		252,351.30	281,772.60
7/15/2026		25,139.35	25,139.35	1,885.45		27,024.80	
1/15/2027	227,775.00	25,139.35	252,914.35	1,885.45		254,799.80	281,824.60
7/15/2027		22,861.60	22,861.60	1,714.62		24,576.22	
1/15/2028	232,726.00	22,861.60	255,587.60	1,714.62		257,302.22	281,878.44
7/15/2028		20,534.34	20,534.34	1,540.08		22,074.42	
1/15/2029	237,784.00	20,534.34	258,318.34	1,540.08		259,858.42	281,932.83
7/15/2029		18,156.50	18,156.50	1,361.74		19,518.24	
1/15/2030	242,951.00	18,156.50	261,107.50	1,361.74		262,469.24	281,987.48
7/15/2030		15,726.99	15,726.99	1,179.52		16,906.51	
1/15/2031	248,232.00	15,726.99	263,958.99	1,179.52		265,138.51	282,045.03
7/15/2031		13,244.67	13,244.67	993.35		14,238.02	
1/15/2032	253,627.00	13,244.67	266,871.67	993.35		267,865.02	282,103.04
7/15/2032		10,708.40	10,708.40	803.13		11,511.53	
1/15/2033	259,139.00	10,708.40	269,847.40	803.13		270,650.53	282,162.06
7/15/2033		8,117.01	8,117.01	608.78		8,725.79	
1/15/2034	264,771.00	8,117.01	272,888.01	608.78		273,496.79	282,222.57
7/15/2034		5,469.30	5,469.30	410.20		5,879.50	
1/15/2035	270,525.00	5,469.30	275,994.30	410.20		276,404.50	282,284.00
7/15/2035		2,764.05	2,764.05	207.30		2,971.35	
1/15/2036	276,405.00	2,764.05	279,169.05	207.30		279,376.35	282,347.71
7/15/2036							
	4,541,510.00	1,011,892.16	5,553,402.16	75,891.91	24,978.31	5,654,272.38	5,654,272.38

Notes:

**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 Clean Water Trust
Pool 18-2016 Swap
LOWELL Reamortization
DWP-11-17

Original Loan Amount	2,405,979.00	Loan Origination Fee ($7.5/1000)	0.00
Principal Forgiveness	233,388.00	Loan Term (in years)	18
Principal Paid Down	87,883.00	Loan Rate	2.00%
Outstanding Loan Obligation	2,084,708.00	Closing Date	12/16/2016
Remaining Balance	(391,983.28)	First Payment	1/15/2017
Net New Loan Obligation	1,692,724.72		

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
12/16/2016							
1/15/2017	72,910.31	20,215.55	93,125.86	1,516.17		94,642.03	
7/15/2017		16,198.14	16,198.14	1,214.86		17,413.00	
1/15/2018	74,494.37	16,198.14	90,692.51	1,214.86		91,907.37	109,320.38
7/15/2018		15,453.20	15,453.20	1,158.99		16,612.19	
1/15/2019	76,113.45	15,453.20	91,566.65	1,158.99		92,725.64	109,337.83
7/15/2019		14,692.07	14,692.07	1,101.90		15,793.97	
1/15/2020	77,767.38	14,692.07	92,459.44	1,101.90		93,561.35	109,355.32
7/15/2020		13,914.39	13,914.39	1,043.58		14,957.97	
1/15/2021	79,457.99	13,914.39	93,372.38	1,043.58		94,415.96	109,373.93
7/15/2021		13,119.81	13,119.81	983.99		14,103.80	
1/15/2022	81,185.09	13,119.81	94,304.90	983.99		95,288.89	109,392.68
7/15/2022		12,307.96	12,307.96	923.10		13,231.06	
1/15/2023	82,949.50	12,307.96	95,257.46	923.10		96,180.55	109,411.61
7/15/2023		11,478.47	11,478.47	860.88		12,339.35	
1/15/2024	84,752.03	11,478.47	96,230.49	860.88		97,091.38	109,430.73
7/15/2024		10,630.95	10,630.95	797.32		11,428.27	
1/15/2025	86,594.48	10,630.95	97,225.43	797.32		98,022.75	109,451.02
7/15/2025		9,765.00	9,765.00	732.38		10,497.38	
1/15/2026	88,475.67	9,765.00	98,240.67	732.38		98,973.04	109,470.42
7/15/2026		8,880.24	8,880.24	666.02		9,546.26	
1/15/2027	90,399.38	8,880.24	99,279.63	666.02		99,945.64	109,491.91
7/15/2027		7,976.25	7,976.25	598.22		8,574.47	
1/15/2028	92,363.42	7,976.25	100,339.67	598.22		100,937.89	109,512.36
7/15/2028		7,052.62	7,052.62	528.95		7,581.56	
1/15/2029	94,370.57	7,052.62	101,423.18	528.95		101,952.13	109,533.69
7/15/2029		6,108.91	6,108.91	458.17		6,567.08	
1/15/2030	96,421.61	6,108.91	102,530.52	458.17		102,988.69	109,555.77
7/15/2030		5,144.69	5,144.69	385.85		5,530.55	
1/15/2031	98,517.33	5,144.69	103,662.03	385.85		104,047.88	109,578.43
7/15/2031		4,159.52	4,159.52	311.96		4,471.49	
1/15/2032	100,658.51	4,159.52	104,818.03	311.96		105,130.00	109,601.48
7/15/2032		3,152.94	3,152.94	236.47		3,389.41	
1/15/2033	102,846.91	3,152.94	105,999.85	236.47		106,236.32	109,625.72
7/15/2033		2,124.47	2,124.47	159.34		2,283.80	
1/15/2034	105,081.30	2,124.47	107,205.77	159.34		107,365.10	109,648.91
7/15/2034		1,073.65	1,073.65	80.52		1,154.18	
1/15/2035	107,365.44	1,073.65	108,439.10	80.52		108,519.62	109,673.80
	1,692,724.72	346,682.13	2,039,406.85	26,001.16		2,065,408.01	1,970,765.98

Notes:

* Not withstanding 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.

Prepared by Public Financial Management, Inc.

Massachusetts Clean Water Trust
Series 18
Lowell Loan Amortization
DWP-11-17

Initial Loan Amount	2,405,979.00	Loan Origination Fee ($5.50/1000)	11,949.25
Principal Forgiveness	(233,388.00)	Loan Term (in years)	20
Net Loan Obligation	2,172,591.00	Loan Rate	2.00%
		Closing Date	1/7/2015
		First Interest Payment	7/15/2015
		First Principal Payment	1/15/2016

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
1/7/2015							
7/15/2015		22,691.51	22,691.51	1,701.86	11,949.25	36,342.62	
1/15/2016	87,883.00	21,725.91	109,608.91	1,629.44		111,238.35	147,580.97
7/15/2016		20,847.08	20,847.08	1,563.53		22,410.61	
1/15/2017	89,794.00	20,847.08	110,641.08	1,563.53		112,204.61	134,615.22
7/15/2017		19,949.14	19,949.14	1,496.19		21,445.33	
1/15/2018	91,745.00	19,949.14	111,694.14	1,496.19		113,190.33	134,635.65
7/15/2018		19,031.69	19,031.69	1,427.38		20,459.07	
1/15/2019	93,739.00	19,031.69	112,770.69	1,427.38		114,198.07	134,657.13
7/15/2019		18,094.30	18,094.30	1,357.07		19,451.37	
1/15/2020	95,776.00	18,094.30	113,870.30	1,357.07		115,227.37	134,678.75
7/15/2020		17,136.54	17,136.54	1,285.24		18,421.78	
1/15/2021	97,858.00	17,136.54	114,994.54	1,285.24		116,279.78	134,701.56
7/15/2021		16,157.96	16,157.96	1,211.85		17,369.81	
1/15/2022	99,985.00	16,157.96	116,142.96	1,211.85		117,354.81	134,724.61
7/15/2022		15,158.11	15,158.11	1,136.86		16,294.97	
1/15/2023	102,158.00	15,158.11	117,316.11	1,136.86		118,452.97	134,747.94
7/15/2023		14,136.53	14,136.53	1,060.24		15,196.77	
1/15/2024	104,378.00	14,136.53	118,514.53	1,060.24		119,574.77	134,771.54
7/15/2024		13,092.75	13,092.75	981.96		14,074.71	
1/15/2025	106,647.00	13,092.75	119,739.75	981.96		120,721.71	134,796.41
7/15/2025		12,026.28	12,026.28	901.97		12,928.25	
1/15/2026	108,964.00	12,026.28	120,990.28	901.97		121,892.25	134,820.50
7/15/2026		10,936.64	10,936.64	820.25		11,756.89	
1/15/2027	111,333.00	10,936.64	122,269.64	820.25		123,089.89	134,846.78
7/15/2027		9,823.31	9,823.31	736.75		10,560.06	
1/15/2028	113,752.00	9,823.31	123,575.31	736.75		124,312.06	134,872.12
7/15/2028		8,685.79	8,685.79	651.43		9,337.22	
1/15/2029	116,224.00	8,685.79	124,909.79	651.43		125,561.22	134,898.45
7/15/2029		7,523.55	7,523.55	564.27		8,087.82	
1/15/2030	118,750.00	7,523.55	126,273.55	564.27		126,837.82	134,925.63
7/15/2030		6,336.05	6,336.05	475.20		6,811.25	
1/15/2031	121,331.00	6,336.05	127,667.05	475.20		128,142.25	134,953.51
7/15/2031		5,122.74	5,122.74	384.21		5,506.95	
1/15/2032	123,968.00	5,122.74	129,090.74	384.21		129,474.95	134,981.89
7/15/2032		3,883.06	3,883.06	291.23		4,174.29	
1/15/2033	126,663.00	3,883.06	130,546.06	291.23		130,837.29	135,011.58
7/15/2033		2,616.43	2,616.43	196.23		2,812.66	
1/15/2034	129,415.00	2,616.43	132,031.43	196.23		132,227.66	135,040.32
7/15/2034		1,322.28	1,322.28	99.17		1,421.45	
1/15/2035	132,228.00	1,322.28	133,550.28	99.17		133,649.45	135,070.90
7/15/2035							
	2,172,591.00	488,177.88	2,660,768.88	36,613.34	11,949.25	2,709,331.47	2,709,331.47

Notes:

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

Prepared by Public Financial Management, Inc

Massachusetts Water Pollution Abatement Trust
Series 17A
LOWELL Loan Amortization
DWP-11-21

Initial Loan Amount	2,200,470.00
Principal Forgiveness	(373,983.00)
Net Loan Obligation	1,826,487.00

Loan Origination Fee ($5.50/1000)	10,045.68
Loan Term (in years)	20
Loan Rate	2.00%
Closing Date	5/22/2013
First Interest Payment	7/15/2013
First Principal Payment	1/15/2014

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
5/22/2013							
7/15/2013		5,377.99	5,377.99	403.35	10,045.68	15,827.02	
1/15/2014	73,883.00	18,264.87	92,147.87	1,369.87		93,517.74	109,344.75
7/15/2014		17,526.04	17,526.04	1,314.45		18,840.49	
1/15/2015	75,489.00	17,526.04	93,015.04	1,314.45		94,329.49	113,169.99
7/15/2015		16,771.15	16,771.15	1,257.84		18,028.99	
1/15/2016	77,130.00	16,771.15	93,901.15	1,257.84		95,158.99	113,187.97
7/15/2016		15,999.85	15,999.85	1,199.99		17,199.84	
1/15/2017	78,806.00	15,999.85	94,805.85	1,199.99		96,005.84	113,205.68
7/15/2017		15,211.79	15,211.79	1,140.88		16,352.67	
1/15/2018	80,519.00	15,211.79	95,730.79	1,140.88		96,871.67	113,224.35
7/15/2018		14,406.60	14,406.60	1,080.50		15,487.10	
1/15/2019	82,269.00	14,406.60	96,675.60	1,080.50		97,756.10	113,243.19
7/15/2019		13,583.91	13,583.91	1,018.79		14,602.70	
1/15/2020	84,057.00	13,583.91	97,640.91	1,018.79		98,659.70	113,262.41
7/15/2020		12,743.34	12,743.34	955.75		13,699.09	
1/15/2021	85,883.00	12,743.34	98,626.34	955.75		99,582.09	113,281.18
7/15/2021		11,884.51	11,884.51	891.34		12,775.85	
1/15/2022	87,750.00	11,884.51	99,634.51	891.34		100,525.85	113,301.70
7/15/2022		11,007.01	11,007.01	825.53		11,832.54	
1/15/2023	89,657.00	11,007.01	100,664.01	825.53		101,489.54	113,322.07
7/15/2023		10,110.44	10,110.44	758.28		10,868.72	
1/15/2024	91,606.00	10,110.44	101,716.44	758.28		102,474.72	113,343.45
7/15/2024		9,194.38	9,194.38	689.58		9,883.96	
1/15/2025	93,597.00	9,194.38	102,791.38	689.58		103,480.96	113,364.92
7/15/2025		8,258.41	8,258.41	619.38		8,877.79	
1/15/2026	95,631.00	8,258.41	103,889.41	619.38		104,508.79	113,386.58
7/15/2026		7,302.10	7,302.10	547.66		7,849.76	
1/15/2027	97,709.00	7,302.10	105,011.10	547.66		105,558.76	113,408.52
7/15/2027		6,325.01	6,325.01	474.38		6,799.39	
1/15/2028	99,833.00	6,325.01	106,158.01	474.38		106,632.39	113,431.77
7/15/2028		5,326.68	5,326.68	399.50		5,726.18	
1/15/2029	102,003.00	5,326.68	107,329.68	399.50		107,729.18	113,455.36
7/15/2029		4,306.65	4,306.65	323.00		4,629.65	
1/15/2030	104,219.00	4,306.65	108,525.65	323.00		108,848.65	113,478.30
7/15/2030		3,264.46	3,264.46	244.83		3,509.29	
1/15/2031	106,484.00	3,264.46	109,748.46	244.83		109,993.29	113,502.59
7/15/2031		2,199.62	2,199.62	164.97		2,364.59	
1/15/2032	108,799.00	2,199.62	110,998.62	164.97		111,163.59	113,528.18
7/15/2032		1,111.63	1,111.63	83.37		1,195.00	
1/15/2033	111,163.00	1,111.63	112,274.63	83.37		112,358.00	113,553.00
7/15/2033							
	1,826,487.00	396,710.02	2,223,197.02	29,753.25	10,045.68	2,262,995.95	2,262,995.95

Notes:

**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 Clean Water Trust
Pool 17 - 2015 Swap
LOWELL Reamortization
DWP-11-21

Original Loan Amount	2,200,470.00	Loan Origination Fee ($7.5/1000)	0.00
Principal Forgiveness	373,983.00	Loan Term (in years)	18
Principal Paid Down	149,372.00	Loan Rate	2.00%
Outstanding Loan Obligation	1,677,115.00	Closing Date	5/14/2015
Remaining Balance	(93,158.93)	First Payment	7/15/2015
Net New Loan Obligation	1,583,956.07		

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
5/14/2015							
7/15/2015		16,455.44	16,455.44	1,187.97		17,643.41	
1/15/2016	72,845.67	15,839.56	88,685.23	1,187.97		89,873.20	107,516.61
7/15/2016		15,111.10	15,111.10	1,133.33		16,244.44	
1/15/2017	74,428.56	15,111.10	89,539.66	1,133.33		90,672.99	106,917.43
7/15/2017		14,366.82	14,366.82	1,077.51		15,444.33	
1/15/2018	76,046.42	14,366.82	90,413.24	1,077.51		91,490.75	106,935.08
7/15/2018		13,606.35	13,606.35	1,020.48		14,626.83	
1/15/2019	77,699.21	13,606.35	91,305.57	1,020.48		92,326.04	106,952.87
7/15/2019		12,829.36	12,829.36	962.20		13,791.56	
1/15/2020	79,387.89	12,829.36	92,217.26	962.20		93,179.46	106,971.02
7/15/2020		12,035.48	12,035.48	902.66		12,938.14	
1/15/2021	81,112.42	12,035.48	93,147.90	902.66		94,050.56	106,988.71
7/15/2021		11,224.36	11,224.36	841.83		12,066.19	
1/15/2022	82,875.74	11,224.36	94,100.09	841.83		94,941.92	107,008.11
7/15/2022		10,395.60	10,395.60	779.67		11,175.27	
1/15/2023	84,676.80	10,395.60	95,072.40	779.67		95,852.07	107,027.34
7/15/2023		9,548.83	9,548.83	716.16		10,265.00	
1/15/2024	86,517.56	9,548.83	96,066.40	716.16		96,782.56	107,047.55
7/15/2024		8,683.66	8,683.66	651.27		9,334.93	
1/15/2025	88,397.97	8,683.66	97,081.63	651.27		97,732.90	107,067.84
7/15/2025		7,799.68	7,799.68	584.98		8,384.65	
1/15/2026	90,318.98	7,799.68	98,118.66	584.98		98,703.63	107,088.29
7/15/2026		6,896.49	6,896.49	517.24		7,413.73	
1/15/2027	92,281.53	6,896.49	99,178.02	517.24		99,695.25	107,108.98
7/15/2027		5,973.67	5,973.67	448.03		6,421.70	
1/15/2028	94,287.57	5,973.67	100,261.24	448.03		100,709.27	107,130.97
7/15/2028		5,030.80	5,030.80	377.31		5,408.11	
1/15/2029	96,337.05	5,030.80	101,367.84	377.31		101,745.15	107,153.26
7/15/2029		4,067.43	4,067.43	305.06		4,372.48	
1/15/2030	98,429.91	4,067.43	102,497.33	305.06		102,802.39	107,174.87
7/15/2030		3,083.13	3,083.13	231.23		3,314.36	
1/15/2031	100,569.09	3,083.13	103,652.22	231.23		103,883.45	107,197.81
7/15/2031		2,077.44	2,077.44	155.81		2,233.25	
1/15/2032	102,755.53	2,077.44	104,832.97	155.81		104,988.78	107,222.02
7/15/2032		1,049.88	1,049.88	78.74		1,128.62	
1/15/2033	104,988.19	1,049.88	106,038.07	78.74		106,116.81	107,245.43
7/15/2033							
	1,583,956.07	319,855.18	1,903,811.25	23,942.95		1,927,754.20	1,927,754.20

Massachusetts Water Pollution Abatement Trust
Series 17A
LOWELL Loan Amortization
CW-08-24

Initial Loan Amount	1,287,964.00	Loan Origination Fee ($5.50/1000)	7,083.80
Principal Forgiveness	-	Loan Term (in years)	20
Net Loan Obligation	1,287,964.00	Loan Rate	2.00%
		Closing Date	5/22/2013
		First Interest Payment	7/15/2013
		First Principal Payment	1/15/2014

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
5/22/2013							
7/15/2013		3,792.34	3,792.34	284.43	7,083.80	11,160.57	
1/15/2014	52,099.00	12,879.64	64,978.64	965.97		65,944.61	77,105.18
7/15/2014		12,358.65	12,358.65	926.90		13,285.55	
1/15/2015	53,232.00	12,358.65	65,590.65	926.90		66,517.55	79,803.10
7/15/2015		11,826.33	11,826.33	886.97		12,713.30	
1/15/2016	54,389.00	11,826.33	66,215.33	886.97		67,102.30	79,815.61
7/15/2016		11,282.44	11,282.44	846.18		12,128.62	
1/15/2017	55,571.00	11,282.44	66,853.44	846.18		67,699.62	79,828.25
7/15/2017		10,726.73	10,726.73	804.50		11,531.23	
1/15/2018	56,778.00	10,726.73	67,504.73	804.50		68,309.23	79,840.47
7/15/2018		10,158.95	10,158.95	761.92		10,920.87	
1/15/2019	58,012.00	10,158.95	68,170.95	761.92		68,932.87	79,853.74
7/15/2019		9,578.83	9,578.83	718.41		10,297.24	
1/15/2020	59,273.00	9,578.83	68,851.83	718.41		69,570.24	79,867.48
7/15/2020		8,986.10	8,986.10	673.96		9,660.06	
1/15/2021	60,561.00	8,986.10	69,547.10	673.96		70,221.06	79,881.12
7/15/2021		8,380.49	8,380.49	628.54		9,009.03	
1/15/2022	61,878.00	8,380.49	70,258.49	628.54		70,887.03	79,896.05
7/15/2022		7,761.71	7,761.71	582.13		8,343.84	
1/15/2023	63,223.00	7,761.71	70,984.71	582.13		71,566.84	79,910.68
7/15/2023		7,129.48	7,129.48	534.71		7,664.19	
1/15/2024	64,597.00	7,129.48	71,726.48	534.71		72,261.19	79,925.38
7/15/2024		6,483.51	6,483.51	486.26		6,969.77	
1/15/2025	66,001.00	6,483.51	72,484.51	486.26		72,970.77	79,940.55
7/15/2025		5,823.50	5,823.50	436.76		6,260.26	
1/15/2026	67,435.00	5,823.50	73,258.50	436.76		73,695.26	79,955.53
7/15/2026		5,149.15	5,149.15	386.19		5,535.34	
1/15/2027	68,901.00	5,149.15	74,050.15	386.19		74,436.34	79,971.67
7/15/2027		4,460.14	4,460.14	334.51		4,794.65	
1/15/2028	70,398.00	4,460.14	74,858.14	334.51		75,192.65	79,987.30
7/15/2028		3,756.16	3,756.16	281.71		4,037.87	
1/15/2029	71,928.00	3,756.16	75,684.16	281.71		75,965.87	80,003.74
7/15/2029		3,036.88	3,036.88	227.77		3,264.65	
1/15/2030	73,491.00	3,036.88	76,527.88	227.77		76,755.65	80,020.29
7/15/2030		2,301.97	2,301.97	172.65		2,474.62	
1/15/2031	75,089.00	2,301.97	77,390.97	172.65		77,563.62	80,038.24
7/15/2031		1,551.08	1,551.08	116.33		1,667.41	
1/15/2032	76,720.00	1,551.08	78,271.08	116.33		78,387.41	80,054.82
7/15/2032		783.88	783.88	58.79		842.67	
1/15/2033	78,388.00	783.88	79,171.88	58.79		79,230.67	80,073.34
7/15/2033							
	1,287,964.00	279,743.94	1,567,707.94	20,980.80	7,083.80	1,595,772.54	1,595,772.54

Massachusetts Water Pollution Abatement Trust
Pool 16-2014 Swap
LOWELL Reamortization
DWS-07-18-B

Original Loan Amount	3,151,632.00	Loan Origination Fee ($7.5/1000)	0.00
Principal Forgiveness (ARRA)	-	Loan Term (in years)	18
Principal Paid Down	127,487.00	Loan Rate	2.00%
Outstanding Loan Obligation	3,024,145.00	Closing Date	5/30/2014
Remaining Balance	(1,007,161.45)	First Payment	7/15/2014
Net New Loan Obligation	2,016,983.55		

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	86,877.06	27,723.55	114,600.61	1,512.74		116,113.35	
1/15/2015		19,301.06	19,301.06	1,447.58		20,748.64	136,861.99
7/15/2015	88,764.24	19,301.06	108,065.30	1,447.58		109,512.88	
1/15/2016		18,413.42	18,413.42	1,381.01		19,794.43	129,307.31
7/15/2016	90,693.92	18,413.42	109,107.34	1,381.01		110,488.35	
1/15/2017		17,506.48	17,506.48	1,312.99		18,819.47	129,307.82
7/15/2017	92,664.67	17,506.48	110,171.15	1,312.99		111,484.14	
1/15/2018		16,579.84	16,579.84	1,243.49		17,823.32	129,307.46
7/15/2018	94,679.02	16,579.84	111,258.86	1,243.49		112,502.35	
1/15/2019		15,633.05	15,633.05	1,172.48		16,805.52	129,307.87
7/15/2019	96,736.52	15,633.05	112,369.57	1,172.48		113,542.05	
1/15/2020		14,665.68	14,665.68	1,099.93		15,765.61	129,307.65
7/15/2020	98,838.69	14,665.68	113,504.37	1,099.93		114,604.30	
1/15/2021		13,677.29	13,677.29	1,025.80		14,703.09	129,307.39
7/15/2021	100,987.04	13,677.29	114,664.34	1,025.80		115,690.13	
1/15/2022		12,667.42	12,667.42	950.06		13,617.48	129,307.61
7/15/2022	103,182.08	12,667.42	115,849.50	950.06		116,799.56	
1/15/2023		11,635.60	11,635.60	872.67		12,508.27	129,307.83
7/15/2023	105,424.30	11,635.60	117,059.90	872.67		117,932.57	
1/15/2024		10,581.36	10,581.36	793.60		11,374.96	129,307.53
7/15/2024	107,716.18	10,581.36	118,297.54	793.60		119,091.14	
1/15/2025		9,504.20	9,504.20	712.81		10,217.01	129,308.16
7/15/2025	110,057.20	9,504.20	119,561.40	712.81		120,274.21	
1/15/2026		8,403.63	8,403.63	630.27		9,033.90	129,308.11
7/15/2026	112,448.81	8,403.63	120,852.44	630.27		121,482.71	
1/15/2027		7,279.14	7,279.14	545.94		7,825.07	129,307.78
7/15/2027	114,892.46	7,279.14	122,171.60	545.94		122,717.54	
1/15/2028		6,130.21	6,130.21	459.77		6,589.98	129,307.51
7/15/2028	117,389.59	6,130.21	123,519.80	459.77		123,979.57	
1/15/2029		4,956.32	4,956.32	371.72		5,328.04	129,307.61
7/15/2029	119,940.62	4,956.32	124,896.94	371.72		125,268.66	
1/15/2030		3,756.91	3,756.91	281.77		4,038.68	129,307.34
7/15/2030	122,547.96	3,756.91	126,304.88	281.77		126,586.64	
1/15/2031		2,531.43	2,531.43	189.86		2,721.29	129,307.93
7/15/2031	125,211.02	2,531.43	127,742.45	189.86		127,932.31	
1/15/2032		1,279.32	1,279.32	95.95		1,375.27	129,307.58
7/15/2032	127,932.17	1,279.32	129,211.49	95.95		129,307.44	
							129,307.44
	2,016,983.55	416,728.30	2,433,711.85	30,688.09		2,464,399.94	2,464,399.94

Massachusetts Water Pollution Abatement Trust
Pool 16-2014 Swap
LOWELL Reamortization
CW-08-16

Original Loan Amount	7,466,242.00	Loan Origination Fee ($7.5/1000)	0.00
Principal Forgiveness (ARRA)	-	Loan Term (in years)	28
Principal Paid Down	168,655.00	Loan Rate	2.37%
Outstanding Loan Obligation	7,297,587.00	Closing Date	5/30/2014
Remaining Balance	(1,143,233.30)	First Payment	7/15/2014
Net New Loan Obligation	6,154,353.70		

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	145,863.42	83,089.58	228,952.99	4,615.77		233,568.76	
1/15/2015		71,200.61	71,200.61	4,506.37		75,706.98	309,275.74
7/15/2015	149,585.90	71,200.61	220,786.50	4,506.37		225,292.87	
1/15/2016		69,428.02	69,428.02	4,394.18		73,822.20	299,115.07
7/15/2016	153,403.72	69,428.02	222,831.74	4,394.18		227,225.92	
1/15/2017		67,610.18	67,610.18	4,279.13		71,889.31	299,115.23
7/15/2017	157,318.45	67,610.18	224,928.64	4,279.13		229,207.76	
1/15/2018		65,745.96	65,745.96	4,161.14		69,907.10	299,114.86
7/15/2018	161,333.62	65,745.96	227,079.58	4,161.14		231,240.72	
1/15/2019		63,834.16	63,834.16	4,040.14		67,874.29	299,115.01
7/15/2019	165,451.76	63,834.16	229,285.91	4,040.14		233,326.05	
1/15/2020		61,873.55	61,873.55	3,916.05		65,789.60	299,115.65
7/15/2020	169,674.37	61,873.55	231,547.92	3,916.05		235,463.97	
1/15/2021		59,862.91	59,862.91	3,788.79		63,651.70	299,115.68
7/15/2021	174,003.97	59,862.91	233,866.88	3,788.79		237,655.67	
1/15/2022		57,800.96	57,800.96	3,658.29		61,459.25	299,114.92
7/15/2022	178,445.03	57,800.96	236,246.00	3,658.29		239,904.29	
1/15/2023		55,686.39	55,686.39	3,524.46		59,210.85	299,115.13
7/15/2023	182,999.04	55,686.39	238,685.43	3,524.46		242,209.89	
1/15/2024		53,517.85	53,517.85	3,387.21		56,905.06	299,114.95
7/15/2024	187,669.47	53,517.85	241,187.32	3,387.21		244,574.52	
1/15/2025		51,293.97	51,293.97	3,246.45		54,540.42	299,114.95
7/15/2025	192,459.74	51,293.97	243,753.71	3,246.45		247,000.17	
1/15/2026		49,013.32	49,013.32	3,102.11		52,115.43	299,115.60
7/15/2026	197,371.32	49,013.32	246,384.64	3,102.11		249,486.75	
1/15/2027		46,674.47	46,674.47	2,954.08		49,628.55	299,115.30
7/15/2027	202,408.60	46,674.47	249,083.07	2,954.08		252,037.15	
1/15/2028		44,275.93	44,275.93	2,802.27		47,078.20	299,115.35
7/15/2028	207,574.01	44,275.93	251,849.93	2,802.27		254,652.21	
1/15/2029		41,816.18	41,816.18	2,646.59		44,462.77	299,114.98
7/15/2029	212,871.92	41,816.18	254,688.10	2,646.59		257,334.69	
1/15/2030		39,293.64	39,293.64	2,486.94		41,780.58	299,115.27
7/15/2030	218,304.72	39,293.64	257,598.36	2,486.94		260,085.30	
1/15/2031		36,706.73	36,706.73	2,323.21		39,029.94	299,115.25
7/15/2031	223,875.76	36,706.73	260,582.49	2,323.21		262,905.70	
1/15/2032		34,053.81	34,053.81	2,155.30		36,209.11	299,114.81
7/15/2032	229,589.39	34,053.81	263,643.19	2,155.30		265,798.50	
1/15/2033		31,333.17	31,333.17	1,983.11		33,316.28	299,114.78
7/15/2033	235,448.93	31,333.17	266,782.10	1,983.11		268,765.21	
1/15/2034		28,543.10	28,543.10	1,806.53		30,349.63	299,114.84
7/15/2034	241,458.69	28,543.10	270,001.79	1,806.53		271,808.32	
1/15/2035		25,681.82	25,681.82	1,625.43		27,307.25	299,115.56
7/15/2035	247,620.96	25,681.82	273,302.78	1,625.43		274,928.21	
1/15/2036		22,747.51	22,747.51	1,439.72		24,187.22	299,115.43
7/15/2036	253,940.02	22,747.51	276,687.53	1,439.72		278,127.24	
1/15/2037		19,738.32	19,738.32	1,249.26		20,987.58	299,114.82
7/15/2037	260,421.12	19,738.32	280,159.44	1,249.26		281,408.70	
1/15/2038		16,652.33	16,652.33	1,053.94		17,706.27	299,114.97
7/15/2038	267,067.49	16,652.33	283,719.82	1,053.94		284,773.76	
1/15/2039		13,487.58	13,487.58	853.64		14,341.22	299,114.98
7/15/2039	273,883.35	13,487.58	287,370.93	853.64		288,224.57	
1/15/2040		10,242.06	10,242.06	648.23		10,890.29	299,114.87
7/15/2040	280,873.90	10,242.06	291,115.96	648.23		291,764.19	
1/15/2041		6,913.71	6,913.71	437.58		7,351.28	299,115.47
7/15/2041	288,042.31	6,913.71	294,956.01	437.58		295,393.59	
1/15/2042		3,500.40	3,500.40	221.54		3,721.95	299,115.54
7/15/2042	295,392.73	3,500.40	298,893.14	221.54		299,114.68	
1/15/2043							299,114.68
	6,154,353.70	2,380,146.85	8,534,500.55	149,999.14		8,684,499.69	8,684,499.69

Massachusetts Water Pollution Abatement Trust
Pool 16-2014 Swap
LOWELL Reamortization
CW-07-23-A

Original Loan Amount	1,392,971.00	Loan Origination Fee ($7.5/1000)	0.00
Principal Forgiveness (ARRA)	-	Loan Term (in years)	24
Principal Paid Down	38,409.00	Loan Rate	2.37%
Outstanding Loan Obligation	1,354,562.00	Closing Date	5/30/2014
Remaining Balance	(1,073,619.39)	First Payment	7/15/2014
Net New Loan Obligation	280,942.61		

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	8,169.57	12,870.96	21,040.53	210.71		21,251.24	
1/15/2015		3,232.36	3,232.36	204.58		3,436.94	24,688.18
7/15/2015	8,377.80	3,232.36	11,610.16	204.58		11,814.74	
1/15/2016		3,133.08	3,133.08	198.30		3,331.38	15,146.12
7/15/2016	8,591.70	3,133.08	11,724.78	198.30		11,923.08	
1/15/2017		3,031.27	3,031.27	191.85		3,223.12	15,146.20
7/15/2017	8,810.74	3,031.27	11,842.01	191.85		12,033.87	
1/15/2018		2,926.86	2,926.86	185.24		3,112.11	15,145.98
7/15/2018	9,036.40	2,926.86	11,963.26	185.24		12,148.51	
1/15/2019		2,819.78	2,819.78	178.47		2,998.25	15,146.76
7/15/2019	9,266.12	2,819.78	12,085.91	178.47		12,264.37	
1/15/2020		2,709.98	2,709.98	171.52		2,881.50	15,145.87
7/15/2020	9,503.36	2,709.98	12,213.34	171.52		12,384.85	
1/15/2021		2,597.36	2,597.36	164.39		2,761.76	15,146.61
7/15/2021	9,745.52	2,597.36	12,342.89	164.39		12,507.28	
1/15/2022		2,481.88	2,481.88	157.08		2,638.96	15,146.24
7/15/2022	9,994.04	2,481.88	12,475.92	157.08		12,633.00	
1/15/2023		2,363.45	2,363.45	149.59		2,513.04	15,146.04
7/15/2023	10,249.29	2,363.45	12,612.75	149.59		12,762.33	
1/15/2024		2,242.00	2,242.00	141.90		2,383.90	15,146.23
7/15/2024	10,510.67	2,242.00	12,752.67	141.90		12,894.57	
1/15/2025		2,117.45	2,117.45	134.02		2,251.46	15,146.03
7/15/2025	10,779.54	2,117.45	12,896.98	134.02		13,031.00	
1/15/2026		1,989.71	1,989.71	125.93		2,115.64	15,146.64
7/15/2026	11,054.24	1,989.71	13,043.95	125.93		13,169.88	
1/15/2027		1,858.72	1,858.72	117.64		1,976.36	15,146.24
7/15/2027	11,336.12	1,858.72	13,194.83	117.64		13,312.47	
1/15/2028		1,724.38	1,724.38	109.14		1,833.52	15,145.99
7/15/2028	11,625.47	1,724.38	13,349.86	109.14		13,458.99	
1/15/2029		1,586.62	1,586.62	100.42		1,687.04	15,146.03
7/15/2029	11,922.61	1,586.62	13,509.23	100.42		13,609.65	
1/15/2030		1,445.34	1,445.34	91.48		1,536.81	15,146.47
7/15/2030	12,226.81	1,445.34	13,672.15	91.48		13,763.63	
1/15/2031		1,300.45	1,300.45	82.31		1,382.76	15,146.39
7/15/2031	12,539.34	1,300.45	13,839.79	82.31		13,922.10	
1/15/2032		1,151.86	1,151.86	72.90		1,224.76	15,146.86
7/15/2032	12,858.43	1,151.86	14,010.29	72.90		14,083.19	
1/15/2033		999.49	999.49	63.26		1,062.74	15,145.94
7/15/2033	13,187.31	999.49	14,186.80	63.26		14,250.06	
1/15/2034		843.22	843.22	53.37		896.58	15,146.64
7/15/2034	13,523.19	843.22	14,366.40	53.37		14,419.77	
1/15/2035		682.97	682.97	43.23		726.19	15,145.96
7/15/2035	13,868.24	682.97	14,551.20	43.23		14,594.43	
1/15/2036		518.63	518.63	32.82		551.45	15,145.88
7/15/2036	14,222.62	518.63	14,741.25	32.82		14,774.08	
1/15/2037		350.09	350.09	22.16		372.25	15,146.32
7/15/2037	14,585.49	350.09	14,935.58	22.16		14,957.74	
1/15/2038		177.25	177.25	11.22		188.47	15,146.21
7/15/2038	14,957.96	177.25	15,135.21	11.22		15,146.43	
1/15/2039							15,146.43
	280,942.61	101,439.35	382,381.96	5,816.30		388,198.26	388,198.26

Massachusetts Water Pollution Abatement Trust
Series 16
Lowell Loan Amortization
CW-08-16

Initial Loan Amount	7,466,242.00	Loan Origination Fee ($5.57/1000)	41,586.97
Principal Forgiveness	-	Loan Term (in years)	30
Net Loan Obligation	7,466,242.00	Loan Rate	2.37%
		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		104,203.85	104,203.85	5,599.68	41,586.97	151,390.50	151,390.50
7/15/2013	168,655.00	88,474.97	257,129.97	5,599.68		262,729.65	
1/15/2014		86,476.41	86,476.41	5,473.19		91,949.60	354,679.25
7/15/2014	172,959.00	86,476.41	259,435.41	5,473.19		264,908.60	
1/15/2015		84,426.84	84,426.84	5,343.47		89,770.31	354,678.91
7/15/2015	177,373.00	84,426.84	261,799.84	5,343.47		267,143.31	
1/15/2016		82,324.97	82,324.97	5,210.44		87,535.41	354,678.73
7/15/2016	181,900.00	82,324.97	264,224.97	5,210.44		269,435.41	
1/15/2017		80,169.46	80,169.46	5,074.02		85,243.47	354,678.89
7/15/2017	186,542.00	80,169.46	266,711.46	5,074.02		271,785.47	
1/15/2018		77,958.93	77,958.93	4,934.11		82,893.04	354,678.52
7/15/2018	191,303.00	77,958.93	269,261.93	4,934.11		274,196.04	
1/15/2019		75,691.99	75,691.99	4,790.63		80,482.63	354,678.67
7/15/2019	196,186.00	75,691.99	271,877.99	4,790.63		276,668.63	
1/15/2020		73,367.19	73,367.19	4,643.49		78,010.68	354,679.31
7/15/2020	201,193.00	73,367.19	274,560.19	4,643.49		279,203.68	
1/15/2021		70,983.05	70,983.05	4,492.60		75,475.65	354,679.33
7/15/2021	206,327.00	70,983.05	277,310.05	4,492.60		281,802.65	
1/15/2022		68,538.08	68,538.08	4,337.85		72,875.93	354,678.58
7/15/2022	211,593.00	68,538.08	280,131.08	4,337.85		284,468.93	
1/15/2023		66,030.70	66,030.70	4,179.16		70,209.86	354,678.79
7/15/2023	216,993.00	66,030.70	283,023.70	4,179.16		287,202.86	
1/15/2024		63,459.33	63,459.33	4,016.41		67,475.75	354,678.61
7/15/2024	222,531.00	63,459.33	285,990.33	4,016.41		290,006.75	
1/15/2025		60,822.34	60,822.34	3,849.52		64,671.86	354,678.60
7/15/2025	228,211.00	60,822.34	289,033.34	3,849.52		292,882.86	
1/15/2026		58,118.04	58,118.04	3,678.36		61,796.40	354,679.25
7/15/2026	234,035.00	58,118.04	292,153.04	3,678.36		295,831.40	
1/15/2027		55,344.73	55,344.73	3,502.83		58,847.56	354,678.95
7/15/2027	240,008.00	55,344.73	295,352.73	3,502.83		298,855.56	
1/15/2028		52,500.63	52,500.63	3,322.82		55,823.46	354,679.01
7/15/2028	246,133.00	52,500.63	298,633.63	3,322.82		301,956.46	
1/15/2029		49,583.96	49,583.96	3,138.23		52,722.18	354,678.64
7/15/2029	252,415.00	49,583.96	301,998.96	3,138.23		305,137.18	
1/15/2030		46,592.84	46,592.84	2,948.91		49,541.75	354,678.93
7/15/2030	258,857.00	46,592.84	305,449.84	2,948.91		308,398.75	
1/15/2031		43,525.38	43,525.38	2,754.77		46,280.15	354,678.90
7/15/2031	265,463.00	43,525.38	308,988.38	2,754.77		311,743.15	
1/15/2032		40,379.65	40,379.65	2,555.67		42,935.32	354,678.47
7/15/2032	272,238.00	40,379.65	312,617.65	2,555.67		315,173.32	
1/15/2033		37,153.62	37,153.62	2,351.50		39,505.12	354,678.44
7/15/2033	279,186.00	37,153.62	316,339.62	2,351.50		318,691.12	
1/15/2034		33,845.27	33,845.27	2,142.11		35,987.38	354,678.50
7/15/2034	286,312.00	33,845.27	320,157.27	2,142.11		322,299.38	
1/15/2035		30,452.47	30,452.47	1,927.37		32,379.85	354,679.22
7/15/2035	293,619.00	30,452.47	324,071.47	1,927.37		325,998.85	
1/15/2036		26,973.09	26,973.09	1,707.16		28,680.25	354,679.09
7/15/2036	301,112.00	26,973.09	328,085.09	1,707.16		329,792.25	
1/15/2037		23,404.91	23,404.91	1,481.32		24,886.23	354,678.48
7/15/2037	308,797.00	23,404.91	332,201.91	1,481.32		333,683.23	
1/15/2038		19,745.67	19,745.67	1,249.73		20,995.39	354,678.63
7/15/2038	316,678.00	19,745.67	336,423.67	1,249.73		337,673.39	
1/15/2039		15,993.03	15,993.03	1,012.22		17,005.25	354,678.64
7/15/2039	324,760.00	15,993.03	340,753.03	1,012.22		341,765.25	
1/15/2040		12,144.63	12,144.63	768.65		12,913.27	354,678.52
7/15/2040	333,049.00	12,144.63	345,193.63	768.65		345,962.27	
1/15/2041		8,198.00	8,198.00	518.86		8,716.86	354,679.13
7/15/2041	341,549.00	8,198.00	349,747.00	518.86		350,265.86	
1/15/2042		4,150.64	4,150.64	262.70		4,413.34	354,679.20
7/15/2042	350,265.00	4,150.64	354,415.64	262.70		354,678.34	
1/15/2043							354,678.34
	7,466,242.00	3,089,390.51	10,555,632.51	194,535.55	41,586.97	10,791,755.02	10,791,755.02

Notes:

* Not withstanding 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
Series 16
Lowell Loan Amortization
DWS-07-18-B

Initial Loan Amount	3,151,632.00	Loan Origination Fee ($5.57/1000)	17,554.59
Principal Forgiveness	-	Loan Term (in years)	20
Net Loan Obligation	3,151,632.00	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		37,119.22	37,119.22	2,363.72	17,554.59	57,037.54	57,037.54
7/15/2013	127,487.00	31,516.32	159,003.32	2,363.72		161,367.04	
1/15/2014		30,241.45	30,241.45	2,268.11		32,509.56	193,876.60
7/15/2014	130,258.00	30,241.45	160,499.45	2,268.11		162,767.56	
1/15/2015		28,938.87	28,938.87	2,170.42		31,109.29	193,876.84
7/15/2015	133,088.00	28,938.87	162,026.87	2,170.42		164,197.29	
1/15/2016		27,607.99	27,607.99	2,070.60		29,678.59	193,875.87
7/15/2016	135,981.00	27,607.99	163,588.99	2,070.60		165,659.59	
1/15/2017		26,248.18	26,248.18	1,968.61		28,216.79	193,876.38
7/15/2017	138,936.00	26,248.18	165,184.18	1,968.61		167,152.79	
1/15/2018		24,858.82	24,858.82	1,864.41		26,723.23	193,876.03
7/15/2018	141,956.00	24,858.82	166,814.82	1,864.41		168,679.23	
1/15/2019		23,439.26	23,439.26	1,757.94		25,197.20	193,876.44
7/15/2019	145,041.00	23,439.26	168,480.26	1,757.94		170,238.20	
1/15/2020		21,988.85	21,988.85	1,649.16		23,638.01	193,876.22
7/15/2020	148,193.00	21,988.85	170,181.85	1,649.16		171,831.01	
1/15/2021		20,506.92	20,506.92	1,538.02		22,044.94	193,875.95
7/15/2021	151,414.00	20,506.92	171,920.92	1,538.02		173,458.94	
1/15/2022		18,992.78	18,992.78	1,424.46		20,417.24	193,876.18
7/15/2022	154,705.00	18,992.78	173,697.78	1,424.46		175,122.24	
1/15/2023		17,445.73	17,445.73	1,308.43		18,754.16	193,876.40
7/15/2023	158,067.00	17,445.73	175,512.73	1,308.43		176,821.16	
1/15/2024		15,865.06	15,865.06	1,189.88		17,054.94	193,876.10
7/15/2024	161,503.00	15,865.06	177,368.06	1,189.88		178,557.94	
1/15/2025		14,250.03	14,250.03	1,068.75		15,318.78	193,876.72
7/15/2025	165,013.00	14,250.03	179,263.03	1,068.75		180,331.78	
1/15/2026		12,599.90	12,599.90	944.99		13,544.89	193,876.67
7/15/2026	168,599.00	12,599.90	181,198.90	944.99		182,143.89	
1/15/2027		10,913.91	10,913.91	818.54		11,732.45	193,876.35
7/15/2027	172,263.00	10,913.91	183,176.91	818.54		183,995.45	
1/15/2028		9,191.28	9,191.28	689.35		9,880.63	193,876.08
7/15/2028	176,007.00	9,191.28	185,198.28	689.35		185,887.63	
1/15/2029		7,431.21	7,431.21	557.34		7,988.55	193,876.18
7/15/2029	179,832.00	7,431.21	187,263.21	557.34		187,820.55	
1/15/2030		5,632.89	5,632.89	422.47		6,055.36	193,875.91
7/15/2030	183,741.00	5,632.89	189,373.89	422.47		189,796.36	
1/15/2031		3,795.48	3,795.48	284.66		4,080.14	193,876.50
7/15/2031	187,734.00	3,795.48	191,529.48	284.66		191,814.14	
1/15/2032		1,918.14	1,918.14	143.86		2,062.00	193,876.14
7/15/2032	191,814.00	1,918.14	193,732.14	143.86		193,876.00	
1/15/2033							193,876.00
	3,151,632.00	712,369.04	3,864,001.04	53,007.46	17,554.59	3,934,563.09	3,934,563.09

Notes:

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**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
Series 16
Lowell Loan Amortization
CW-07-23-A

Initial Loan Amount	1,392,971.00	Loan Origination Fee ($5.57/1000)	7,758.85
Principal Forgiveness	-	Loan Term (in years)	26
Net Loan Obligation	1,392,971.00	Loan Rate	2.37%
		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		19,441.23	19,441.23	1,044.73	7,758.85	28,244.81	28,244.81
7/15/2013	38,409.00	16,506.71	54,915.71	1,044.73		55,960.43	
1/15/2014		16,051.56	16,051.56	1,015.92		17,067.48	73,027.92
7/15/2014	39,389.00	16,051.56	55,440.56	1,015.92		56,456.48	
1/15/2015		15,584.80	15,584.80	986.38		16,571.18	73,027.66
7/15/2015	40,394.00	15,584.80	55,978.80	986.38		56,965.18	
1/15/2016		15,106.13	15,106.13	956.08		16,062.22	73,027.40
7/15/2016	41,425.00	15,106.13	56,531.13	956.08		57,487.22	
1/15/2017		14,615.24	14,615.24	925.02		15,540.26	73,027.48
7/15/2017	42,482.00	14,615.24	57,097.24	925.02		58,022.26	
1/15/2018		14,111.83	14,111.83	893.15		15,004.99	73,027.25
7/15/2018	43,567.00	14,111.83	57,678.83	893.15		58,571.99	
1/15/2019		13,595.56	13,595.56	860.48		14,456.04	73,028.03
7/15/2019	44,678.00	13,595.56	58,273.56	860.48		59,134.04	
1/15/2020		13,066.13	13,066.13	826.97		13,893.10	73,027.14
7/15/2020	45,819.00	13,066.13	58,885.13	826.97		59,712.10	
1/15/2021		12,523.17	12,523.17	792.61		13,315.78	73,027.88
7/15/2021	46,988.00	12,523.17	59,511.17	792.61		60,303.78	
1/15/2022		11,966.37	11,966.37	757.37		12,723.73	73,027.51
7/15/2022	48,187.00	11,966.37	60,153.37	757.37		60,910.73	
1/15/2023		11,395.35	11,395.35	721.22		12,116.58	73,027.31
7/15/2023	49,417.00	11,395.35	60,812.35	721.22		61,533.58	
1/15/2024		10,809.76	10,809.76	684.16		11,493.92	73,027.50
7/15/2024	50,678.00	10,809.76	61,487.76	684.16		62,171.92	
1/15/2025		10,209.23	10,209.23	646.15		10,855.38	73,027.30
7/15/2025	51,972.00	10,209.23	62,181.23	646.15		62,827.38	
1/15/2026		9,593.36	9,593.36	607.17		10,200.53	73,027.91
7/15/2026	53,298.00	9,593.36	62,891.36	607.17		63,498.53	
1/15/2027		8,961.78	8,961.78	567.20		9,528.98	73,027.51
7/15/2027	54,658.00	8,961.78	63,619.78	567.20		64,186.98	
1/15/2028		8,314.08	8,314.08	526.21		8,840.29	73,027.26
7/15/2028	56,053.00	8,314.08	64,367.08	526.21		64,893.29	
1/15/2029		7,649.85	7,649.85	484.17		8,134.02	73,027.30
7/15/2029	57,484.00	7,649.85	65,133.85	484.17		65,618.02	
1/15/2030		6,968.67	6,968.67	441.05		7,409.72	73,027.74
7/15/2030	58,951.00	6,968.67	65,919.67	441.05		66,360.72	
1/15/2031		6,270.10	6,270.10	396.84		6,666.94	73,027.66
7/15/2031	60,456.00	6,270.10	66,726.10	396.84		67,122.94	
1/15/2032		5,553.69	5,553.69	351.50		5,905.19	73,028.13
7/15/2032	61,998.00	5,553.69	67,551.69	351.50		67,903.19	
1/15/2033		4,819.02	4,819.02	305.00		5,124.02	73,027.21
7/15/2033	63,581.00	4,819.02	68,400.02	305.00		68,705.02	
1/15/2034		4,065.58	4,065.58	257.32		4,322.90	73,027.91
7/15/2034	65,203.00	4,065.58	69,268.58	257.32		69,525.90	
1/15/2035		3,292.93	3,292.93	208.41		3,501.34	73,027.23
7/15/2035	66,867.00	3,292.93	70,159.93	208.41		70,368.34	
1/15/2036		2,500.55	2,500.55	158.26		2,658.81	73,027.15
7/15/2036	68,574.00	2,500.55	71,074.55	158.26		71,232.81	
1/15/2037		1,687.95	1,687.95	106.83		1,794.78	73,027.60
7/15/2037	70,324.00	1,687.95	72,011.95	106.83		72,118.78	
1/15/2038		854.61	854.61	54.09		908.70	73,027.48
7/15/2038	72,119.00	854.61	72,973.61	54.09		73,027.70	
1/15/2039							73,027.70
	1,392,971.00	495,082.52	1,888,053.52	31,148.61	7,758.85	1,926,960.97	1,926,960.97

Notes:

* Not withstanding 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
Series 16
Lowell Loan Amortization
DW-07-18-A

Initial Loan Amount	417,875.00	Loan Origination Fee ($5.57/1000)	2,327.56
Principal Forgiveness	-	Loan Term (in years)	16
Net Loan Obligation	417,875.00	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		4,921.64	4,921.64	313.41	2,327.56	7,562.61	7,562.61
7/15/2013	22,119.00	4,178.75	26,297.75	313.41		26,611.16	
1/15/2014		3,957.56	3,957.56	296.82		4,254.38	30,865.53
7/15/2014	22,600.00	3,957.56	26,557.56	296.82		26,854.38	
1/15/2015		3,731.56	3,731.56	279.87		4,011.43	30,865.80
7/15/2015	23,091.00	3,731.56	26,822.56	279.87		27,102.43	
1/15/2016		3,500.65	3,500.65	262.55		3,763.20	30,865.63
7/15/2016	23,593.00	3,500.65	27,093.65	262.55		27,356.20	
1/15/2017		3,264.72	3,264.72	244.85		3,509.57	30,865.77
7/15/2017	24,105.00	3,264.72	27,369.72	244.85		27,614.57	
1/15/2018		3,023.67	3,023.67	226.78		3,250.45	30,865.02
7/15/2018	24,629.00	3,023.67	27,652.67	226.78		27,879.45	
1/15/2019		2,777.38	2,777.38	208.30		2,985.68	30,865.13
7/15/2019	25,164.00	2,777.38	27,941.38	208.30		28,149.68	
1/15/2020		2,525.74	2,525.74	189.43		2,715.17	30,864.85
7/15/2020	25,711.00	2,525.74	28,236.74	189.43		28,426.17	
1/15/2021		2,268.63	2,268.63	170.15		2,438.78	30,864.95
7/15/2021	26,270.00	2,268.63	28,538.63	170.15		28,708.78	
1/15/2022		2,005.93	2,005.93	150.44		2,156.37	30,865.15
7/15/2022	26,841.00	2,005.93	28,846.93	150.44		28,997.37	
1/15/2023		1,737.52	1,737.52	130.31		1,867.83	30,865.21
7/15/2023	27,424.00	1,737.52	29,161.52	130.31		29,291.83	
1/15/2024		1,463.28	1,463.28	109.75		1,573.03	30,864.86
7/15/2024	28,021.00	1,463.28	29,484.28	109.75		29,594.03	
1/15/2025		1,183.07	1,183.07	88.73		1,271.80	30,865.83
7/15/2025	28,630.00	1,183.07	29,813.07	88.73		29,901.80	
1/15/2026		896.77	896.77	67.26		964.03	30,865.83
7/15/2026	29,252.00	896.77	30,148.77	67.26		30,216.03	
1/15/2027		604.25	604.25	45.32		649.57	30,865.60
7/15/2027	29,888.00	604.25	30,492.25	45.32		30,537.57	
1/15/2028		305.37	305.37	22.90		328.27	30,865.84
7/15/2028	30,537.00	305.37	30,842.37	22.90		30,865.27	
1/15/2029							30,865.27
	417,875.00	75,592.59	493,467.59	5,613.73	2,327.56	501,408.88	501,408.88

Notes:

* Not withstanding 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
Water Pollution Abatement and Drinking Water Revenue Bonds
State Revolving Fund Bonds
Series 15

SCHEDULE C

Lowell	
DWS-07-18-A	

Final Structuring Analysis

Loan Interest Rate	**2.00%**
ARRA Principal Forgiveness*	2,808,420
Total Loan Amount	10,763,060

Schedule of Loan Repayments

Initial Loan Obligation:	**$7,954,640.00**

	Schedule of Loan Repayments			Admin. Fee	Loan	Total
Date	Principal	Interest	Total	0.00075	Origination Fee	Due
08-Jul-10						
15-Jan-11	$0.00	$82,639.87	$82,639.87	$5,965.98	52,898.36	$141,504.21
15-Jul-11	326,729.00	79,546.40	406,275.40	5,965.98		412,241.38
15-Jan-12	0.00	76,279.11	76,279.11	5,720.93		82,000.04
15-Jul-12	333,330.00	76,279.11	409,609.11	5,720.93		415,330.04
15-Jan-13	0.00	72,945.81	72,945.81	5,470.94		78,416.75
15-Jul-13	340,063.00	72,945.81	413,008.81	5,470.94		418,479.75
15-Jan-14	0.00	69,545.18	69,545.18	5,215.89		74,761.07
15-Jul-14	346,933.00	69,545.18	416,478.18	5,215.89		421,694.07
15-Jan-15	0.00	66,075.85	66,075.85	4,955.69		71,031.54
15-Jul-15	353,942.00	66,075.85	420,017.85	4,955.69		424,973.54
15-Jan-16	0.00	62,536.43	62,536.43	4,690.23		67,226.66
15-Jul-16	361,092.00	62,536.43	423,628.43	4,690.23		428,318.66
15-Jan-17	0.00	58,925.51	58,925.51	4,419.41		63,344.92
15-Jul-17	368,387.00	58,925.51	427,312.51	4,419.41		431,731.92
15-Jan-18	0.00	55,241.64	55,241.64	4,143.12		59,384.76
15-Jul-18	375,829.00	55,241.64	431,070.64	4,143.12		435,213.76
15-Jan-19	0.00	51,483.35	51,483.35	3,861.25		55,344.60
15-Jul-19	383,422.00	51,483.35	434,905.35	3,861.25		438,766.60
15-Jan-20	0.00	47,649.13	47,649.13	3,573.68		51,222.81
15-Jul-20	391,168.00	47,649.13	438,817.13	3,573.68		442,390.81
15-Jan-21	0.00	43,737.45	43,737.45	3,280.31		47,017.76
15-Jul-21	399,070.00	43,737.45	442,807.45	3,280.31		446,087.76
15-Jan-22	0.00	39,746.75	39,746.75	2,981.01		42,727.76
15-Jul-22	407,132.00	39,746.75	446,878.75	2,981.01		449,859.76
15-Jan-23	0.00	35,675.43	35,675.43	2,675.66		38,351.09
15-Jul-23	415,357.00	35,675.43	451,032.43	2,675.66		453,708.09
15-Jan-24	0.00	31,521.86	31,521.86	2,364.14		33,886.00
15-Jul-24	423,748.00	31,521.86	455,269.86	2,364.14		457,634.00
15-Jan-25	0.00	27,284.38	27,284.38	2,046.33		29,330.71
15-Jul-25	432,309.00	27,284.38	459,593.38	2,046.33		461,639.71
15-Jan-26	0.00	22,961.29	22,961.29	1,722.10		24,683.39
15-Jul-26	441,042.00	22,961.29	464,003.29	1,722.10		465,725.39
15-Jan-27	0.00	18,550.87	18,550.87	1,391.32		19,942.19
15-Jul-27	449,952.00	18,550.87	468,502.87	1,391.32		469,894.19
15-Jan-28	0.00	14,051.35	14,051.35	1,053.85		15,105.20
15-Jul-28	459,042.00	14,051.35	473,093.35	1,053.85		474,147.20
15-Jan-29	0.00	9,460.93	9,460.93	709.57		10,170.50
15-Jul-29	468,316.00	9,460.93	477,776.93	709.57		478,486.50
15-Jan-30	0.00	4,777.77	4,777.77	358.33		5,136.10
15-Jul-30	477,777.00	4,777.77	482,554.77	358.33		482,913.10
15-Jan-31	0.00	0.00	0.00	0.00		0.00
15-Jul-31	0.00	0.00	0.00	0.00		0.00
15-Jan-32	0.00	0.00	0.00	0.00		0.00
15-Jul-32	0.00	0.00	0.00	0.00		0.00
15-Jan-33	0.00	0.00	0.00	0.00		0.00
15-Jul-33	0.00	0.00	0.00	0.00		0.00
15-Jan-34	0.00	0.00	0.00	0.00		0.00
15-Jul-34	0.00	0.00	0.00	0.00		0.00
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
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
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
15-Jul-40	0.00	0.00	0.00	0.00		0.00
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
	$7,954,640.00	$1,779,086.45	$9,733,726.45	$133,199.48	$52,898.36	$9,919,824.29

* 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
State Revolving Fund Bonds
Series 15

SCHEDULE C

Lowell
CWS-08-16

Final Structuring Analysis

Financial Equivalent Interest Rate:	2.40%
ARRA Principal Forgiveness*	1,240,702
Total Loan Amount	10,585,659

Schedule of Payments

Initial Principal Amount:	$9,344,957.00

	Schedule of Payments			Admin. Fee		Total
Date	Principal	Interest	Total	0.00075	Origination Fee	Due
08-Jul-10						
15-Jan-11	$0.00	$116,500.46	$116,500.46	$7,008.72	62,143.96	$185,653.14
15-Jul-11	215,270.00	112,139.49	327,409.49	7,008.72		334,418.21
15-Jan-12	0.00	109,556.25	109,556.25	6,847.27		116,403.52
15-Jul-12	220,499.00	109,556.25	330,055.25	6,847.27		336,902.52
15-Jan-13	0.00	106,910.26	106,910.26	6,681.89		113,592.15
15-Jul-13	225,855.00	106,910.26	332,765.26	6,681.89		339,447.15
15-Jan-14	0.00	104,200.00	104,200.00	6,512.50		110,712.50
15-Jul-14	231,342.00	104,200.00	335,542.00	6,512.50		342,054.50
15-Jan-15	0.00	101,423.89	101,423.89	6,338.99		107,762.88
15-Jul-15	236,961.00	101,423.89	338,384.89	6,338.99		344,723.88
15-Jan-16	0.00	98,580.36	98,580.36	6,161.27		104,741.63
15-Jul-16	242,718.00	98,580.36	341,298.36	6,161.27		347,459.63
15-Jan-17	0.00	95,667.75	95,667.75	5,979.23		101,646.98
15-Jul-17	248,613.00	95,667.75	344,280.75	5,979.23		350,259.98
15-Jan-18	0.00	92,684.39	92,684.39	5,792.77		98,477.16
15-Jul-18	254,653.00	92,684.39	347,337.39	5,792.77		353,130.16
15-Jan-19	0.00	89,628.56	89,628.56	5,601.78		95,230.34
15-Jul-19	260,839.00	89,628.56	350,467.56	5,601.78		356,069.34
15-Jan-20	0.00	86,498.49	86,498.49	5,406.16		91,904.65
15-Jul-20	267,175.00	86,498.49	353,673.49	5,406.16		359,079.65
15-Jan-21	0.00	83,292.39	83,292.39	5,205.77		88,498.16
15-Jul-21	273,665.00	83,292.39	356,957.39	5,205.77		362,163.16
15-Jan-22	0.00	80,008.41	80,008.41	5,000.53		85,008.94
15-Jul-22	280,313.00	80,008.41	360,321.41	5,000.53		365,321.94
15-Jan-23	0.00	76,644.65	76,644.65	4,790.29		81,434.94
15-Jul-23	287,122.00	76,644.65	363,766.65	4,790.29		368,556.94
15-Jan-24	0.00	73,199.19	73,199.19	4,574.95		77,774.14
15-Jul-24	294,096.00	73,199.19	367,295.19	4,574.95		371,870.14
15-Jan-25	0.00	69,670.04	69,670.04	4,354.38		74,024.42
15-Jul-25	301,240.00	69,670.04	370,910.04	4,354.38		375,264.42
15-Jan-26	0.00	66,055.16	66,055.16	4,128.45		70,183.61
15-Jul-26	308,558.00	66,055.16	374,613.16	4,128.45		378,741.61
15-Jan-27	0.00	62,352.46	62,352.46	3,897.03		66,249.49
15-Jul-27	316,053.00	62,352.46	378,405.46	3,897.03		382,302.49
15-Jan-28	0.00	58,559.83	58,559.83	3,659.99		62,219.82
15-Jul-28	323,731.00	58,559.83	382,290.83	3,659.99		385,950.82
15-Jan-29	0.00	54,675.06	54,675.06	3,417.19		58,092.25
15-Jul-29	331,595.00	54,675.06	386,270.06	3,417.19		389,687.25
15-Jan-30	0.00	50,695.92	50,695.92	3,168.49		53,864.41
15-Jul-30	339,650.00	50,695.92	390,345.92	3,168.49		393,514.41
15-Jan-31	0.00	46,620.12	46,620.12	2,913.76		49,533.88
15-Jul-31	347,900.00	46,620.12	394,520.12	2,913.76		397,433.88
15-Jan-32	0.00	42,445.32	42,445.32	2,652.83		45,098.15
15-Jul-32	356,351.00	42,445.32	398,796.32	2,652.83		401,449.15
15-Jan-33	0.00	38,169.11	38,169.11	2,385.57		40,554.68
15-Jul-33	365,007.00	38,169.11	403,176.11	2,385.57		405,561.68
15-Jan-34	0.00	33,789.02	33,789.02	2,111.81		35,900.83
15-Jul-34	373,874.00	33,789.02	407,663.02	2,111.81		409,774.83
15-Jan-35	0.00	29,302.53	29,302.53	1,831.41		31,133.94
15-Jul-35	382,956.00	29,302.53	412,258.53	1,831.41		414,089.94
15-Jan-36	0.00	24,707.06	24,707.06	1,544.19		26,251.25
15-Jul-36	392,259.00	24,707.06	416,966.06	1,544.19		418,510.25
15-Jan-37	0.00	19,999.95	19,999.95	1,250.00		21,249.95
15-Jul-37	401,787.00	19,999.95	421,786.95	1,250.00		423,036.95
15-Jan-38	0.00	15,178.51	15,178.51	948.66		16,127.17
15-Jul-38	411,547.00	15,178.51	426,725.51	948.66		427,674.17
15-Jan-39	0.00	10,239.94	10,239.94	640.00		10,879.94
15-Jul-39	421,544.00	10,239.94	431,783.94	640.00		432,423.94
15-Jan-40	0.00	5,181.41	5,181.41	323.84		5,505.25
15-Jul-40	431,784.00	5,181.41	436,965.41	323.84		437,289.25
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
	$9,344,957.00	$3,880,512.01	$13,225,469.01	$242,259.44	$62,143.96	$13,529,872.41

* 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
Series 16
Lowell RWU Loan Amortization
CWS-08-24-A

Initial Loan Amount	11,963,379.00	Loan Origination Fee ($5.57/1000)	66,636.02
Principal Forgiveness	-	Loan Term (in years)	30
Net Loan Obligation	11,963,379.00	Loan Rate	2.37%
		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		166,968.89	166,968.89	8,972.53	66,636.02	242,577.45	242,577.45
7/15/2013	270,240.00	141,766.04	412,006.04	8,972.53		420,978.58	
1/15/2014		138,563.70	138,563.70	8,769.85		147,333.55	568,312.13
7/15/2014	277,137.00	138,563.70	415,700.70	8,769.85		424,470.55	
1/15/2015		135,279.62	135,279.62	8,562.00		143,841.63	568,312.18
7/15/2015	284,210.00	135,279.62	419,489.62	8,562.00		428,051.63	
1/15/2016		131,911.74	131,911.74	8,348.84		140,260.58	568,312.20
7/15/2016	291,464.00	131,911.74	423,375.74	8,348.84		431,724.58	
1/15/2017		128,457.89	128,457.89	8,130.25		136,588.13	568,312.71
7/15/2017	298,902.00	128,457.89	427,359.89	8,130.25		435,490.13	
1/15/2018		124,915.90	124,915.90	7,906.07		132,821.97	568,312.10
7/15/2018	306,531.00	124,915.90	431,446.90	7,906.07		439,352.97	
1/15/2019		121,283.51	121,283.51	7,676.17		128,959.68	568,312.64
7/15/2019	314,354.00	121,283.51	435,637.51	7,676.17		443,313.68	
1/15/2020		117,558.41	117,558.41	7,440.41		124,998.82	568,312.49
7/15/2020	322,377.00	117,558.41	439,935.41	7,440.41		447,375.82	
1/15/2021		113,738.24	113,738.24	7,198.62		120,936.87	568,312.68
7/15/2021	330,604.00	113,738.24	444,342.24	7,198.62		451,540.87	
1/15/2022		109,820.59	109,820.59	6,950.67		116,771.26	568,312.12
7/15/2022	339,042.00	109,820.59	448,862.59	6,950.67		455,813.26	
1/15/2023		105,802.94	105,802.94	6,696.39		112,499.33	568,312.58
7/15/2023	347,695.00	105,802.94	453,497.94	6,696.39		460,194.33	
1/15/2024		101,682.75	101,682.75	6,435.62		108,118.37	568,312.70
7/15/2024	356,568.00	101,682.75	458,250.75	6,435.62		464,686.37	
1/15/2025		97,457.42	97,457.42	6,168.19		103,625.61	568,311.98
7/15/2025	365,668.00	97,457.42	463,125.42	6,168.19		469,293.61	
1/15/2026		93,124.26	93,124.26	5,893.94		99,018.20	568,311.81
7/15/2026	375,001.00	93,124.26	468,125.26	5,893.94		474,019.20	
1/15/2027		88,680.49	88,680.49	5,612.69		94,293.18	568,312.38
7/15/2027	384,571.00	88,680.49	473,251.49	5,612.69		478,864.18	
1/15/2028		84,123.33	84,123.33	5,324.26		89,447.59	568,311.77
7/15/2028	394,386.00	84,123.33	478,509.33	5,324.26		483,833.59	
1/15/2029		79,449.85	79,449.85	5,028.47		84,478.33	568,311.91
7/15/2029	404,452.00	79,449.85	483,901.85	5,028.47		488,930.33	
1/15/2030		74,657.10	74,657.10	4,725.13		79,382.23	568,312.56
7/15/2030	414,774.00	74,657.10	489,431.10	4,725.13		494,156.23	
1/15/2031		69,742.03	69,742.03	4,414.05		74,156.08	568,312.31
7/15/2031	425,360.00	69,742.03	495,102.03	4,414.05		499,516.08	
1/15/2032		64,701.51	64,701.51	4,095.03		68,796.54	568,312.62
7/15/2032	436,216.00	64,701.51	500,917.51	4,095.03		505,012.54	
1/15/2033		59,532.35	59,532.35	3,767.87		63,300.22	568,312.76
7/15/2033	447,348.00	59,532.35	506,880.35	3,767.87		510,648.22	
1/15/2034		54,231.28	54,231.28	3,432.36		57,663.64	568,311.86
7/15/2034	458,765.00	54,231.28	512,996.28	3,432.36		516,428.64	
1/15/2035		48,794.91	48,794.91	3,088.29		51,883.20	568,311.83
7/15/2035	470,474.00	48,794.91	519,268.91	3,088.29		522,357.20	
1/15/2036		43,219.79	43,219.79	2,735.43		45,955.22	568,312.42
7/15/2036	482,481.00	43,219.79	525,700.79	2,735.43		528,436.22	
1/15/2037		37,502.39	37,502.39	2,373.57		39,875.96	568,312.19
7/15/2037	494,795.00	37,502.39	532,297.39	2,373.57		534,670.96	
1/15/2038		31,639.07	31,639.07	2,002.47		33,641.55	568,312.51
7/15/2038	507,423.00	31,639.07	539,062.07	2,002.47		541,064.55	
1/15/2039		25,626.11	25,626.11	1,621.91		27,248.02	568,312.56
7/15/2039	520,373.00	25,626.11	545,999.11	1,621.91		547,621.02	
1/15/2040		19,459.69	19,459.69	1,231.63		20,691.32	568,312.33
7/15/2040	533,654.00	19,459.69	553,113.69	1,231.63		554,345.32	
1/15/2041		13,135.89	13,135.89	831.39		13,967.28	568,312.59
7/15/2041	547,273.00	13,135.89	560,408.89	831.39		561,240.28	
1/15/2042		6,650.71	6,650.71	420.93		7,071.64	568,311.91
7/15/2042	561,241.00	6,650.71	567,891.71	420.93		568,312.64	
1/15/2043							568,312.64
	11,963,379.00	4,950,221.86	16,913,600.86	311,710.06	66,636.02	17,291,946.94	17,291,946.94

Notes:

* Not withstanding 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
Water Pollution Abatement and Drinking Water Revenue Bonds
State Revolving Fund Bonds
Series 15

SCHEDULE C

Lowell Regional Wastewater Utility
CWS-08-24

Final Structuring Analysis

Financial Equivalent Interest Rate:	2.40%
ARRA Principal Forgiveness*	2,675,185
Total Loan Amount	10,861,280

Schedule of Payments

Initial Principal Amount:	$8,186,095.00

	Schedule of Payments			Admin. Fee		Total
Date	Principal	Interest	Total	0.00075	Origination Fee	Due
08-Jul-10						
15-Jan-11	$0.00	$102,053.32	$102,053.32	$6,139.57	54,437.53	$162,630.42
15-Jul-11	188,574.00	98,233.14	286,807.14	6,139.57		292,946.71
15-Jan-12	0.00	95,970.25	95,970.25	5,998.14		101,968.39
15-Jul-12	193,155.00	95,970.25	289,125.25	5,998.14		295,123.39
15-Jan-13	0.00	93,652.39	93,652.39	5,853.27		99,505.66
15-Jul-13	197,847.00	93,652.39	291,499.39	5,853.27		297,352.66
15-Jan-14	0.00	91,278.23	91,278.23	5,704.89		96,983.12
15-Jul-14	202,653.00	91,278.23	293,931.23	5,704.89		299,636.12
15-Jan-15	0.00	88,846.39	88,846.39	5,552.90		94,399.29
15-Jul-15	207,576.00	88,846.39	296,422.39	5,552.90		301,975.29
15-Jan-16	0.00	86,355.48	86,355.48	5,397.22		91,752.70
15-Jul-16	212,618.00	86,355.48	298,973.48	5,397.22		304,370.70
15-Jan-17	0.00	83,804.07	83,804.07	5,237.75		89,041.82
15-Jul-17	217,783.00	83,804.07	301,587.07	5,237.75		306,824.82
15-Jan-18	0.00	81,190.67	81,190.67	5,074.42		86,265.09
15-Jul-18	223,073.00	81,190.67	304,263.67	5,074.42		309,338.09
15-Jan-19	0.00	78,513.80	78,513.80	4,907.11		83,420.91
15-Jul-19	228,492.00	78,513.80	307,005.80	4,907.11		311,912.91
15-Jan-20	0.00	75,771.89	75,771.89	4,735.74		80,507.63
15-Jul-20	234,043.00	75,771.89	309,814.89	4,735.74		314,550.63
15-Jan-21	0.00	72,963.38	72,963.38	4,560.21		77,523.59
15-Jul-21	239,728.00	72,963.38	312,691.38	4,560.21		317,251.59
15-Jan-22	0.00	70,086.64	70,086.64	4,380.41		74,467.05
15-Jul-22	245,551.00	70,086.64	315,637.64	4,380.41		320,018.05
15-Jan-23	0.00	67,140.03	67,140.03	4,196.25		71,336.28
15-Jul-23	251,516.00	67,140.03	318,656.03	4,196.25		322,852.28
15-Jan-24	0.00	64,121.84	64,121.84	4,007.61		68,129.45
15-Jul-24	257,626.00	64,121.84	321,747.84	4,007.61		325,755.45
15-Jan-25	0.00	61,030.33	61,030.33	3,814.40		64,844.73
15-Jul-25	263,884.00	61,030.33	324,914.33	3,814.40		328,728.73
15-Jan-26	0.00	57,863.72	57,863.72	3,616.48		61,480.20
15-Jul-26	270,294.00	57,863.72	328,157.72	3,616.48		331,774.20
15-Jan-27	0.00	54,620.19	54,620.19	3,413.76		58,033.95
15-Jul-27	276,860.00	54,620.19	331,480.19	3,413.76		334,893.95
15-Jan-28	0.00	51,297.87	51,297.87	3,206.12		54,503.99
15-Jul-28	283,585.00	51,297.87	334,882.87	3,206.12		338,088.99
15-Jan-29	0.00	47,894.85	47,894.85	2,993.43		50,888.28
15-Jul-29	290,474.00	47,894.85	338,368.85	2,993.43		341,362.28
15-Jan-30	0.00	44,409.16	44,409.16	2,775.57		47,184.73
15-Jul-30	297,530.00	44,409.16	341,939.16	2,775.57		344,714.73
15-Jan-31	0.00	40,838.80	40,838.80	2,552.42		43,391.22
15-Jul-31	304,757.00	40,838.80	345,595.80	2,552.42		348,148.22
15-Jan-32	0.00	37,181.72	37,181.72	2,323.86		39,505.58
15-Jul-32	312,160.00	37,181.72	349,341.72	2,323.86		351,665.58
15-Jan-33	0.00	33,435.80	33,435.80	2,089.74		35,525.54
15-Jul-33	319,743.00	33,435.80	353,178.80	2,089.74		355,268.54
15-Jan-34	0.00	29,598.88	29,598.88	1,849.93		31,448.81
15-Jul-34	327,510.00	29,598.88	357,108.88	1,849.93		358,958.81
15-Jan-35	0.00	25,668.76	25,668.76	1,604.30		27,273.06
15-Jul-35	335,466.00	25,668.76	361,134.76	1,604.30		362,739.06
15-Jan-36	0.00	21,643.17	21,643.17	1,352.70		22,995.87
15-Jul-36	343,615.00	21,643.17	365,258.17	1,352.70		366,610.87
15-Jan-37	0.00	17,519.79	17,519.79	1,094.99		18,614.78
15-Jul-37	351,962.00	17,519.79	369,481.79	1,094.99		370,576.78
15-Jan-38	0.00	13,296.25	13,296.25	831.02		14,127.27
15-Jul-38	360,512.00	13,296.25	373,808.25	831.02		374,639.27
15-Jan-39	0.00	8,970.10	8,970.10	560.63		9,530.73
15-Jul-39	369,269.00	8,970.10	378,239.10	560.63		378,799.73
15-Jan-40	0.00	4,538.87	4,538.87	283.68		4,822.55
15-Jul-40	378,239.00	4,538.87	382,777.87	283.68		383,061.55
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
	$8,186,095.00	$3,399,293.10	$11,585,388.10	$212,217.04	$54,437.53	$11,852,042.67

* 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 Revenue Bonds
(Pool Loan Program Bonds)
Series 6
Lowell
DW-99-21
Final Loan Structuring Analysis

AMENDED SCHEDULE C

G.E.	50.00%

Schedule of Loan Repayments

Initial Loan Obligation: 8,701,055.00

	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayment		
Date	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
01-Feb-05	0.00	199,869.90	199,869.90	91,470.71	0.00	91,470.71	0.00	108,399.19	108,399.19
01-Aug-05	422,378.00	219,030.94	641,408.94	91,470.71	226,794.33	318,265.04	323,143.90	0.00	323,143.90
01-Feb-06	0.00	214,153.48	214,153.48	87,030.42	8,012.96	95,043.38	0.00	119,110.10	119,110.10
01-Aug-06	434,389.00	214,256.73	648,645.73	87,030.42	229,745.04	316,775.46	331,870.27	0.00	331,870.27
01-Feb-07	0.00	210,000.21	210,000.21	82,463.86	10,780.12	93,243.98	0.00	116,756.23	116,756.23
01-Aug-07	448,415.00	190,806.52	639,221.52	82,463.86	226,843.58	309,307.44	329,914.08	0.00	329,914.08
01-Feb-08	0.00	205,016.87	205,016.87	77,749.85	10,780.12	88,529.97	0.00	116,486.90	116,486.90
01-Aug-08	462,875.00	180,627.60	643,502.60	77,749.85	231,153.93	308,903.78	334,598.82	0.00	334,598.82
01-Feb-09	0.00	200,473.73	200,473.73	72,883.83	10,780.12	83,663.95	0.00	116,809.77	116,809.77
01-Aug-09	476,607.00	150,909.36	627,516.36	72,883.83	230,027.86	302,911.69	324,604.67	0.00	324,604.67
01-Feb-10	0.00	205,048.53	205,048.53	67,873.46	10,780.12	78,653.58	0.00	126,394.96	126,394.96
01-Aug-10	491,391.00	136,554.57	627,945.57	67,873.46	230,781.61	298,655.06	329,290.51	0.00	329,290.51
01-Feb-11	0.00	196,692.39	196,692.39	62,707.66	10,780.12	73,487.78	0.00	123,204.61	123,204.61
01-Aug-11	510,000.00	121,438.49	631,438.49	62,707.66	229,390.17	292,097.83	339,340.66	0.00	339,340.66
01-Feb-12	0.00	182,739.09	182,739.09	57,346.23	10,780.12	68,126.35	0.00	114,612.74	114,612.74
01-Aug-12	525,000.00	92,076.09	617,076.09	57,346.23	216,959.11	274,305.34	342,770.75	0.00	342,770.75
01-Feb-13	0.00	159,414.37	159,414.37	51,827.12	10,780.12	62,607.24	0.00	96,807.13	96,807.13
01-Aug-13	545,000.00	106,942.71	651,942.71	51,827.12	226,810.63	278,637.75	373,304.96	0.00	373,304.96
01-Feb-14	0.00	135,915.80	135,915.80	46,097.75	10,780.12	56,877.87	0.00	79,037.93	79,037.93
01-Aug-14	565,000.00	90,153.28	655,153.28	46,097.75	225,388.55	271,486.30	383,666.98	0.00	383,666.98
01-Feb-15	0.00	120,072.92	120,072.92	40,158.13	10,780.12	50,938.25	0.00	69,134.67	69,134.67
01-Aug-15	585,000.00	83,527.84	668,527.84	40,158.13	226,458.54	266,616.68	401,911.16	0.00	401,911.16
01-Feb-16	0.00	97,737.73	97,737.73	34,008.26	10,780.12	44,788.38	0.00	52,949.35	52,949.35
01-Aug-16	605,000.00	71,206.87	676,206.87	34,008.26	225,964.85	259,973.11	416,233.76	0.00	416,233.76
01-Feb-17	0.00	76,845.69	76,845.69	27,648.14	10,780.12	38,428.26	0.00	38,417.43	38,417.43
01-Aug-17	625,000.00	60,156.34	685,156.34	27,648.14	226,238.61	253,886.75	431,269.59	0.00	431,269.59
01-Feb-18	0.00	53,695.94	53,695.94	21,077.76	10,703.09	31,780.85	0.00	21,915.09	21,915.09
01-Aug-18	650,000.00	48,970.14	698,970.14	21,077.76	229,434.58	250,512.34	448,457.80	0.00	448,457.80
01-Feb-19	0.00	32,793.16	32,793.16	14,244.57	9,392.33	23,636.90	0.00	9,156.26	9,156.26
01-Aug-19	670,000.00	35,568.75	705,568.75	14,244.57	232,965.64	247,210.21	458,358.54	0.00	458,358.54
01-Feb-20	0.00	15,798.99	15,798.99	7,201.13	8,597.86	15,798.99	0.00	0.00	0.00
01-Aug-20	685,000.00	17,981.25	702,981.25	7,201.13	231,874.51	239,075.64	463,905.61	0.00	463,905.61
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
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
	$8,701,055.00	$4,126,476.29	$12,827,531.29	$1,683,577.79	$3,802,119.09	$5,485,696.88	$6,032,642.05	$1,309,192.35	$7,884,350.56

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Series 6

Lowell
DW-99-21

Final Structuring Analysis

Estimated Net Borrower Debt Service

Date	Principal Outstanding	Debt Service [Net of Accrued Interest]	LESS DSRF Earnings @ 5.256300%	LESS Contract Assistance	Estimated Net Debt Service	PLUS Administrative Fee Payable @ 0.075%	Estimated Total Payment	Estimated Total Payment [Fiscal Year ending] 30-Jun
08-Nov-00								
01-Feb-01	$10,282,764.00	$122,767.25	$49,845.46	$10,780.12	$62,141.67	$3,556.12	$65,697.79	$65,697.79
01-Aug-01	10,282,764.00	645,523.22	108,098.58	231,874.51	305,550.13	7,712.07	313,262.20	–
01-Feb-02	9,903,483.00	257,234.29	104,111.36	10,780.12	142,342.81	7,427.61	149,770.42	463,032.62
01-Aug-02	9,903,483.00	647,041.29	104,111.36	231,874.51	311,055.42	7,427.61	318,483.03	–
01-Feb-03	9,513,676.00	247,976.38	100,013.47	10,780.12	137,182.79	7,135.26	144,318.05	462,801.08
01-Aug-03	9,513,676.00	648,855.38	100,013.47	231,874.51	316,967.40	7,135.26	324,102.66	–
01-Feb-04	9,112,797.00	238,455.50	95,799.19	10,780.12	131,876.19	6,834.60	138,710.79	462,813.45
01-Aug-04	9,112,797.00	650,197.50	95,799.19	231,874.51	322,523.80	6,834.60	329,358.40	–
01-Feb-05	8,701,055.00	229,191.31	91,470.71	10,780.12	126,940.48	6,525.79	133,466.27	462,824.67
01-Aug-05	8,701,055.00	651,569.31	91,470.71	231,874.51	328,224.09	6,525.79	334,749.88	–
01-Feb-06	8,278,677.00	219,687.80	87,030.42	10,780.12	121,877.26	6,209.01	128,086.27	462,836.15
01-Aug-06	8,278,677.00	654,076.80	87,030.42	231,874.51	335,171.87	6,209.01	341,380.88	–
01-Feb-07	7,844,288.00	208,828.08	82,463.86	10,780.12	115,584.10	5,883.22	121,467.32	462,848.20
01-Aug-07	7,844,288.00	657,243.08	82,463.86	231,874.51	342,904.71	5,883.22	348,787.93	–
01-Feb-08	7,395,873.00	197,057.18	77,749.85	10,780.12	108,527.21	5,546.90	114,074.11	462,862.04
01-Aug-08	7,395,873.00	659,932.18	77,749.85	231,874.51	350,307.82	5,546.90	355,854.72	–
01-Feb-09	6,932,998.00	185,485.31	72,883.83	10,780.12	101,821.36	5,199.75	107,021.11	462,875.83
01-Aug-09	6,932,998.00	662,092.31	72,883.83	231,874.51	357,333.97	5,199.75	362,533.72	–
01-Feb-10	6,456,391.00	174,165.89	67,873.46	10,780.12	95,512.31	4,842.29	100,354.60	462,888.32
01-Aug-10	6,456,391.00	665,556.89	67,873.46	231,874.51	365,808.92	4,842.29	370,651.21	–
01-Feb-11	5,965,000.00	161,266.88	62,707.66	10,780.12	87,779.10	4,473.75	92,252.85	462,904.06
01-Aug-11	5,965,000.00	671,266.88	62,707.66	231,874.51	376,684.71	4,473.75	381,158.46	–
01-Feb-12	5,455,000.00	147,879.38	57,346.23	10,780.12	79,753.03	4,091.25	83,844.28	465,002.74
01-Aug-12	5,455,000.00	672,879.38	57,346.23	231,874.51	383,658.64	4,091.25	387,749.89	–
01-Feb-13	4,930,000.00	133,441.88	51,827.12	10,780.12	70,834.64	3,697.50	74,532.14	462,282.03
01-Aug-13	4,930,000.00	678,441.88	51,827.12	231,874.51	394,740.25	3,697.50	398,437.75	–
01-Feb-14	4,385,000.00	119,544.38	46,097.75	10,780.12	62,666.51	3,288.75	65,955.26	464,393.01
01-Aug-14	4,385,000.00	684,544.38	46,097.75	231,874.51	406,572.12	3,288.75	409,860.87	–
01-Feb-15	3,820,000.00	103,653.75	40,158.13	10,780.12	52,715.50	2,865.00	55,580.50	465,441.37
01-Aug-15	3,820,000.00	688,653.75	40,158.13	231,874.51	416,621.11	2,865.00	419,486.11	–
01-Feb-16	3,235,000.00	88,443.75	34,008.26	10,780.12	43,655.37	2,426.25	46,081.62	465,567.73
01-Aug-16	3,235,000.00	693,443.75	34,008.26	231,874.51	427,560.98	2,426.25	429,987.23	–
01-Feb-17	2,630,000.00	71,428.13	27,648.14	10,780.12	32,999.87	1,972.50	34,972.37	464,959.60
01-Aug-17	2,630,000.00	696,428.13	27,648.14	231,874.51	436,905.48	1,972.50	438,877.98	–
01-Feb-18	2,005,000.00	53,850.00	21,077.76	10,780.12	21,992.12	1,503.75	23,495.87	462,373.85
01-Aug-18	2,005,000.00	703,850.00	21,077.76	231,874.51	450,897.73	1,503.75	452,401.48	–
01-Feb-19	1,355,000.00	35,568.75	14,244.57	10,780.12	10,544.06	1,016.25	11,560.31	463,961.79
01-Aug-19	1,355,000.00	705,568.75	14,244.57	231,874.51	459,449.67	1,016.25	460,465.92	–
01-Feb-20	685,000.00	17,981.25	7,201.13	10,780.12	0.00	513.75	513.75	460,979.67
01-Aug-20	685,000.00	702,981.25	7,201.13	231,874.51	463,905.61	513.75	464,419.36	–
01-Feb-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	464,419.36
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	–
		$16,454,053.25	$2,441,369.84	$4,853,092.60	$9,159,590.81	$174,174.55	$9,333,765.36	$9,333,765.36

Average Annual Net Debt Service:	$464,233.80

Max:	465,567.73
Min:	460,979.67
Span:	4,588.06

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 8
Lowell
CW-01-16
Final Loan Structuring Analysis

AMENDED SCHEDULE C

G.E.	50.00%

Schedule of Loan Repayments

Initial Loan Obligation: 5,050,387.00

	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayment		
Date	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
01-Feb-05	0.00	111,746.44	111,746.44	54,547.97	0.00	54,547.97	0.00	57,198.47	57,198.47
01-Aug-05	226,867.00	117,352.95	344,219.95	54,547.97	102,667.29	157,215.25	187,004.70	0.00	187,004.70
01-Feb-06	0.00	113,949.94	113,949.94	52,097.63	70.99	52,168.62	0.00	61,781.32	61,781.32
01-Aug-06	229,125.00	113,949.94	343,074.94	52,097.63	102,667.29	154,764.92	188,310.02	0.00	188,310.02
01-Feb-07	0.00	110,513.07	110,513.07	49,622.91	70.99	49,693.90	0.00	60,819.17	60,819.17
01-Aug-07	231,406.00	110,513.07	341,919.07	49,622.91	102,667.29	152,290.20	189,628.87	0.00	189,628.87
01-Feb-08	0.00	107,041.98	107,041.98	47,123.55	70.99	47,194.54	0.00	59,847.44	59,847.44
01-Aug-08	234,890.00	107,863.91	342,753.91	47,123.55	103,072.09	150,195.64	192,558.27	0.00	192,558.27
01-Feb-09	0.00	102,331.85	102,331.85	44,586.57	70.99	44,657.56	0.00	57,674.30	57,674.30
01-Aug-09	240,831.00	102,331.85	343,162.85	44,586.57	102,654.96	147,241.52	195,921.33	0.00	195,921.33
01-Feb-10	0.00	96,311.07	96,311.07	41,985.41	70.99	42,056.40	0.00	54,254.67	54,254.67
01-Aug-10	248,145.00	96,311.07	344,456.07	41,985.41	102,654.96	144,640.37	199,815.71	0.00	199,815.71
01-Feb-11	0.00	90,107.45	90,107.45	39,305.26	70.99	39,376.25	0.00	50,731.21	50,731.21
01-Aug-11	255,681.00	90,107.45	345,788.45	39,305.26	102,654.96	141,960.22	203,828.24	0.00	203,828.24
01-Feb-12	0.00	83,715.42	83,715.42	36,543.71	70.99	36,614.70	0.00	47,100.72	47,100.72
01-Aug-12	263,442.00	83,715.42	347,157.42	36,543.71	104,161.12	140,704.83	206,452.59	0.00	206,452.59
01-Feb-13	0.00	80,141.70	80,141.70	33,698.34	70.99	33,769.33	0.00	46,372.37	46,372.37
01-Aug-13	270,000.00	61,264.01	331,264.01	33,698.34	95,112.12	128,810.46	202,453.54	0.00	202,453.54
01-Feb-14	0.00	70,821.57	70,821.57	30,782.14	70.99	30,853.13	0.00	39,968.45	39,968.45
01-Aug-14	280,000.00	53,200.01	333,200.01	30,782.14	94,623.41	125,405.55	207,794.46	0.00	207,794.46
01-Feb-15	0.00	63,470.64	63,470.64	27,757.93	70.99	27,828.92	0.00	35,641.73	35,641.73
01-Aug-15	290,000.00	46,567.56	336,567.56	27,757.93	95,022.72	122,780.65	213,786.91	0.00	213,786.91
01-Feb-16	0.00	56,301.71	56,301.71	24,625.71	70.99	24,696.70	0.00	31,605.01	31,605.01
01-Aug-16	300,000.00	38,643.98	338,643.98	24,625.71	94,788.19	119,413.90	219,230.08	0.00	219,230.08
01-Feb-17	0.00	49,006.24	49,006.24	21,385.49	70.99	21,456.48	0.00	27,549.76	27,549.76
01-Aug-17	310,000.00	36,335.59	346,335.59	21,385.49	97,424.14	118,809.63	227,525.96	0.00	227,525.96
01-Feb-18	0.00	41,336.53	41,336.53	18,037.25	70.99	18,108.24	0.00	23,228.29	23,228.29
01-Aug-18	315,000.00	38,120.45	353,120.45	18,037.25	102,231.54	120,268.79	232,851.65	0.00	232,851.65
01-Feb-19	0.00	33,541.47	33,541.47	14,635.02	70.99	14,706.01	0.00	18,835.46	18,835.46
01-Aug-19	325,000.00	20,235.48	345,235.48	14,635.02	97,342.37	111,977.39	233,258.09	0.00	233,258.09
01-Feb-20	0.00	25,648.10	25,648.10	11,124.77	70.99	11,195.76	0.00	14,452.34	14,452.34
01-Aug-20	335,000.00	17,817.33	352,817.33	11,124.77	100,246.75	111,371.52	241,445.81	0.00	241,445.81
01-Feb-21	0.00	17,375.00	17,375.00	7,506.52	70.99	7,577.51	0.00	9,797.49	9,797.49
01-Aug-21	345,000.00	17,375.00	362,375.00	7,506.52	104,213.08	111,719.61	250,655.39	0.00	250,655.39
01-Feb-22	0.00	8,750.00	8,750.00	3,780.26	70.99	3,851.25	0.00	4,898.75	4,898.75
01-Aug-22	350,000.00	8,750.00	358,750.00	3,780.26	104,213.08	107,993.35	250,756.65	0.00	250,756.65
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
01-Aug-25	0.00	0.00	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	0.00
	5,050,387.00	2,422,565.30	7,472,952.30	1,118,292.87	1,809,624.20	2,927,917.07	3,843,278.29	701,756.95	4,545,035.23

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 8

Lowell
CW-01-16

Preliminary Structuring Analysis

Estimated Net Borrower Debt Service

Date 26-Nov-02	Principal Outstanding	Debt Service [Net of Accrued Interest]	LESS DSRF Earnings @ 4.320300%	LESS Contract Assistance	Estimated Net Debt Service	PLUS Administrative Fee Payable @ 0.075000%	Estimated Total Payment	Estimated Total Payment [Fiscal Year ending] 30-Jun
01-Feb-03	$5,497,576.00	$45,357.93	$21,442.04	$70.99	$23,844.90	$1,488.93	$25,333.83	$25,333.83
01-Aug-03	5,497,576.00	348,164.58	59,377.94	104,213.08	184,573.56	4,123.18	188,696.74	–
01-Feb-04	5,275,018.00	122,268.21	56,974.15	70.99	65,223.07	3,956.26	69,179.33	257,876.07
01-Aug-04	5,275,018.00	346,899.21	56,974.15	104,213.08	185,711.98	3,956.26	189,668.24	–
01-Feb-05	5,050,387.00	118,898.75	54,547.97	70.99	64,279.79	3,787.79	68,067.58	257,735.82
01-Aug-05	5,050,387.00	345,765.75	54,547.97	104,213.08	187,004.70	3,787.79	190,792.49	–
01-Feb-06	4,823,520.00	115,495.74	52,097.63	70.99	63,327.12	3,617.64	66,944.76	257,737.25
01-Aug-06	4,823,520.00	344,620.74	52,097.63	104,213.08	188,310.03	3,617.64	191,927.67	–
01-Feb-07	4,594,395.00	112,058.87	49,622.91	70.99	62,364.97	3,445.80	65,810.77	257,738.44
01-Aug-07	4,594,395.00	343,464.87	49,622.91	104,213.08	189,628.88	3,445.80	193,074.68	–
01-Feb-08	4,362,989.00	108,587.78	47,123.55	70.99	61,393.24	3,272.24	64,665.48	257,740.16
01-Aug-08	4,362,989.00	343,477.78	47,123.55	104,213.08	192,141.15	3,272.24	195,413.39	–
01-Feb-09	4,128,099.00	103,889.98	44,586.57	70.99	59,232.42	3,096.07	62,328.49	257,741.88
01-Aug-09	4,128,099.00	344,720.98	44,586.57	104,213.08	195,921.33	3,096.07	199,017.40	–
01-Feb-10	3,887,268.00	97,869.20	41,985.41	70.99	55,812.80	2,915.45	58,728.25	257,745.65
01-Aug-10	3,887,268.00	346,014.20	41,985.41	104,213.08	199,815.71	2,915.45	202,731.16	–
01-Feb-11	3,639,123.00	91,665.58	39,305.26	70.99	52,289.33	2,729.34	55,018.67	257,749.83
01-Aug-11	3,639,123.00	347,346.58	39,305.26	104,213.08	203,828.24	2,729.34	206,557.58	–
01-Feb-12	3,383,442.00	85,273.55	36,543.71	70.99	48,658.85	2,537.58	51,196.43	257,754.01
01-Aug-12	3,383,442.00	348,715.55	36,543.71	104,213.08	207,958.76	2,537.58	210,496.34	–
01-Feb-13	3,120,000.00	78,687.50	33,698.34	70.99	44,918.17	2,340.00	47,258.17	257,754.51
01-Aug-13	3,120,000.00	348,687.50	33,698.34	104,213.08	210,776.08	2,340.00	213,116.08	–
01-Feb-14	2,850,000.00	71,600.00	30,782.14	70.99	40,746.87	2,137.50	42,884.37	256,000.45
01-Aug-14	2,850,000.00	351,600.00	30,782.14	104,213.08	216,604.78	2,137.50	218,742.28	–
01-Feb-15	2,570,000.00	64,250.00	27,757.93	70.99	36,421.08	1,927.50	38,348.58	257,090.86
01-Aug-15	2,570,000.00	354,250.00	27,757.93	104,213.08	222,278.99	1,927.50	224,206.49	–
01-Feb-16	2,280,000.00	57,000.00	24,625.71	70.99	32,303.30	1,710.00	34,013.30	258,219.79
01-Aug-16	2,280,000.00	357,000.00	24,625.71	104,213.08	228,161.21	1,710.00	229,871.21	–
01-Feb-17	1,980,000.00	49,500.00	21,385.49	70.99	28,043.52	1,485.00	29,528.52	259,399.73
01-Aug-17	1,980,000.00	359,500.00	21,385.49	104,213.08	233,901.43	1,485.00	235,386.43	–
01-Feb-18	1,670,000.00	41,750.00	18,037.25	70.99	23,641.76	1,252.50	24,894.26	260,280.69
01-Aug-18	1,670,000.00	356,750.00	18,037.25	104,213.08	234,499.67	1,252.50	235,752.17	–
01-Feb-19	1,355,000.00	33,875.00	14,635.02	70.99	19,168.99	1,016.25	20,185.24	255,937.41
01-Aug-19	1,355,000.00	358,875.00	14,635.02	104,213.08	240,026.90	1,016.25	241,043.15	–
01-Feb-20	1,030,000.00	25,750.00	11,124.77	70.99	14,554.24	772.50	15,326.74	256,369.89
01-Aug-20	1,030,000.00	360,750.00	11,124.77	104,213.08	245,412.15	772.50	246,184.65	–
01-Feb-21	695,000.00	17,375.00	7,506.52	70.99	9,797.49	521.25	10,318.74	256,503.39
01-Aug-21	695,000.00	362,375.00	7,506.52	104,213.08	250,655.40	521.25	251,176.65	–
01-Feb-22	350,000.00	8,750.00	3,780.26	70.99	4,898.75	262.50	5,161.25	256,337.90
01-Aug-22	350,000.00	358,750.00	3,780.26	104,213.08	250,756.66	262.50	251,019.16	–
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	251,019.16
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	–
01-Feb-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	–
		$8,477,630.83	$1,313,061.16	$2,085,681.48	$5,078,888.19	$91,178.45	$5,170,066.64	$5,170,066.64

Average Annual Net Debt Service	$258,061.67

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 10
Lowell
CW-03-22
Final Loan Structuring Analysis

AMENDED SCHEDULE C

Net Borrower Savings due to 2006 Refunding:	132,922.88
G.E.	2.00%

Schedule of Loan Repayments

Initial Loan Obligation:	4,619,301.00

	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayment		
Date	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
01-Feb-07	0.00	112,891.23	112,891.23	30,171.80	6,232.02	36,403.82	0.00	76,487.41	76,487.41
01-Aug-07	189,638.00	109,454.90	299,092.90	30,171.80	20,581.93	50,753.73	189,638.00	58,701.17	248,339.17
01-Feb-08	0.00	104,713.95	104,713.95	28,933.14	5,722.16	34,655.30	0.00	70,058.65	70,058.65
01-Aug-08	194,792.00	104,713.95	299,505.95	28,933.14	20,581.93	49,515.08	194,792.00	55,198.87	249,990.87
01-Feb-09	0.00	101,792.07	101,792.07	27,660.82	5,722.16	33,382.98	0.00	68,409.09	68,409.09
01-Aug-09	200,139.00	101,792.07	301,931.07	27,660.82	20,581.93	48,242.76	200,139.00	53,549.31	253,688.31
01-Feb-10	0.00	96,788.59	96,788.59	26,353.58	5,722.16	32,075.74	0.00	64,712.85	64,712.85
01-Aug-10	207,672.00	96,788.59	304,460.59	26,353.58	20,581.93	46,935.51	207,672.00	49,853.08	257,525.08
01-Feb-11	0.00	91,596.79	91,596.79	24,997.13	5,722.16	30,719.29	0.00	60,877.50	60,877.50
01-Aug-11	213,314.00	91,596.79	304,910.79	24,997.13	20,581.93	45,579.07	213,314.00	46,017.72	259,331.72
01-Feb-12	0.00	88,397.08	88,397.08	23,603.83	5,722.16	29,325.99	0.00	59,071.09	59,071.09
01-Aug-12	219,169.00	88,397.08	307,566.08	23,603.83	20,581.93	44,185.77	219,169.00	44,211.31	263,380.31
01-Feb-13	0.00	82,917.86	82,917.86	22,172.29	5,722.16	27,894.45	0.00	55,023.41	55,023.41
01-Aug-13	227,708.00	82,917.86	310,625.86	22,172.29	20,581.93	42,754.23	227,708.00	40,163.64	267,871.64
01-Feb-14	0.00	76,940.52	76,940.52	20,684.98	5,722.16	26,407.13	0.00	50,533.39	50,533.39
01-Aug-14	236,869.00	76,940.52	313,809.52	20,684.98	20,581.93	41,266.91	236,869.00	35,673.61	272,542.61
01-Feb-15	0.00	70,722.71	70,722.71	19,137.82	5,722.16	24,859.98	0.00	45,862.73	45,862.73
01-Aug-15	245,000.00	70,722.71	315,722.71	19,137.82	20,581.93	39,719.76	245,000.00	31,002.95	276,002.95
01-Feb-16	0.00	64,291.46	64,291.46	17,537.56	5,722.16	23,259.72	0.00	41,031.74	41,031.74
01-Aug-16	255,000.00	59,829.43	314,829.43	17,537.56	19,868.39	37,405.95	255,000.00	22,423.48	277,423.48
01-Feb-17	0.00	57,961.03	57,961.03	15,871.98	5,780.26	21,652.24	0.00	36,308.79	36,308.79
01-Aug-17	265,000.00	52,988.43	317,988.43	15,871.98	19,844.84	35,716.82	265,000.00	17,271.60	282,271.60
01-Feb-18	0.00	51,191.77	51,191.77	14,141.09	5,810.16	19,951.25	0.00	31,240.52	31,240.52
01-Aug-18	275,000.00	46,221.19	321,221.19	14,141.09	19,875.07	34,016.15	275,000.00	12,205.04	287,205.04
01-Feb-19	0.00	44,312.35	44,312.35	12,344.88	5,809.46	18,154.33	0.00	26,158.02	26,158.02
01-Aug-19	285,000.00	39,545.41	324,545.41	12,344.88	19,906.92	32,251.80	285,000.00	7,293.61	292,293.61
01-Feb-20	0.00	37,214.40	37,214.40	10,483.35	5,813.78	16,297.13	0.00	20,917.27	20,917.27
01-Aug-20	300,000.00	32,604.44	332,604.44	10,483.35	19,936.35	30,419.70	300,000.00	2,184.74	302,184.74
01-Feb-21	0.00	29,804.55	29,804.55	8,523.84	5,828.20	14,352.04	0.00	15,452.51	15,452.51
01-Aug-21	310,000.00	25,382.14	335,382.14	8,523.84	19,980.76	28,504.60	306,877.53	0.00	306,877.53
01-Feb-22	0.00	22,243.95	22,243.95	6,499.02	5,858.48	12,357.51	0.00	9,886.44	9,886.44
01-Aug-22	320,000.00	16,002.58	336,002.58	6,499.02	19,720.17	26,219.19	309,783.39	0.00	309,783.39
01-Feb-23	0.00	15,467.56	15,467.56	4,408.88	6,054.16	10,463.04	0.00	5,004.52	5,004.52
01-Aug-23	335,000.00	6,252.43	341,252.43	4,408.88	19,771.66	24,180.54	317,071.89	0.00	317,071.89
01-Feb-24	0.00	8,105.56	8,105.56	2,220.77	5,884.79	8,105.56	0.00	0.00	0.00
01-Aug-24	340,000.00	0.00	340,000.00	2,220.77	21,427.61	23,648.38	316,351.62	0.00	316,351.62
01-Feb-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	$4,619,301.00	$2,259,503.97	$6,878,804.97	$631,493.53	$470,139.93	$1,101,633.46	$4,564,385.43	$1,212,786.09	$5,777,171.52

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 10
Lowell
V-99-21
al Loan Structuring Analysis

AMENDED SCHEDULE C

Net Borrower Savings due to 2006 Refunding:	7,567.57
G.E.	50.00%

Schedule of Loan Repayments

Initial Loan Obligation:	478,184.00

	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayment		
Date	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
01-Feb-07	0.00	11,438.30	11,438.30	3,748.39	595.80	4,344.19	0.00	7,094.11	7,094.11
01-Aug-07	20,061.00	11,086.33	31,147.33	3,748.39	10,703.92	14,452.31	16,695.02	0.00	16,695.02
01-Feb-08	0.00	10,584.81	10,584.81	3,591.13	422.24	4,013.37	0.00	6,571.44	6,571.44
01-Aug-08	20,790.00	10,584.81	31,374.81	3,591.13	10,703.92	14,295.05	17,079.76	0.00	17,079.76
01-Feb-09	0.00	10,065.06	10,065.06	3,428.17	422.24	3,850.40	0.00	6,214.66	6,214.66
01-Aug-09	21,333.00	10,065.06	31,398.06	3,428.17	10,703.92	14,132.08	17,265.98	0.00	17,265.98
01-Feb-10	0.00	9,745.06	9,745.06	3,260.94	422.24	3,683.18	0.00	6,061.88	6,061.88
01-Aug-10	21,896.00	9,745.06	31,641.06	3,260.94	10,703.92	13,964.86	17,676.20	0.00	17,676.20
01-Feb-11	0.00	9,197.66	9,197.66	3,089.30	422.24	3,511.54	0.00	5,686.12	5,686.12
01-Aug-11	22,468.00	9,197.66	31,665.66	3,089.30	10,703.92	13,793.22	17,872.44	0.00	17,872.44
01-Feb-12	0.00	8,860.64	8,860.64	2,913.18	422.24	3,335.42	0.00	5,525.22	5,525.22
01-Aug-12	23,061.00	8,860.64	31,921.64	2,913.18	10,703.92	13,617.10	18,304.54	0.00	18,304.54
01-Feb-13	0.00	8,284.12	8,284.12	2,732.41	422.24	3,154.64	0.00	5,129.48	5,129.48
01-Aug-13	23,935.00	8,284.12	32,219.12	2,732.41	10,703.92	13,436.33	18,782.79	0.00	18,782.79
01-Feb-14	0.00	7,655.82	7,655.82	2,544.79	422.24	2,967.02	0.00	4,688.80	4,688.80
01-Aug-14	24,640.00	7,655.82	32,295.82	2,544.79	10,703.92	13,248.70	19,047.12	0.00	19,047.12
01-Feb-15	0.00	7,236.94	7,236.94	2,351.64	422.24	2,773.88	0.00	4,463.07	4,463.07
01-Aug-15	25,000.00	7,236.94	32,236.94	2,351.64	10,703.92	13,055.56	19,181.38	0.00	19,181.38
01-Feb-16	0.00	6,580.69	6,580.69	2,155.67	422.24	2,577.91	0.00	4,002.79	4,002.79
01-Aug-16	25,000.00	6,149.94	31,149.94	2,155.67	10,488.54	12,644.21	18,505.73	0.00	18,505.73
01-Feb-17	0.00	5,960.29	5,960.29	1,959.70	440.16	2,399.86	0.00	3,560.43	3,560.43
01-Aug-17	25,000.00	5,504.12	30,504.12	1,959.70	10,493.76	12,453.46	18,050.67	0.00	18,050.67
01-Feb-18	0.00	5,320.24	5,320.24	1,763.73	448.26	2,211.99	0.00	3,108.25	3,108.25
01-Aug-18	30,000.00	4,770.49	34,770.49	1,763.73	10,455.06	12,218.79	22,551.69	0.00	22,551.69
01-Feb-19	0.00	4,571.85	4,571.85	1,528.57	449.07	1,977.63	0.00	2,594.22	2,594.22
01-Aug-19	30,000.00	4,065.36	34,065.36	1,528.57	10,477.50	12,006.07	22,059.29	0.00	22,059.29
01-Feb-20	0.00	3,825.74	3,825.74	1,293.40	451.01	1,744.41	0.00	2,081.33	2,081.33
01-Aug-20	30,000.00	3,370.86	33,370.86	1,293.40	10,505.25	11,798.66	21,572.21	0.00	21,572.21
01-Feb-21	0.00	3,083.20	3,083.20	1,058.24	454.74	1,512.98	0.00	1,570.22	1,570.22
01-Aug-21	30,000.00	2,669.01	32,669.01	1,058.24	10,668.08	11,726.32	20,942.69	0.00	20,942.69
01-Feb-22	0.00	2,347.49	2,347.49	823.07	323.13	1,146.20	0.00	1,201.29	1,201.29
01-Aug-22	35,000.00	1,657.18	36,657.18	823.07	9,914.50	10,737.57	25,919.60	0.00	25,919.60
01-Feb-23	0.00	1,604.10	1,604.10	548.72	454.74	1,003.46	0.00	600.64	600.64
01-Aug-23	35,000.00	640.96	35,640.96	548.72	10,348.10	10,896.81	24,744.15	0.00	24,744.15
01-Feb-24	0.00	834.41	834.41	274.36	560.05	834.41	0.00	0.00	0.00
01-Aug-24	35,000.00	0.00	35,000.00	274.36	10,545.59	10,819.95	24,180.05	0.00	24,180.05
01-Feb-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	$478,184.00	$228,740.80	$706,924.80	$78,130.81	$198,208.72	$276,339.53	$360,431.33	$70,153.95	$430,585.27

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

Lowell
DW-99-21

inal 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	$517,019.00	$4,524.81	1,531.06	$600.64	$2,393.11	$146.49	$2,539.60	$2,539.60
01-Aug-05	517,019.00	31,271.43	4,052.81	10,882.32	16,336.30	387.76	16,724.06	--
01-Feb-06	497,725.00	11,736.26	3,901.57	600.64	7,234.05	373.29	7,607.34	24,331.40
01-Aug-06	497,725.00	31,277.26	3,901.57	10,882.32	16,493.37	373.29	16,866.66	--
01-Feb-07	478,184.00	11,443.14	3,748.39	600.64	7,094.11	358.64	7,452.75	24,319.41
01-Aug-07	478,184.00	31,504.14	3,748.39	10,882.32	16,873.43	358.64	17,232.07	--
01-Feb-08	458,123.00	10,941.62	3,591.13	600.64	6,749.85	343.59	7,093.44	24,325.51
01-Aug-08	458,123.00	31,731.62	3,591.13	10,882.32	17,258.17	343.59	17,601.76	--
01-Feb-09	437,333.00	10,421.87	3,428.17	600.64	6,393.06	328.00	6,721.06	24,322.82
01-Aug-09	437,333.00	31,754.87	3,428.17	10,882.32	17,444.38	328.00	17,772.38	--
01-Feb-10	416,000.00	10,101.87	3,260.94	600.64	6,240.29	312.00	6,552.29	24,324.67
01-Aug-10	416,000.00	31,997.87	3,260.94	10,882.32	17,854.61	312.00	18,166.61	--
01-Feb-11	394,104.00	9,554.47	3,089.30	600.64	5,864.53	295.58	6,160.11	24,326.72
01-Aug-11	394,104.00	32,022.47	3,089.30	10,882.32	18,050.85	295.58	18,346.43	--
01-Feb-12	371,636.00	9,217.45	2,913.18	600.64	5,703.63	278.73	5,982.36	24,328.79
01-Aug-12	371,636.00	32,278.45	2,913.18	10,882.32	18,482.95	278.73	18,761.68	--
01-Feb-13	348,575.00	8,640.93	2,732.41	600.64	5,307.88	261.43	5,569.31	24,330.99
01-Aug-13	348,575.00	32,575.93	2,732.41	10,882.32	18,961.20	261.43	19,222.63	--
01-Feb-14	324,640.00	8,012.63	2,544.79	600.64	4,867.20	243.48	5,110.68	24,333.31
01-Aug-14	324,640.00	32,652.63	2,544.79	10,882.32	19,225.52	243.48	19,469.00	--
01-Feb-15	300,000.00	7,593.75	2,351.64	600.64	4,641.47	225.00	4,866.47	24,335.47
01-Aug-15	300,000.00	32,593.75	2,351.64	10,882.32	19,359.79	225.00	19,584.79	--
01-Feb-16	275,000.00	6,937.50	2,155.67	600.64	4,181.19	206.25	4,387.44	23,972.23
01-Aug-16	275,000.00	31,937.50	2,155.67	10,882.32	18,899.51	206.25	19,105.76	--
01-Feb-17	250,000.00	6,281.25	1,959.70	600.64	3,720.91	187.50	3,908.41	23,014.17
01-Aug-17	250,000.00	31,281.25	1,959.70	10,882.32	18,439.23	187.50	18,626.73	--
01-Feb-18	225,000.00	5,625.00	1,763.73	600.64	3,260.63	168.75	3,429.38	22,056.11
01-Aug-18	225,000.00	35,625.00	1,763.73	10,882.32	22,978.95	168.75	23,147.70	--
01-Feb-19	195,000.00	4,875.00	1,528.57	600.64	2,745.79	146.25	2,892.04	26,039.74
01-Aug-19	195,000.00	34,875.00	1,528.57	10,882.32	22,464.11	146.25	22,610.36	--
01-Feb-20	165,000.00	4,125.00	1,293.40	600.64	2,230.96	123.75	2,354.71	24,965.07
01-Aug-20	165,000.00	34,125.00	1,293.40	10,882.32	21,949.28	123.75	22,073.03	--
01-Feb-21	135,000.00	3,375.00	1,058.24	600.64	1,716.12	101.25	1,817.37	23,890.40
01-Aug-21	135,000.00	33,375.00	1,058.24	10,882.32	21,434.44	101.25	21,535.69	--
01-Feb-22	105,000.00	2,625.00	823.07	600.64	1,201.29	78.75	1,280.04	22,815.73
01-Aug-22	105,000.00	37,625.00	823.07	10,882.32	25,919.61	78.75	25,998.36	--
01-Feb-23	70,000.00	1,750.00	548.72	600.64	600.64	52.50	653.14	26,651.50
01-Aug-23	70,000.00	36,750.00	548.72	10,882.32	25,318.96	52.50	25,371.46	--
01-Feb-24	35,000.00	875.00	274.36	600.64	0.00	26.25	26.25	25,397.71
01-Aug-24	35,000.00	35,875.00	274.36	10,882.32	24,718.32	26.25	24,744.57	--
01-Feb-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24,744.57
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	--
01-Feb-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-35	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	--
		$801,786.72	$91,517.83	$229,659.23	$480,609.69	$8,756.23	$489,365.92	$489,365.92

Average Annual Net Debt Service:	$24,410.20

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 10
' owell
/-03-07
al Loan Structuring Analysis

AMENDED SCHEDULE C

Net Borrower Savings due to 2006 Refunding:	62,305.18
G.E.	2.00%

Schedule of Loan Repayments

Initial Loan Obligation:	2,170,954.00

	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayment		
Date	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
01-Feb-07	0.00	51,996.51	51,996.51	14,179.98	2,932.78	17,112.75	0.00	34,883.75	34,883.75
01-Aug-07	89,217.00	50,383.87	139,600.87	14,179.98	9,613.28	23,793.26	89,217.00	26,590.62	115,807.62
01-Feb-08	0.00	48,153.45	48,153.45	13,597.24	2,692.63	16,289.87	0.00	31,863.58	31,863.58
01-Aug-08	92,587.00	48,153.45	140,740.45	13,597.24	9,613.28	23,210.52	92,587.00	24,942.93	117,529.93
01-Feb-09	0.00	45,838.77	45,838.77	12,992.49	2,692.63	15,685.12	0.00	30,153.65	30,153.65
01-Aug-09	95,115.00	45,838.77	140,953.77	12,992.49	9,613.28	22,605.77	95,115.00	23,233.00	118,348.00
01-Feb-10	0.00	44,412.05	44,412.05	12,371.23	2,692.63	15,063.86	0.00	29,348.19	29,348.19
01-Aug-10	97,739.00	44,412.05	142,151.05	12,371.23	9,613.28	21,984.51	97,739.00	22,427.54	120,166.54
01-Feb-11	0.00	41,968.57	41,968.57	11,732.83	2,692.63	14,425.46	0.00	27,543.11	27,543.11
01-Aug-11	100,407.00	41,968.57	142,375.57	11,732.83	9,613.28	21,346.11	100,407.00	20,622.46	121,029.46
01-Feb-12	0.00	40,462.47	40,462.47	11,077.00	2,692.63	13,769.63	0.00	26,692.84	26,692.84
01-Aug-12	103,176.00	40,462.47	143,638.47	11,077.00	9,613.28	20,690.28	103,176.00	19,772.19	122,948.19
01-Feb-13	0.00	37,883.07	37,883.07	10,403.09	2,692.63	13,095.72	0.00	24,787.35	24,787.35
01-Aug-13	107,214.00	37,883.07	145,097.07	10,403.09	9,613.28	20,016.37	107,214.00	17,866.70	125,080.70
01-Feb-14	0.00	35,068.70	35,068.70	9,702.80	2,692.63	12,395.43	0.00	22,673.27	22,673.27
01-Aug-14	110,499.00	35,068.70	145,567.70	9,702.80	9,613.28	19,316.08	110,499.00	15,752.62	126,251.62
01-Feb-15	0.00	33,190.21	33,190.21	8,981.06	2,692.63	11,673.69	0.00	21,516.52	21,516.52
01-Aug-15	115,000.00	33,190.21	148,190.21	8,981.06	9,613.28	18,594.34	115,000.00	14,595.87	129,595.87
01-Feb-16	0.00	30,171.46	30,171.46	8,229.92	2,692.63	10,922.55	0.00	19,248.92	19,248.92
01-Aug-16	120,000.00	28,064.89	148,064.89	8,229.92	9,275.28	17,505.20	120,000.00	10,559.70	130,559.70
01-Feb-17	0.00	27,192.62	27,192.62	7,446.12	2,720.09	10,166.21	0.00	17,026.41	17,026.41
01-Aug-17	125,000.00	24,841.82	149,841.82	7,446.12	9,263.56	16,709.67	125,000.00	8,132.15	133,132.15
01-Feb-18	0.00	24,000.09	24,000.09	6,629.66	2,734.33	9,363.98	0.00	14,636.10	14,636.10
01-Aug-18	130,000.00	21,647.26	151,647.26	6,629.66	9,277.46	15,907.12	130,000.00	5,740.14	135,740.14
01-Feb-19	0.00	20,749.44	20,749.44	5,780.54	2,734.22	8,514.76	0.00	12,234.68	12,234.68
01-Aug-19	135,000.00	18,477.24	153,477.24	5,780.54	9,290.30	15,070.83	135,000.00	3,406.40	138,406.40
01-Feb-20	0.00	17,390.14	17,390.14	4,898.76	2,736.74	7,635.50	0.00	9,754.64	9,754.64
01-Aug-20	140,000.00	15,242.12	155,242.12	4,898.76	9,312.74	14,211.50	140,000.00	1,030.62	141,030.62
01-Feb-21	0.00	13,931.70	13,931.70	3,984.32	2,743.41	6,727.73	0.00	7,203.97	7,203.97
01-Aug-21	145,000.00	11,860.63	156,860.63	3,984.32	9,331.76	13,316.08	143,544.55	0.00	143,544.55
01-Feb-22	0.00	10,395.72	10,395.72	3,037.23	2,757.69	5,794.92	0.00	4,600.79	4,600.79
01-Aug-22	150,000.00	7,467.36	157,467.36	3,037.23	9,208.49	12,245.72	145,221.65	0.00	145,221.65
01-Feb-23	0.00	7,218.39	7,218.39	2,057.48	2,849.58	4,907.06	0.00	2,311.34	2,311.34
01-Aug-23	155,000.00	2,959.74	157,959.74	2,057.48	9,242.71	11,300.18	146,659.55	0.00	146,659.55
01-Feb-24	0.00	3,814.45	3,814.45	1,045.07	2,769.38	3,814.45	0.00	0.00	0.00
01-Aug-24	160,000.00	0.00	160,000.00	1,045.07	10,007.25	11,052.32	148,947.68	0.00	148,947.68
01-Feb-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	$2,170,954.00	$1,041,760.09	$3,212,714.09	$296,293.64	$219,940.91	$516,234.55	$2,145,327.43	$551,152.11	$2,696,479.54

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

Lowell
DW-03-07

inal 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	$2,343,263.00	$20,547.17	5,782.06	$2,954.93	$11,810.18	$663.92	$12,474.10	$12,474.10
01-Aug-05	2,343,263.00	139,882.57	15,305.44	9,875.58	114,701.55	1,757.45	116,459.00	--
01-Feb-06	2,257,770.00	53,320.90	14,747.03	2,954.93	35,618.94	1,693.33	37,312.27	153,771.27
01-Aug-06	2,257,770.00	140,136.90	14,747.03	9,875.58	115,514.29	1,693.33	117,207.62	--
01-Feb-07	2,170,954.00	52,018.66	14,179.98	2,954.93	34,883.75	1,628.22	36,511.97	153,719.59
01-Aug-07	2,170,954.00	141,235.66	14,179.98	9,875.58	117,180.10	1,628.22	118,808.32	--
01-Feb-08	2,081,737.00	49,788.24	13,597.24	2,954.93	33,236.07	1,561.30	34,797.37	153,605.69
01-Aug-08	2,081,737.00	142,375.24	13,597.24	9,875.58	118,902.42	1,561.30	120,463.72	--
01-Feb-09	1,989,150.00	47,473.56	12,992.49	2,954.93	31,526.14	1,491.86	33,018.00	153,481.72
01-Aug-09	1,989,150.00	142,588.56	12,992.49	9,875.58	119,720.49	1,491.86	121,212.35	--
01-Feb-10	1,894,035.00	46,046.84	12,371.23	2,954.93	30,720.68	1,420.53	32,141.21	153,353.56
01-Aug-10	1,894,035.00	143,785.84	12,371.23	9,875.58	121,539.03	1,420.53	122,959.56	--
01-Feb-11	1,796,296.00	43,603.36	11,732.83	2,954.93	28,915.60	1,347.22	30,262.82	153,222.38
01-Aug-11	1,796,296.00	144,010.36	11,732.83	9,875.58	122,401.95	1,347.22	123,749.17	--
01-Feb-12	1,695,889.00	42,097.26	11,077.00	2,954.93	28,065.33	1,271.92	29,337.25	153,086.42
01-Aug-12	1,695,889.00	145,273.26	11,077.00	9,875.58	124,320.68	1,271.92	125,592.60	--
01-Feb-13	1,592,713.00	39,517.86	10,403.09	2,954.93	26,159.84	1,194.53	27,354.37	152,946.97
01-Aug-13	1,592,713.00	146,731.86	10,403.09	9,875.58	126,453.19	1,194.53	127,647.72	--
01-Feb-14	1,485,499.00	36,703.49	9,702.80	2,954.93	24,045.76	1,114.12	25,159.88	152,807.60
01-Aug-14	1,485,499.00	147,202.49	9,702.80	9,875.58	127,624.11	1,114.12	128,738.23	--
01-Feb-15	1,375,000.00	34,825.00	8,981.06	2,954.93	22,889.01	1,031.25	23,920.26	152,658.49
01-Aug-15	1,375,000.00	149,825.00	8,981.06	9,875.58	130,968.36	1,031.25	131,999.61	--
01-Feb-16	1,260,000.00	31,806.25	8,229.92	2,954.93	20,621.40	945.00	21,566.40	153,566.01
01-Aug-16	1,260,000.00	151,806.25	8,229.92	9,875.58	133,700.75	945.00	134,645.75	--
01-Feb-17	1,140,000.00	28,656.25	7,446.12	2,954.93	18,255.20	855.00	19,110.20	153,755.95
01-Aug-17	1,140,000.00	153,656.25	7,446.12	9,875.58	136,334.55	855.00	137,189.55	--
01-Feb-18	1,015,000.00	25,375.00	6,629.66	2,954.93	15,790.41	761.25	16,551.66	153,741.21
01-Aug-18	1,015,000.00	155,375.00	6,629.66	9,875.58	138,869.76	761.25	139,631.01	--
01-Feb-19	885,000.00	22,125.00	5,780.54	2,954.93	13,389.53	663.75	14,053.28	153,684.29
01-Aug-19	885,000.00	157,125.00	5,780.54	9,875.58	141,468.88	663.75	142,132.63	--
01-Feb-20	750,000.00	18,750.00	4,898.76	2,954.93	10,896.31	562.50	11,458.81	153,591.44
01-Aug-20	750,000.00	158,750.00	4,898.76	9,875.58	143,975.66	562.50	144,538.16	--
01-Feb-21	610,000.00	15,250.00	3,984.32	2,954.93	8,310.75	457.50	8,768.25	153,306.41
01-Aug-21	610,000.00	160,250.00	3,984.32	9,875.58	146,390.10	457.50	146,847.60	--
01-Feb-22	465,000.00	11,625.00	3,037.23	2,954.93	5,632.84	348.75	5,981.59	152,829.19
01-Aug-22	465,000.00	161,625.00	3,037.23	9,875.58	148,712.19	348.75	149,060.94	--
01-Feb-23	315,000.00	7,875.00	2,057.48	2,954.93	2,862.59	236.25	3,098.84	152,159.78
01-Aug-23	315,000.00	162,875.00	2,057.48	9,875.58	150,941.94	236.25	151,178.19	--
01-Feb-24	160,000.00	4,000.00	1,045.07	2,954.93	0.00	120.00	120.00	151,298.19
01-Aug-24	160,000.00	164,000.00	1,045.07	9,875.58	153,079.35	120.00	153,199.35	--
01-Feb-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	153,199.35
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	--
01-Feb-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-35	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	--
		$3,639,915.08	$346,875.20	$256,610.20	$3,036,429.68	$39,829.93	$3,076,259.61	$3,076,259.61

Average Annual Net Debt Service:	$154,220.47

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 11

SCHEDULE C

Lowell	
DW-03-07A	
	Loan Interest Rate 2.00%

Final Structuring Analysis

Schedule of Loan Repayments

Initial Loan Obligation: $4,719,058.00

	Schedule of Loan Repayments			Admin. Fee	Loan	Total
Date	Principal	Interest	Total	0.07500%	Origination Fee	Due
16-Nov-05						
15-Jul-06	$175,162.00	$66,853.32	$242,015.32	$3,539.29	28,786.25	$274,340.86
15-Jan-07	0.00	45,438.96	45,438.96	3,407.92		48,846.88
15-Jul-07	198,562.00	45,438.96	244,000.96	3,407.92		247,408.88
15-Jan-08	0.00	43,453.34	43,453.34	3,259.00		46,712.34
15-Jul-08	202,574.00	43,453.34	246,027.34	3,259.00		249,286.34
15-Jan-09	0.00	41,427.60	41,427.60	3,107.07		44,534.67
15-Jul-09	206,666.00	41,427.60	248,093.60	3,107.07		251,200.67
15-Jan-10	0.00	39,360.94	39,360.94	2,952.07		42,313.01
15-Jul-10	210,841.00	39,360.94	250,201.94	2,952.07		253,154.01
15-Jan-11	0.00	37,252.53	37,252.53	2,793.94		40,046.47
15-Jul-11	215,100.00	37,252.53	252,352.53	2,793.94		255,146.47
15-Jan-12	0.00	35,101.53	35,101.53	2,632.61		37,734.14
15-Jul-12	219,446.00	35,101.53	254,547.53	2,632.61		257,180.14
15-Jan-13	0.00	32,907.07	32,907.07	2,468.03		35,375.10
15-Jul-13	223,879.00	32,907.07	256,786.07	2,468.03		259,254.10
15-Jan-14	0.00	30,668.28	30,668.28	2,300.12		32,968.40
15-Jul-14	228,402.00	30,668.28	259,070.28	2,300.12		261,370.40
15-Jan-15	0.00	28,384.26	28,384.26	2,128.82		30,513.08
15-Jul-15	233,016.00	28,384.26	261,400.26	2,128.82		263,529.08
15-Jan-16	0.00	26,054.10	26,054.10	1,954.06		28,008.16
15-Jul-16	237,723.00	26,054.10	263,777.10	1,954.06		265,731.16
15-Jan-17	0.00	23,676.87	23,676.87	1,775.77		25,452.64
15-Jul-17	242,526.00	23,676.87	266,202.87	1,775.77		267,978.64
15-Jan-18	0.00	21,251.61	21,251.61	1,593.87		22,845.48
15-Jul-18	247,425.00	21,251.61	268,676.61	1,593.87		270,270.48
15-Jan-19	0.00	18,777.36	18,777.36	1,408.30		20,185.66
15-Jul-19	252,424.00	18,777.36	271,201.36	1,408.30		272,609.66
15-Jan-20	0.00	16,253.12	16,253.12	1,218.98		17,472.10
15-Jul-20	257,523.00	16,253.12	273,776.12	1,218.98		274,995.10
15-Jan-21	0.00	13,677.89	13,677.89	1,025.84		14,703.73
15-Jul-21	262,726.00	13,677.89	276,403.89	1,025.84		277,429.73
15-Jan-22	0.00	11,050.63	11,050.63	828.80		11,879.43
15-Jul-22	268,034.00	11,050.63	279,084.63	828.80		279,913.43
15-Jan-23	0.00	8,370.29	8,370.29	627.77		8,998.06
15-Jul-23	273,448.00	8,370.29	281,818.29	627.77		282,446.06
15-Jan-24	0.00	5,635.81	5,635.81	422.69		6,058.50
15-Jul-24	278,973.00	5,635.81	284,608.81	422.69		285,031.50
15-Jan-25	0.00	2,846.08	2,846.08	213.46		3,059.54
15-Jul-25	284,608.00	2,846.08	287,454.08	213.46		287,667.54
15-Jan-26	0.00	0.00	0.00	0.00		0.00
15-Jul-26	0.00	0.00	0.00	0.00		0.00
15-Jan-27	0.00	0.00	0.00	0.00		0.00
15-Jul-27	0.00	0.00	0.00	0.00		0.00
15-Jan-28	0.00	0.00	0.00	0.00		0.00
15-Jul-28	0.00	0.00	0.00	0.00		0.00
15-Jan-29	0.00	0.00	0.00	0.00		0.00
15-Jul-29	0.00	0.00	0.00	0.00		0.00
15-Jan-30	0.00	0.00	0.00	0.00		0.00
15-Jul-30	0.00	0.00	0.00	0.00		0.00
15-Jan-31	0.00	0.00	0.00	0.00		0.00
15-Jul-31	0.00	0.00	0.00	0.00		0.00
15-Jan-32	0.00	0.00	0.00	0.00		0.00
15-Jul-32	0.00	0.00	0.00	0.00		0.00
15-Jan-33	0.00	0.00	0.00	0.00		0.00
15-Jul-33	0.00	0.00	0.00	0.00		0.00
15-Jan-34	0.00	0.00	0.00	0.00		0.00
15-Jul-34	0.00	0.00	0.00	0.00		0.00
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
	$4,719,058.00	$1,030,029.86	$5,749,087.86	$75,777.53	$28,786.25	$5,853,651.64

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 12

Revised SCHEDULE C

Lowell
CW-03-22A

Final Loan Structuring Analysis

Revised Schedule of Loan Repayments

Outstanding Loan Obligation:	$80,682.48

	Schedule of Loan Repayments			*Admin. Fee*	*Total*
	Principal	Interest	Total	*0.07500%*	*Due*
09-Dec-08					
15-Jan-09	-	922.84	922.84	69.21	992.05
15-Jul-09	3,760.97	806.82	4,567.79	60.51	4,628.30
15-Jan-10	-	769.22	769.22	57.69	826.91
15-Jul-10	3,837.26	769.22	4,606.48	57.69	4,664.17
15-Jan-11	-	730.84	730.84	54.81	785.65
15-Jul-11	3,915.24	730.84	4,646.08	54.81	4,700.89
15-Jan-12	-	691.69	691.69	51.88	743.57
15-Jul-12	3,994.07	691.69	4,685.76	51.88	4,737.64
15-Jan-13	-	651.75	651.75	48.88	700.63
15-Jul-13	4,074.60	651.75	4,726.35	48.88	4,775.23
15-Jan-14	-	611.00	611.00	45.83	656.83
15-Jul-14	4,156.82	611.00	4,767.82	45.83	4,813.65
15-Jan-15	-	569.44	569.44	42.71	612.15
15-Jul-15	4,240.74	569.44	4,810.18	42.71	4,852.89
15-Jan-16	-	527.03	527.03	39.53	566.56
15-Jul-16	4,326.35	527.03	4,853.38	39.53	4,892.91
15-Jan-17	-	483.76	483.76	36.28	520.04
15-Jul-17	4,413.65	483.76	4,897.41	36.28	4,933.69
15-Jan-18	-	439.63	439.63	32.97	472.60
15-Jul-18	4,503.50	439.63	4,943.13	32.97	4,976.10
15-Jan-19	-	394.59	394.59	29.59	424.18
15-Jul-19	4,594.20	394.59	4,988.79	29.59	5,018.38
15-Jan-20	-	348.65	348.65	26.15	374.80
15-Jul-20	4,686.59	348.65	5,035.24	26.15	5,061.39
15-Jan-21	-	301.78	301.78	22.63	324.41
15-Jul-21	4,781.53	301.78	5,083.31	22.63	5,105.94
15-Jan-22	-	253.97	253.97	19.05	273.02
15-Jul-22	4,878.16	253.97	5,132.13	19.05	5,151.18
15-Jan-23	-	205.19	205.19	15.39	220.58
15-Jul-23	4,976.49	205.19	5,181.68	15.39	5,197.07
15-Jan-24	-	155.42	155.42	11.66	167.08
15-Jul-24	5,077.36	155.42	5,232.78	11.66	5,244.44
15-Jan-25	-	104.65	104.65	7.85	112.50
15-Jul-25	5,179.92	104.65	5,284.57	7.85	5,292.42
15-Jan-26	-	52.85	52.85	3.96	56.81
15-Jul-26	5,285.03	52.85	5,337.88	3.96	5,341.84
15-Jan-27	-	-	-	-	-
15-Jul-27	-	-	-	-	-
15-Jan-28	-	-	-	-	-
15-Jul-28	-	-	-	-	-
15-Jan-29	-	-	-	-	-
15-Jul-29	-	-	-	-	-
15-Jan-30	-	-	-	-	-
15-Jul-30	-	-	-	-	-
15-Jan-31	-	-	-	-	-
15-Jul-31	-	-	-	-	-
15-Jan-32	-	-	-	-	-
15-Jul-32	-	-	-	-	-
15-Jan-33	-	-	-	-	-
15-Jul-33	-	-	-	-	-
15-Jan-34	-	-	-	-	-
15-Jul-34	-	-	-	-	-
15-Jan-35	-	-	-	-	-
15-Jul-35	-	-	-	-	-
15-Jan-36	-	-	-	-	-
15-Jul-36	-	-	-	-	-
15-Jan-37	-	-	-	-	-
	$80,682.48	$16,312.58	$96,995.06	$1,223.44	$98,218.50

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 12

SCHEDULE C

Lowell
CW-03-22A
Final Structuring Analysis

Loan Interest Rate 2.00%

Schedule of Loan Repayments

Initial Loan Obligation: $103,622.00

Date	Schedule of Loan Repayments Principal	Interest	Total	Admin. Fee 0.0750%	Loan Origination Fee	Total Due
14-Dec-06						
15-Jul-07	$4,087.00	$1,214.68	$5,301.68	$77.72	581.05	$5,960.45
15-Jan-08	0.00	995.35	995.35	74.65		1,070.00
15-Jul-08	4,350.00	995.35	5,345.35	74.65		5,420.00
15-Jan-09	0.00	951.85	951.85	71.39		1,023.24
15-Jul-09	4,437.00	951.85	5,388.85	71.39		5,460.24
15-Jan-10	0.00	907.48	907.48	68.06		975.54
15-Jul-10	4,527.00	907.48	5,434.48	68.06		5,502.54
15-Jan-11	0.00	862.21	862.21	64.67		926.88
15-Jul-11	4,619.00	862.21	5,481.21	64.67		5,545.88
15-Jan-12	0.00	816.02	816.02	61.20		877.22
15-Jul-12	4,712.00	816.02	5,528.02	61.20		5,589.22
15-Jan-13	0.00	768.90	768.90	57.67		826.57
15-Jul-13	4,807.00	768.90	5,575.90	57.67		5,633.57
15-Jan-14	0.00	720.83	720.83	54.06		774.89
15-Jul-14	4,904.00	720.83	5,624.83	54.06		5,678.89
15-Jan-15	0.00	671.79	671.79	50.38		722.17
15-Jul-15	5,003.00	671.79	5,674.79	50.38		5,725.17
15-Jan-16	0.00	621.76	621.76	46.63		668.39
15-Jul-16	5,104.00	621.76	5,725.76	46.63		5,772.39
15-Jan-17	0.00	570.72	570.72	42.80		613.52
15-Jul-17	5,207.00	570.72	5,777.72	42.80		5,820.52
15-Jan-18	0.00	518.65	518.65	38.90		557.55
15-Jul-18	5,313.00	518.65	5,831.65	38.90		5,870.55
15-Jan-19	0.00	465.52	465.52	34.91		500.43
15-Jul-19	5,420.00	465.52	5,885.52	34.91		5,920.43
15-Jan-20	0.00	411.32	411.32	30.85		442.17
15-Jul-20	5,529.00	411.32	5,940.32	30.85		5,971.17
15-Jan-21	0.00	356.03	356.03	26.70		382.73
15-Jul-21	5,641.00	356.03	5,997.03	26.70		6,023.73
15-Jan-22	0.00	299.62	299.62	22.47		322.09
15-Jul-22	5,755.00	299.62	6,054.62	22.47		6,077.09
15-Jan-23	0.00	242.07	242.07	18.16		260.23
15-Jul-23	5,871.00	242.07	6,113.07	18.16		6,131.23
15-Jan-24	0.00	183.36	183.36	13.75		197.11
15-Jul-24	5,990.00	183.36	6,173.36	13.75		6,187.11
15-Jan-25	0.00	123.46	123.46	9.26		132.72
15-Jul-25	6,111.00	123.46	6,234.46	9.26		6,243.72
15-Jan-26	0.00	62.35	62.35	4.68		67.03
15-Jul-26	6,235.00	62.35	6,297.35	4.68		6,302.03
15-Jan-27	0.00	0.00	0.00	0.00		0.00
15-Jul-27	0.00	0.00	0.00	0.00		0.00
15-Jan-28	0.00	0.00	0.00	0.00		0.00
15-Jul-28	0.00	0.00	0.00	0.00		0.00
15-Jan-29	0.00	0.00	0.00	0.00		0.00
15-Jul-29	0.00	0.00	0.00	0.00		0.00
15-Jan-30	0.00	0.00	0.00	0.00		0.00
15-Jul-30	0.00	0.00	0.00	0.00		0.00
15-Jan-31	0.00	0.00	0.00	0.00		0.00
15-Jul-31	0.00	0.00	0.00	0.00		0.00
15-Jan-32	0.00	0.00	0.00	0.00		0.00
15-Jul-32	0.00	0.00	0.00	0.00		0.00
15-Jan-33	0.00	0.00	0.00	0.00		0.00
15-Jul-33	0.00	0.00	0.00	0.00		0.00
15-Jan-34	0.00	0.00	0.00	0.00		0.00
15-Jul-34	0.00	0.00	0.00	0.00		0.00
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
	$103,622.00	$22,313.26	$125,935.26	$1,660.10	$581.05	$128,176.41

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 12

SCHEDULE C

Lowell
DW-03-07B

Loan Interest Rate 2.00%

Final Structuring Analysis

Schedule of Loan Repayments

Initial Loan Obligation: $2,479,728.00

Date	Schedule of Loan Repayments Principal	Interest	Total	Admin. Fee 0.0750%	Loan Origination Fee	Total Due
14-Dec-06						
15-Jul-07	$97,798.00	$29,067.92	$126,865.92	$1,859.80	13,904.79	$142,630.51
15-Jan-08	0.00	23,819.30	23,819.30	1,786.45		25,605.75
15-Jul-08	104,087.00	23,819.30	127,906.30	1,786.45		129,692.75
15-Jan-09	0.00	22,778.43	22,778.43	1,708.38		24,486.81
15-Jul-09	106,190.00	22,778.43	128,968.43	1,708.38		130,676.81
15-Jan-10	0.00	21,716.53	21,716.53	1,628.74		23,345.27
15-Jul-10	108,335.00	21,716.53	130,051.53	1,628.74		131,680.27
15-Jan-11	0.00	20,633.18	20,633.18	1,547.49		22,180.67
15-Jul-11	110,524.00	20,633.18	131,157.18	1,547.49		132,704.67
15-Jan-12	0.00	19,527.94	19,527.94	1,464.60		20,992.54
15-Jul-12	112,757.00	19,527.94	132,284.94	1,464.60		133,749.54
15-Jan-13	0.00	18,400.37	18,400.37	1,380.03		19,780.40
15-Jul-13	115,034.00	18,400.37	133,434.37	1,380.03		134,814.40
15-Jan-14	0.00	17,250.03	17,250.03	1,293.75		18,543.78
15-Jul-14	117,358.00	17,250.03	134,608.03	1,293.75		135,901.78
15-Jan-15	0.00	16,076.45	16,076.45	1,205.73		17,282.18
15-Jul-15	119,729.00	16,076.45	135,805.45	1,205.73		137,011.18
15-Jan-16	0.00	14,879.16	14,879.16	1,115.94		15,995.10
15-Jul-16	122,148.00	14,879.16	137,027.16	1,115.94		138,143.10
15-Jan-17	0.00	13,657.68	13,657.68	1,024.33		14,682.01
15-Jul-17	124,616.00	13,657.68	138,273.68	1,024.33		139,298.01
15-Jan-18	0.00	12,411.52	12,411.52	930.86		13,342.38
15-Jul-18	127,133.00	12,411.52	139,544.52	930.86		140,475.38
15-Jan-19	0.00	11,140.19	11,140.19	835.51		11,975.70
15-Jul-19	129,701.00	11,140.19	140,841.19	835.51		141,676.70
15-Jan-20	0.00	9,843.18	9,843.18	738.24		10,581.42
15-Jul-20	132,322.00	9,843.18	142,165.18	738.24		142,903.42
15-Jan-21	0.00	8,519.96	8,519.96	639.00		9,158.96
15-Jul-21	134,995.00	8,519.96	143,514.96	639.00		144,153.96
15-Jan-22	0.00	7,170.01	7,170.01	537.75		7,707.76
15-Jul-22	137,722.00	7,170.01	144,892.01	537.75		145,429.76
15-Jan-23	0.00	5,792.79	5,792.79	434.46		6,227.25
15-Jul-23	140,504.00	5,792.79	146,296.79	434.46		146,731.25
15-Jan-24	0.00	4,387.75	4,387.75	329.08		4,716.83
15-Jul-24	143,343.00	4,387.75	147,730.75	329.08		148,059.83
15-Jan-25	0.00	2,954.32	2,954.32	221.57		3,175.89
15-Jul-25	146,239.00	2,954.32	149,193.32	221.57		149,414.89
15-Jan-26	0.00	1,491.93	1,491.93	111.89		1,603.82
15-Jul-26	149,193.00	1,491.93	150,684.93	111.89		150,796.82
15-Jan-27	0.00	0.00	0.00	0.00		0.00
15-Jul-27	0.00	0.00	0.00	0.00		0.00
15-Jan-28	0.00	0.00	0.00	0.00		0.00
15-Jul-28	0.00	0.00	0.00	0.00		0.00
15-Jan-29	0.00	0.00	0.00	0.00		0.00
15-Jul-29	0.00	0.00	0.00	0.00		0.00
15-Jan-30	0.00	0.00	0.00	0.00		0.00
15-Jul-30	0.00	0.00	0.00	0.00		0.00
15-Jan-31	0.00	0.00	0.00	0.00		0.00
15-Jul-31	0.00	0.00	0.00	0.00		0.00
15-Jan-32	0.00	0.00	0.00	0.00		0.00
15-Jul-32	0.00	0.00	0.00	0.00		0.00
15-Jan-33	0.00	0.00	0.00	0.00		0.00
15-Jul-33	0.00	0.00	0.00	0.00		0.00
15-Jan-34	0.00	0.00	0.00	0.00		0.00
15-Jul-34	0.00	0.00	0.00	0.00		0.00
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
	$2,479,728.00	$533,969.36	$3,013,697.36	$39,727.40	$13,904.79	$3,067,329.55

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
Pool Program Bonds, Pool 12 - Bond Ahead
Preliminary Structuring Analysis

Schedule C

Loan Term (in Years)	30
Borrowed Amount	$6,063,109
Loan Rate	2.302%
Loan Origination Fee $	5.61
Closing Date	15-Feb-07

BORROWER NAME Lowell
LOAN NUMBER CW-05-23

Initial Loan Obligation: 6,063,109.00

Date	Schedule of Loan Repayments* Principal	Interest	Total	Administrative Fee (0.15%)	Loan Origination Fee (5.61 per $1,000)	Total Due	Annual Total Due
15-Jul-07	5,000.00	64,358.55	69,358.55	4,547.33	34,014.04	107,919.92	
15-Jan-08		69,728.83	69,728.83	4,543.58		74,272.41	139,087.38
15-Jul-08	5,000.00	69,728.83	74,728.83	4,543.58		79,272.42	
15-Jan-09		69,671.28	69,671.28	4,539.83		74,211.12	144,400.12
15-Jul-09	145,984.89	69,671.28	215,656.17	4,539.83		220,196.00	
15-Jan-10		67,991.00	67,991.00	4,430.34		72,421.34	283,647.17
15-Jul-10	159,617.47	67,991.00	227,608.47	4,430.34		232,038.81	
15-Jan-11		66,153.80	66,153.80	4,310.63		70,464.43	293,762.27
15-Jul-11	163,334.65	66,153.80	229,488.45	4,310.63		233,799.08	
15-Jan-12		64,273.82	64,273.82	4,188.13		68,461.95	293,762.27
15-Jul-12	167,138.39	64,273.82	231,412.21	4,188.13		235,600.34	
15-Jan-13		62,350.06	62,350.06	4,062.78		66,412.83	293,762.27
15-Jul-13	171,030.72	62,350.06	233,380.78	4,062.78		237,443.55	
15-Jan-14		60,381.49	60,381.49	3,934.50		64,316.00	293,762.27
15-Jul-14	175,013.69	60,381.49	235,395.18	3,934.50		239,329.69	
15-Jan-15		58,367.09	58,367.09	3,803.24		62,170.33	293,762.27
15-Jul-15	179,089.42	58,367.09	237,456.50	3,803.24		241,259.74	
15-Jan-16		56,305.77	56,305.77	3,668.92		59,974.69	293,762.27
15-Jul-16	183,260.06	56,305.77	239,565.83	3,668.92		243,234.75	
15-Jan-17		54,196.44	54,196.44	3,531.48		57,727.92	293,762.27
15-Jul-17	187,527.83	54,196.44	241,724.27	3,531.48		245,255.75	
15-Jan-18		52,038.00	52,038.00	3,390.83		55,428.83	293,762.27
15-Jul-18	191,894.98	52,038.00	243,932.98	3,390.83		247,323.82	
15-Jan-19		49,829.29	49,829.29	3,246.91		53,076.20	293,762.27
15-Jul-19	196,363.84	49,829.29	246,193.13	3,246.91		249,440.04	
15-Jan-20		47,569.14	47,569.14	3,099.64		50,668.78	293,762.27
15-Jul-20	200,936.77	47,569.14	248,505.91	3,099.64		251,605.55	
15-Jan-21		45,256.36	45,256.36	2,948.94		48,205.29	293,762.27
15-Jul-21	205,616.20	45,256.36	250,872.56	2,948.94		253,821.49	
15-Jan-22		42,889.71	42,889.71	2,794.73		45,684.44	293,762.27
15-Jul-22	210,404.60	42,889.71	253,294.31	2,794.73		256,089.04	
15-Jan-23		40,467.96	40,467.96	2,636.92		43,104.88	293,762.27
15-Jul-23	215,304.51	40,467.96	255,772.47	2,636.92		258,409.39	
15-Jan-24		37,989.80	37,989.80	2,475.44		40,465.25	293,762.27
15-Jul-24	220,318.53	37,989.80	258,308.33	2,475.44		260,783.78	
15-Jan-25		35,453.94	35,453.94	2,310.20		37,764.14	293,762.27
15-Jul-25	225,449.32	35,453.94	260,903.26	2,310.20		263,213.46	
15-Jan-26		32,859.01	32,859.01	2,141.12		35,000.13	293,762.27
15-Jul-26	230,699.59	32,859.01	263,558.61	2,141.12		265,699.72	
15-Jan-27		30,203.66	30,203.66	1,968.09		32,171.75	293,762.27
15-Jul-27	236,072.14	30,203.66	266,275.80	1,968.09		268,243.89	
15-Jan-28		27,486.47	27,486.47	1,791.04		29,277.51	293,762.27
15-Jul-28	241,569.79	27,486.47	269,056.27	1,791.04		270,847.30	
15-Jan-29		24,706.00	24,706.00	1,609.86		26,315.86	293,762.27
15-Jul-29	247,195.48	24,706.00	271,901.49	1,609.86		273,511.35	
15-Jan-30		21,860.78	21,860.78	1,424.46		23,285.25	293,762.27
15-Jul-30	252,952.18	21,860.78	274,812.97	1,424.46		276,237.43	
15-Jan-31		18,949.30	18,949.30	1,234.75		20,184.05	293,762.27
15-Jul-31	258,842.94	18,949.30	277,792.25	1,234.75		279,027.00	
15-Jan-32		15,970.02	15,970.02	1,040.62		17,010.64	293,762.27
15-Jul-32	264,870.89	15,970.02	280,840.91	1,040.62		281,881.53	
15-Jan-33		12,921.36	12,921.36	841.97		13,763.32	293,762.27
15-Jul-33	271,039.22	12,921.36	283,960.57	841.97		284,802.54	
15-Jan-34		9,801.70	9,801.70	638.69		10,440.38	293,762.27
15-Jul-34	277,351.19	9,801.70	287,152.89	638.69		287,791.57	
15-Jan-35		6,609.38	6,609.38	430.67		7,040.06	293,762.27
15-Jul-35	283,810.16	6,609.38	290,419.54	430.67		290,850.21	
15-Jan-36		3,342.73	3,342.73	217.81		3,560.54	293,762.27
15-Jul-36	290,419.54	3,342.73	293,762.27	217.81		293,980.08	
15-Jan-37			0.00	0.00		0.00	293,762.27
15-Jul-37	0.00			0.00		0.00	
	6,063,109.00	2,435,606.94	8,498,715.94	159,059.61	34,014.04	8,691,789.59	8,498,715.94

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 13

Revised SCHEDULE C

Lowell
CW-05-24

Final Loan Structuring Analysis

Revised Schedule of Loan Repayments

Outstanding Loan Obligation:	$189,191.04

	Schedule of Loan Repayments			*Admin. Fee*	*Total*
	Principal	Interest	Total	*0.07500%*	*Due*
15-Dec-09					
15-Jan-10	-	2,228.61	2,228.61	167.15	2,395.76
15-Jul-10	8,820.33	1,891.91	10,712.24	141.89	10,854.13
15-Jan-11	-	1,803.71	1,803.71	135.28	1,938.99
15-Jul-11	8,998.31	1,803.71	10,802.02	135.28	10,937.30
15-Jan-12	-	1,713.72	1,713.72	128.53	1,842.25
15-Jul-12	9,179.59	1,713.72	10,893.31	128.53	11,021.84
15-Jan-13	-	1,621.93	1,621.93	121.64	1,743.57
15-Jul-13	9,365.00	1,621.93	10,986.93	121.64	11,108.57
15-Jan-14	-	1,528.28	1,528.28	114.62	1,642.90
15-Jul-14	9,554.52	1,528.28	11,082.80	114.62	11,197.42
15-Jan-15	-	1,432.73	1,432.73	107.45	1,540.18
15-Jul-15	9,747.34	1,432.73	11,180.07	107.45	11,287.52
15-Jan-16	-	1,335.26	1,335.26	100.14	1,435.40
15-Jul-16	9,944.28	1,335.26	11,279.54	100.14	11,379.68
15-Jan-17	-	1,235.82	1,235.82	92.69	1,328.51
15-Jul-17	10,145.34	1,235.82	11,381.16	92.69	11,473.85
15-Jan-18	-	1,134.36	1,134.36	85.08	1,219.44
15-Jul-18	10,350.52	1,134.36	11,484.88	85.08	11,569.96
15-Jan-19	-	1,030.86	1,030.86	77.31	1,108.17
15-Jul-19	10,559.00	1,030.86	11,589.86	77.31	11,667.17
15-Jan-20	-	925.27	925.27	69.40	994.67
15-Jul-20	10,772.42	925.27	11,697.69	69.40	11,767.09
15-Jan-21	-	817.54	817.54	61.32	878.86
15-Jul-21	10,989.96	817.54	11,807.50	61.32	11,868.82
15-Jan-22	-	707.64	707.64	53.07	760.71
15-Jul-22	11,212.45	707.64	11,920.09	53.07	11,973.16
15-Jan-23	-	595.52	595.52	44.66	640.18
15-Jul-23	11,439.06	595.52	12,034.58	44.66	12,079.24
15-Jan-24	-	481.13	481.13	36.08	517.21
15-Jul-24	11,669.78	481.13	12,150.91	36.08	12,186.99
15-Jan-25	-	364.43	364.43	27.33	391.76
15-Jul-25	11,905.45	364.43	12,269.88	27.33	12,297.21
15-Jan-26	-	245.38	245.38	18.40	263.78
15-Jul-26	12,146.07	245.38	12,391.45	18.40	12,409.85
15-Jan-27	-	123.92	123.92	9.29	133.21
15-Jul-27	12,391.62	123.92	12,515.54	9.29	12,524.83
15-Jan-28	-	-	-	-	-
15-Jul-28	-	-	-	-	-
15-Jan-29	-	-	-	-	-
15-Jul-29	-	-	-	-	-
15-Jan-30	-	-	-	-	-
15-Jul-30	-	-	-	-	-
15-Jan-31	-	-	-	-	-
15-Jul-31	-	-	-	-	-
15-Jan-32	-	-	-	-	-
15-Jul-32	-	-	-	-	-
15-Jan-33	-	-	-	-	-
15-Jul-33	-	-	-	-	-
15-Jan-34	-	-	-	-	-
15-Jul-34	-	-	-	-	-
15-Jan-35	-	-	-	-	-
15-Jul-35	-	-	-	-	-
15-Jan-36	-	-	-	-	-
15-Jul-36	-	-	-	-	-
15-Jan-37	-	-	-	-	-
15-Jul-37	-	-	-	-	-
15-Jan-38	-	-	-	-	-
	$189,191.04	$38,315.52	$227,506.56	$2,873.62	$230,380.18

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 13
Lowell
CW-05-24
Final Structuring Analysis

SCHEDULE C

Loan Interest Rate	2.00%

Schedule of Loan Repayments

Initial Loan Obligation:	$250,000.00

	Schedule of Loan Repayments			Admin. Fee	Loan	Total
Date	Principal	Interest	Total	0.00075	Origination Fee	Due
18-Dec-07						
15-Jul-08	$9,913.00	$2,875.00	$12,788.00	$187.50	1,600.00	$14,575.50
15-Jan-09	0.00	2,400.87	2,400.87	180.07		2,580.94
15-Jul-09	10,492.00	2,400.87	12,892.87	180.07		13,072.94
15-Jan-10	0.00	2,295.95	2,295.95	172.20		2,468.15
15-Jul-10	10,704.00	2,295.95	12,999.95	172.20		13,172.15
15-Jan-11	0.00	2,188.91	2,188.91	164.17		2,353.08
15-Jul-11	10,920.00	2,188.91	13,108.91	164.17		13,273.08
15-Jan-12	0.00	2,079.71	2,079.71	155.98		2,235.69
15-Jul-12	11,140.00	2,079.71	13,219.71	155.98		13,375.69
15-Jan-13	0.00	1,968.31	1,968.31	147.62		2,115.93
15-Jul-13	11,365.00	1,968.31	13,333.31	147.62		13,480.93
15-Jan-14	0.00	1,854.66	1,854.66	139.10		1,993.76
15-Jul-14	11,595.00	1,854.66	13,449.66	139.10		13,588.76
15-Jan-15	0.00	1,738.71	1,738.71	130.40		1,869.11
15-Jul-15	11,829.00	1,738.71	13,567.71	130.40		13,698.11
15-Jan-16	0.00	1,620.42	1,620.42	121.53		1,741.95
15-Jul-16	12,068.00	1,620.42	13,688.42	121.53		13,809.95
15-Jan-17	0.00	1,499.74	1,499.74	112.48		1,612.22
15-Jul-17	12,312.00	1,499.74	13,811.74	112.48		13,924.22
15-Jan-18	0.00	1,376.62	1,376.62	103.25		1,479.87
15-Jul-18	12,561.00	1,376.62	13,937.62	103.25		14,040.87
15-Jan-19	0.00	1,251.01	1,251.01	93.83		1,344.84
15-Jul-19	12,814.00	1,251.01	14,065.01	93.83		14,158.84
15-Jan-20	0.00	1,122.87	1,122.87	84.22		1,207.09
15-Jul-20	13,073.00	1,122.87	14,195.87	84.22		14,280.09
15-Jan-21	0.00	992.14	992.14	74.41		1,066.55
15-Jul-21	13,337.00	992.14	14,329.14	74.41		14,403.55
15-Jan-22	0.00	858.77	858.77	64.41		923.18
15-Jul-22	13,607.00	858.77	14,465.77	64.41		14,530.18
15-Jan-23	0.00	722.70	722.70	54.20		776.90
15-Jul-23	13,882.00	722.70	14,604.70	54.20		14,658.90
15-Jan-24	0.00	583.88	583.88	43.79		627.67
15-Jul-24	14,162.00	583.88	14,745.88	43.79		14,789.67
15-Jan-25	0.00	442.26	442.26	33.17		475.43
15-Jul-25	14,448.00	442.26	14,890.26	33.17		14,923.43
15-Jan-26	0.00	297.78	297.78	22.33		320.11
15-Jul-26	14,740.00	297.78	15,037.78	22.33		15,060.11
15-Jan-27	0.00	150.38	150.38	11.28		161.66
15-Jul-27	15,038.00	150.38	15,188.38	11.28		15,199.66
15-Jan-28	0.00	0.00	0.00	0.00		0.00
15-Jul-28	0.00	0.00	0.00	0.00		0.00
15-Jan-29	0.00	0.00	0.00	0.00		0.00
15-Jul-29	0.00	0.00	0.00	0.00		0.00
15-Jan-30	0.00	0.00	0.00	0.00		0.00
15-Jul-30	0.00	0.00	0.00	0.00		0.00
15-Jan-31	0.00	0.00	0.00	0.00		0.00
15-Jul-31	0.00	0.00	0.00	0.00		0.00
15-Jan-32	0.00	0.00	0.00	0.00		0.00
15-Jul-32	0.00	0.00	0.00	0.00		0.00
15-Jan-33	0.00	0.00	0.00	0.00		0.00
15-Jul-33	0.00	0.00	0.00	0.00		0.00
15-Jan-34	0.00	0.00	0.00	0.00		0.00
15-Jul-34	0.00	0.00	0.00	0.00		0.00
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
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
	$250,000.00	$53,766.38	$303,766.38	$4,004.38	$1,600.00	$309,370.76

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 13
Lowell
DW-04-01
Final Structuring Analysis

SCHEDULE C

Loan Interest Rate 2.00%

Schedule of Loan Repayments

Initial Loan Obligation: $3,307,199.00

	Schedule of Loan Repayments			Admin. Fee	Loan	Total
Date	Principal	Interest	Total	0.00075	Origination Fee	Due
18-Dec-07						
15-Jul-08	$131,130.00	$38,032.79	$169,162.79	$2,480.40	21,166.07	$192,809.26
15-Jan-09	0.00	31,760.69	31,760.69	2,382.05		34,142.74
15-Jul-09	138,790.00	31,760.69	170,550.69	2,382.05		172,932.74
15-Jan-10	0.00	30,372.79	30,372.79	2,277.96		32,650.75
15-Jul-10	141,594.00	30,372.79	171,966.79	2,277.96		174,244.75
15-Jan-11	0.00	28,956.85	28,956.85	2,171.76		31,128.61
15-Jul-11	144,454.00	28,956.85	173,410.85	2,171.76		175,582.61
15-Jan-12	0.00	27,512.31	27,512.31	2,063.42		29,575.73
15-Jul-12	147,372.00	27,512.31	174,884.31	2,063.42		176,947.73
15-Jan-13	0.00	26,038.59	26,038.59	1,952.89		27,991.48
15-Jul-13	150,350.00	26,038.59	176,388.59	1,952.89		178,341.48
15-Jan-14	0.00	24,535.09	24,535.09	1,840.13		26,375.22
15-Jul-14	153,387.00	24,535.09	177,922.09	1,840.13		179,762.22
15-Jan-15	0.00	23,001.22	23,001.22	1,725.09		24,726.31
15-Jul-15	156,486.00	23,001.22	179,487.22	1,725.09		181,212.31
15-Jan-16	0.00	21,436.36	21,436.36	1,607.73		23,044.09
15-Jul-16	159,647.00	21,436.36	181,083.36	1,607.73		182,691.09
15-Jan-17	0.00	19,839.89	19,839.89	1,487.99		21,327.88
15-Jul-17	162,872.00	19,839.89	182,711.89	1,487.99		184,199.88
15-Jan-18	0.00	18,211.17	18,211.17	1,365.84		19,577.01
15-Jul-18	166,163.00	18,211.17	184,374.17	1,365.84		185,740.01
15-Jan-19	0.00	16,549.54	16,549.54	1,241.22		17,790.76
15-Jul-19	169,520.00	16,549.54	186,069.54	1,241.22		187,310.76
15-Jan-20	0.00	14,854.34	14,854.34	1,114.08		15,968.42
15-Jul-20	172,944.00	14,854.34	187,798.34	1,114.08		188,912.42
15-Jan-21	0.00	13,124.90	13,124.90	984.37		14,109.27
15-Jul-21	176,438.00	13,124.90	189,562.90	984.37		190,547.27
15-Jan-22	0.00	11,360.52	11,360.52	852.04		12,212.56
15-Jul-22	180,002.00	11,360.52	191,362.52	852.04		192,214.56
15-Jan-23	0.00	9,560.50	9,560.50	717.04		10,277.54
15-Jul-23	183,639.00	9,560.50	193,199.50	717.04		193,916.54
15-Jan-24	0.00	7,724.11	7,724.11	579.31		8,303.42
15-Jul-24	187,349.00	7,724.11	195,073.11	579.31		195,652.42
15-Jan-25	0.00	5,850.62	5,850.62	438.80		6,289.42
15-Jul-25	191,133.00	5,850.62	196,983.62	438.80		197,422.42
15-Jan-26	0.00	3,939.29	3,939.29	295.45		4,234.74
15-Jul-26	194,995.00	3,939.29	198,934.29	295.45		199,229.74
15-Jan-27	0.00	1,989.34	1,989.34	149.20		2,138.54
15-Jul-27	198,934.00	1,989.34	200,923.34	149.20		201,072.54
15-Jan-28	0.00	0.00	0.00	0.00		0.00
15-Jul-28	0.00	0.00	0.00	0.00		0.00
15-Jan-29	0.00	0.00	0.00	0.00		0.00
15-Jul-29	0.00	0.00	0.00	0.00		0.00
15-Jan-30	0.00	0.00	0.00	0.00		0.00
15-Jul-30	0.00	0.00	0.00	0.00		0.00
15-Jan-31	0.00	0.00	0.00	0.00		0.00
15-Jul-31	0.00	0.00	0.00	0.00		0.00
15-Jan-32	0.00	0.00	0.00	0.00		0.00
15-Jul-32	0.00	0.00	0.00	0.00		0.00
15-Jan-33	0.00	0.00	0.00	0.00		0.00
15-Jul-33	0.00	0.00	0.00	0.00		0.00
15-Jan-34	0.00	0.00	0.00	0.00		0.00
15-Jul-34	0.00	0.00	0.00	0.00		0.00
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
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
	$3,307,199.00	$711,269.03	$4,018,468.03	$52,973.14	$21,166.07	$4,092,607.24

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

SCHEDULE C

Lowell
DW-03-07

Financial Equivalent Interest Rate:	2.00%

nal Structuring Analysis

Schedule of Loan Repayments

Initial Loan Obligation:	$2,343,263.00

	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayments		
Date	Principal	Interest	Total	Equity Earnings	Contract Assistance Payments	Total	Principal	Interest	Total
23-Nov-04									
01-Feb-05	$0.00	$20,547.17	$20,547.17	$5,782.06	$2,954.93	$8,736.99	$0.00	$11,810.18	$11,810.18
01-Aug-05	85,493.00	54,389.57	139,882.57	15,305.44	9,875.58	25,181.02	85,493.00	29,208.55	114,701.55
01-Feb-06	0.00	53,320.90	53,320.90	14,747.03	2,954.93	17,701.96	0.00	35,618.94	35,618.94
01-Aug-06	86,816.00	53,320.90	140,136.90	14,747.03	9,875.58	24,622.61	86,816.00	28,698.29	115,514.29
01-Feb-07	0.00	52,018.66	52,018.66	14,179.98	2,954.93	17,134.91	0.00	34,883.75	34,883.75
01-Aug-07	89,217.00	52,018.66	141,235.66	14,179.98	9,875.58	24,055.56	89,217.00	27,963.10	117,180.10
01-Feb-08	0.00	49,788.24	49,788.24	13,597.24	2,954.93	16,552.17	0.00	33,236.07	33,236.07
01-Aug-08	92,587.00	49,788.24	142,375.24	13,597.24	9,875.58	23,472.82	92,587.00	26,315.42	118,902.42
01-Feb-09	0.00	47,473.56	47,473.56	12,992.49	2,954.93	15,947.42	0.00	31,526.14	31,526.14
01-Aug-09	95,115.00	47,473.56	142,588.56	12,992.49	9,875.58	22,868.07	95,115.00	24,605.49	119,720.49
01-Feb-10	0.00	46,046.84	46,046.84	12,371.23	2,954.93	15,326.16	0.00	30,720.68	30,720.68
01-Aug-10	97,739.00	46,046.84	143,785.84	12,371.23	9,875.58	22,246.81	97,739.00	23,800.03	121,539.03
01-Feb-11	0.00	43,603.36	43,603.36	11,732.83	2,954.93	14,687.76	0.00	28,915.60	28,915.60
01-Aug-11	100,407.00	43,603.36	144,010.36	11,732.83	9,875.58	21,608.41	100,407.00	21,994.95	122,401.95
01-Feb-12	0.00	42,097.26	42,097.26	11,077.00	2,954.93	14,031.93	0.00	28,065.33	28,065.33
01-Aug-12	103,176.00	42,097.26	145,273.26	11,077.00	9,875.58	20,952.58	103,176.00	21,144.68	124,320.68
01-Feb-13	0.00	39,517.86	39,517.86	10,403.09	2,954.93	13,358.02	0.00	26,159.84	26,159.84
01-Aug-13	107,214.00	39,517.86	146,731.86	10,403.09	9,875.58	20,278.67	107,214.00	19,239.19	126,453.19
01-Feb-14	0.00	36,703.49	36,703.49	9,702.80	2,954.93	12,657.73	0.00	24,045.76	24,045.76
01-Aug-14	110,499.00	36,703.49	147,202.49	9,702.80	9,875.58	19,578.38	110,499.00	17,125.11	127,624.11
01-Feb-15	0.00	34,825.00	34,825.00	8,981.06	2,954.93	11,935.99	0.00	22,889.01	22,889.01
01-Aug-15	115,000.00	34,825.00	149,825.00	8,981.06	9,875.58	18,856.64	115,000.00	15,968.36	130,968.36
01-Feb-16	0.00	31,806.25	31,806.25	8,229.92	2,954.93	11,184.85	0.00	20,621.40	20,621.40
01-Aug-16	120,000.00	31,806.25	151,806.25	8,229.92	9,875.58	18,105.50	120,000.00	13,700.75	133,700.75
01-Feb-17	0.00	28,656.25	28,656.25	7,446.12	2,954.93	10,401.05	0.00	18,255.20	18,255.20
01-Aug-17	125,000.00	28,656.25	153,656.25	7,446.12	9,875.58	17,321.70	125,000.00	11,334.55	136,334.55
01-Feb-18	0.00	25,375.00	25,375.00	6,629.66	2,954.93	9,584.59	0.00	15,790.41	15,790.41
01-Aug-18	130,000.00	25,375.00	155,375.00	6,629.66	9,875.58	16,505.24	130,000.00	8,869.76	138,869.76
01-Feb-19	0.00	22,125.00	22,125.00	5,780.54	2,954.93	8,735.47	0.00	13,389.53	13,389.53
01-Aug-19	135,000.00	22,125.00	157,125.00	5,780.54	9,875.58	15,656.12	135,000.00	6,468.88	141,468.88
01-Feb-20	0.00	18,750.00	18,750.00	4,898.76	2,954.93	7,853.69	0.00	10,896.31	10,896.31
01-Aug-20	140,000.00	18,750.00	158,750.00	4,898.76	9,875.58	14,774.34	140,000.00	3,975.66	143,975.66
01-Feb-21	0.00	15,250.00	15,250.00	3,984.32	2,954.93	6,939.25	0.00	8,310.75	8,310.75
01-Aug-21	145,000.00	15,250.00	160,250.00	3,984.32	9,875.58	13,859.90	145,000.00	1,390.10	146,390.10
01-Feb-22	0.00	11,625.00	11,625.00	3,037.23	2,954.93	5,992.16	0.00	5,632.84	5,632.84
01-Aug-22	150,000.00	11,625.00	161,625.00	3,037.23	9,875.58	12,912.81	148,712.19	0.00	148,712.19
01-Feb-23	0.00	7,875.00	7,875.00	2,057.48	2,954.93	5,012.41	0.00	2,862.59	2,862.59
01-Aug-23	155,000.00	7,875.00	162,875.00	2,057.48	9,875.58	11,933.06	150,941.94	0.00	150,941.94
01-Feb-24	0.00	4,000.00	4,000.00	1,045.07	2,954.93	4,000.00	0.00	0.00	0.00
01-Aug-24	160,000.00	4,000.00	164,000.00	1,045.07	9,875.58	10,920.65	153,079.35	0.00	153,079.35
01-Feb-25	0.00	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	0.00	0.00
01-Feb-26	0.00	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	0.00	0.00
01-Feb-27	0.00	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	0.00	0.00
01-Feb-28	0.00	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	0.00	0.00
01-Feb-29	0.00	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	0.00	0.00
01-Feb-30	0.00	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	0.00	0.00
01-Feb-31	0.00	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	0.00	0.00
01-Feb-32	0.00	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	0.00	0.00
01-Feb-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
	$2,343,263.00	$1,296,652.08	$3,639,915.08	$346,875.20	$256,610.20	$603,485.40	$2,330,996.48	$705,433.20	$3,036,429.68

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

SCHEDULE C

Lowell
DW-99-21
nal Structuring Analysis

Grant Equivalency: 50.00%

Schedule of Loan Repayments

Initial Loan Obligation: $517,019.00

	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayments		
Date	Principal	Interest	Total	Equity Earnings	Contract Assistance Payments	Total	Principal	Interest	Total
23-Nov-04									
01-Feb-05	$0.00	$4,524.81	$4,524.81	$1,531.06	$600.64	$2,131.70	$0.00	$2,393.11	$2,393.11
01-Aug-05	19,294.00	11,977.43	31,271.43	4,052.81	10,882.32	14,935.13	16,336.30	0.00	16,336.30
01-Feb-06	0.00	11,736.26	11,736.26	3,901.57	600.64	4,502.21	0.00	7,234.05	7,234.05
01-Aug-06	19,541.00	11,736.26	31,277.26	3,901.57	10,882.32	14,783.89	16,493.37	0.00	16,493.37
01-Feb-07	0.00	11,443.14	11,443.14	3,748.39	600.64	4,349.03	0.00	7,094.11	7,094.11
01-Aug-07	20,061.00	11,443.14	31,504.14	3,748.39	10,882.32	14,630.71	16,873.43	0.00	16,873.43
01-Feb-08	0.00	10,941.62	10,941.62	3,591.13	600.64	4,191.77	0.00	6,749.85	6,749.85
01-Aug-08	20,790.00	10,941.62	31,731.62	3,591.13	10,882.32	14,473.45	17,258.17	0.00	17,258.17
01-Feb-09	0.00	10,421.87	10,421.87	3,428.17	600.64	4,028.81	0.00	6,393.06	6,393.06
01-Aug-09	21,333.00	10,421.87	31,754.87	3,428.17	10,882.32	14,310.49	17,444.38	0.00	17,444.38
01-Feb-10	0.00	10,101.87	10,101.87	3,260.94	600.64	3,861.58	0.00	6,240.29	6,240.29
01-Aug-10	21,896.00	10,101.87	31,997.87	3,260.94	10,882.32	14,143.26	17,854.61	0.00	17,854.61
01-Feb-11	0.00	9,554.47	9,554.47	3,089.30	600.64	3,689.94	0.00	5,864.53	5,864.53
01-Aug-11	22,468.00	9,554.47	32,022.47	3,089.30	10,882.32	13,971.62	18,050.85	0.00	18,050.85
01-Feb-12	0.00	9,217.45	9,217.45	2,913.18	600.64	3,513.82	0.00	5,703.63	5,703.63
01-Aug-12	23,061.00	9,217.45	32,278.45	2,913.18	10,882.32	13,795.50	18,482.95	0.00	18,482.95
01-Feb-13	0.00	8,640.93	8,640.93	2,732.41	600.64	3,333.05	0.00	5,307.88	5,307.88
01-Aug-13	23,935.00	8,640.93	32,575.93	2,732.41	10,882.32	13,614.73	18,961.20	0.00	18,961.20
01-Feb-14	0.00	8,012.63	8,012.63	2,544.79	600.64	3,145.43	0.00	4,867.20	4,867.20
01-Aug-14	24,640.00	8,012.63	32,652.63	2,544.79	10,882.32	13,427.11	19,225.52	0.00	19,225.52
01-Feb-15	0.00	7,593.75	7,593.75	2,351.64	600.64	2,952.28	0.00	4,641.47	4,641.47
01-Aug-15	25,000.00	7,593.75	32,593.75	2,351.64	10,882.32	13,233.96	19,359.79	0.00	19,359.79
01-Feb-16	0.00	6,937.50	6,937.50	2,155.67	600.64	2,756.31	0.00	4,181.19	4,181.19
01-Aug-16	25,000.00	6,937.50	31,937.50	2,155.67	10,882.32	13,037.99	18,899.51	0.00	18,899.51
01-Feb-17	0.00	6,281.25	6,281.25	1,959.70	600.64	2,560.34	0.00	3,720.91	3,720.91
01-Aug-17	25,000.00	6,281.25	31,281.25	1,959.70	10,882.32	12,842.02	18,439.23	0.00	18,439.23
01-Feb-18	0.00	5,625.00	5,625.00	1,763.73	600.64	2,364.37	0.00	3,260.63	3,260.63
01-Aug-18	30,000.00	5,625.00	35,625.00	1,763.73	10,882.32	12,646.05	22,978.95	0.00	22,978.95
01-Feb-19	0.00	4,875.00	4,875.00	1,528.57	600.64	2,129.21	0.00	2,745.79	2,745.79
01-Aug-19	30,000.00	4,875.00	34,875.00	1,528.57	10,882.32	12,410.89	22,464.11	0.00	22,464.11
01-Feb-20	0.00	4,125.00	4,125.00	1,293.40	600.64	1,894.04	0.00	2,230.96	2,230.96
01-Aug-20	30,000.00	4,125.00	34,125.00	1,293.40	10,882.32	12,175.72	21,949.28	0.00	21,949.28
01-Feb-21	0.00	3,375.00	3,375.00	1,058.24	600.64	1,658.88	0.00	1,716.12	1,716.12
01-Aug-21	30,000.00	3,375.00	33,375.00	1,058.24	10,882.32	11,940.56	21,434.44	0.00	21,434.44
01-Feb-22	0.00	2,625.00	2,625.00	823.07	600.64	1,423.71	0.00	1,201.29	1,201.29
01-Aug-22	35,000.00	2,625.00	37,625.00	823.07	10,882.32	11,705.39	25,919.61	0.00	25,919.61
01-Feb-23	0.00	1,750.00	1,750.00	548.72	600.64	1,149.36	0.00	600.64	600.64
01-Aug-23	35,000.00	1,750.00	36,750.00	548.72	10,882.32	11,431.04	25,318.96	0.00	25,318.96
01-Feb-24	0.00	875.00	875.00	274.36	600.64	875.00	0.00	0.00	0.00
01-Aug-24	35,000.00	875.00	35,875.00	274.36	10,882.32	11,156.68	24,718.32	0.00	24,718.32
01-Feb-25	0.00	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	0.00	0.00
01-Feb-26	0.00	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	0.00	0.00
01-Feb-27	0.00	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	0.00	0.00
01-Feb-28	0.00	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	0.00	0.00
01-Feb-29	0.00	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	0.00	0.00
01-Feb-30	0.00	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	0.00	0.00
01-Feb-31	0.00	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	0.00	0.00
01-Feb-32	0.00	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	0.00	0.00
01-Feb-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
	$517,019.00	$284,767.72	$801,786.72	$91,517.83	$229,659.23	$321,177.06	$398,462.95	$82,146.71	$480,609.66

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

Lowell
CW-03-22

Final 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	$4,985,652.00	$44,569.95	12,302.21	$6,279.23	$25,988.51	$1,412.60	$27,401.11	$27,401.11
01-Aug-05	4,985,652.00	299,756.26	32,564.68	21,139.01	246,052.57	3,739.24	249,791.81	--
01-Feb-06	4,803,875.00	115,707.05	31,377.37	6,279.23	78,050.45	3,602.91	81,653.36	331,445.17
01-Aug-06	4,803,875.00	300,281.05	31,377.37	21,139.01	247,764.67	3,602.91	251,367.58	--
01-Feb-07	4,619,301.00	112,938.44	30,171.80	6,279.23	76,487.41	3,464.48	79,951.89	331,319.47
01-Aug-07	4,619,301.00	302,576.44	30,171.80	21,139.01	251,265.63	3,464.48	254,730.11	--
01-Feb-08	4,429,663.00	108,197.49	28,933.14	6,279.23	72,985.12	3,322.25	76,307.37	331,037.48
01-Aug-08	4,429,663.00	302,989.49	28,933.14	21,139.01	252,917.34	3,322.25	256,239.59	--
01-Feb-09	4,234,871.00	105,275.61	27,660.82	6,279.23	71,335.56	3,176.15	74,511.71	330,751.30
01-Aug-09	4,234,871.00	305,414.61	27,660.82	21,139.01	256,614.78	3,176.15	259,790.93	--
01-Feb-10	4,034,732.00	100,272.13	26,353.58	6,279.23	67,639.32	3,026.05	70,665.37	330,456.30
01-Aug-10	4,034,732.00	307,944.13	26,353.58	21,139.01	260,451.54	3,026.05	263,477.59	--
01-Feb-11	3,827,060.00	95,080.33	24,997.13	6,279.23	63,803.97	2,870.30	66,674.27	330,151.86
01-Aug-11	3,827,060.00	308,394.33	24,997.13	21,139.01	262,258.19	2,870.30	265,128.49	--
01-Feb-12	3,613,746.00	91,880.62	23,603.83	6,279.23	61,997.56	2,710.31	64,707.87	329,836.36
01-Aug-12	3,613,746.00	311,049.62	23,603.83	21,139.01	266,306.78	2,710.31	269,017.09	--
01-Feb-13	3,394,577.00	86,401.40	22,172.29	6,279.23	57,949.88	2,545.93	60,495.81	329,512.90
01-Aug-13	3,394,577.00	314,109.40	22,172.29	21,139.01	270,798.10	2,545.93	273,344.03	--
01-Feb-14	3,166,869.00	80,424.06	20,684.98	6,279.23	53,459.85	2,375.15	55,835.00	329,179.03
01-Aug-14	3,166,869.00	317,293.06	20,684.98	21,139.01	275,469.07	2,375.15	277,844.22	--
01-Feb-15	2,930,000.00	74,206.25	19,137.82	6,279.23	48,789.20	2,197.50	50,986.70	328,830.92
01-Aug-15	2,930,000.00	319,206.25	19,137.82	21,139.01	278,929.42	2,197.50	281,126.92	--
01-Feb-16	2,685,000.00	67,775.00	17,537.56	6,279.23	43,958.21	2,013.75	45,971.96	327,098.88
01-Aug-16	2,685,000.00	322,775.00	17,537.56	21,139.01	284,098.43	2,013.75	286,112.18	--
01-Feb-17	2,430,000.00	61,081.25	15,871.98	6,279.23	38,930.04	1,822.50	40,752.54	326,864.72
01-Aug-17	2,430,000.00	326,081.25	15,871.98	21,139.01	289,070.26	1,822.50	290,892.76	--
01-Feb-18	2,165,000.00	54,125.00	14,141.09	6,279.23	33,704.68	1,623.75	35,328.43	326,221.19
01-Aug-18	2,165,000.00	329,125.00	14,141.09	21,139.01	293,844.90	1,623.75	295,468.65	--
01-Feb-19	1,890,000.00	47,250.00	12,344.88	6,279.23	28,625.89	1,417.50	30,043.39	325,512.04
01-Aug-19	1,890,000.00	332,250.00	12,344.88	21,139.01	298,766.11	1,417.50	300,183.61	--
01-Feb-20	1,605,000.00	40,125.00	10,483.35	6,279.23	23,362.42	1,203.75	24,566.17	324,749.78
01-Aug-20	1,605,000.00	340,125.00	10,483.35	21,139.01	308,502.64	1,203.75	309,706.39	--
01-Feb-21	1,305,000.00	32,625.00	8,523.84	6,279.23	17,821.93	978.75	18,800.68	328,507.07
01-Aug-21	1,305,000.00	342,625.00	8,523.84	21,139.01	312,962.15	978.75	313,940.90	--
01-Feb-22	995,000.00	24,875.00	6,499.02	6,279.23	12,096.75	746.25	12,843.00	326,783.90
01-Aug-22	995,000.00	344,875.00	6,499.02	21,139.01	317,236.97	746.25	317,983.22	--
01-Feb-23	675,000.00	16,875.00	4,408.88	6,279.23	6,186.89	506.25	6,693.14	324,676.36
01-Aug-23	675,000.00	351,875.00	4,408.88	21,139.01	326,327.11	506.25	326,833.36	--
01-Feb-24	340,000.00	8,500.00	2,220.77	6,279.23	0.00	255.00	255.00	327,088.36
01-Aug-24	340,000.00	348,500.00	2,220.77	21,139.01	325,140.22	255.00	325,395.22	--
01-Feb-25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	325,395.22
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	--
01-Feb-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	--
01-Feb-35	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	--
		$7,795,430.47	$739,115.15	$548,364.71	$6,507,950.52	$84,868.90	$6,592,819.42	$6,592,819.42

Average Annual Net Debt Service:	$330,539.25

SCHEDULE C

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

Lowell
CW-03-22

Final Structuring Analysis

Financial Equivalent Interest Rate:	2.00%

Schedule of Loan Repayments

Initial Loan Obligation:	$4,985,652.00

	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayments		
Date	Principal	Interest	Total	Equity Earnings	Contract Assistance Payments	Total	Principal	Interest	Total
23-Nov-04									
01-Feb-05	$0.00	$44,569.95	$44,569.95	$12,302.21	$6,279.23	$18,581.44	$0.00	$25,988.51	$25,988.51
01-Aug-05	181,777.00	117,979.26	299,756.26	32,564.68	21,139.01	53,703.69	181,777.00	64,275.57	246,052.57
01-Feb-06	0.00	115,707.05	115,707.05	31,377.37	6,279.23	37,656.60	0.00	78,050.45	78,050.45
01-Aug-06	184,574.00	115,707.05	300,281.05	31,377.37	21,139.01	52,516.38	184,574.00	63,190.67	247,764.67
01-Feb-07	0.00	112,938.44	112,938.44	30,171.80	6,279.23	36,451.03	0.00	76,487.41	76,487.41
01-Aug-07	189,638.00	112,938.44	302,576.44	30,171.80	21,139.01	51,310.81	189,638.00	61,627.63	251,265.63
01-Feb-08	0.00	108,197.49	108,197.49	28,933.14	6,279.23	35,212.37	0.00	72,985.12	72,985.12
01-Aug-08	194,792.00	108,197.49	302,989.49	28,933.14	21,139.01	50,072.15	194,792.00	58,125.34	252,917.34
01-Feb-09	0.00	105,275.61	105,275.61	27,660.82	6,279.23	33,940.05	0.00	71,335.56	71,335.56
01-Aug-09	200,139.00	105,275.61	305,414.61	27,660.82	21,139.01	48,799.83	200,139.00	56,475.78	256,614.78
01-Feb-10	0.00	100,272.13	100,272.13	26,353.58	6,279.23	32,632.81	0.00	67,639.32	67,639.32
01-Aug-10	207,672.00	100,272.13	307,944.13	26,353.58	21,139.01	47,492.59	207,672.00	52,779.54	260,451.54
01-Feb-11	0.00	95,080.33	95,080.33	24,997.13	6,279.23	31,276.36	0.00	63,803.97	63,803.97
01-Aug-11	213,314.00	95,080.33	308,394.33	24,997.13	21,139.01	46,136.14	213,314.00	48,944.19	262,258.19
01-Feb-12	0.00	91,880.62	91,880.62	23,603.83	6,279.23	29,883.06	0.00	61,997.56	61,997.56
01-Aug-12	219,169.00	91,880.62	311,049.62	23,603.83	21,139.01	44,742.84	219,169.00	47,137.78	266,306.78
01-Feb-13	0.00	86,401.40	86,401.40	22,172.29	6,279.23	28,451.52	0.00	57,949.88	57,949.88
01-Aug-13	227,708.00	86,401.40	314,109.40	22,172.29	21,139.01	43,311.30	227,708.00	43,090.10	270,798.10
01-Feb-14	0.00	80,424.06	80,424.06	20,684.98	6,279.23	26,964.21	0.00	53,459.85	53,459.85
01-Aug-14	236,869.00	80,424.06	317,293.06	20,684.98	21,139.01	41,823.99	236,869.00	38,600.07	275,469.07
01-Feb-15	0.00	74,206.25	74,206.25	19,137.82	6,279.23	25,417.05	0.00	48,789.20	48,789.20
01-Aug-15	245,000.00	74,206.25	319,206.25	19,137.82	21,139.01	40,276.83	245,000.00	33,929.42	278,929.42
01-Feb-16	0.00	67,775.00	67,775.00	17,537.56	6,279.23	23,816.79	0.00	43,958.21	43,958.21
01-Aug-16	255,000.00	67,775.00	322,775.00	17,537.56	21,139.01	38,676.57	255,000.00	29,098.43	284,098.43
01-Feb-17	0.00	61,081.25	61,081.25	15,871.98	6,279.23	22,151.21	0.00	38,930.04	38,930.04
01-Aug-17	265,000.00	61,081.25	326,081.25	15,871.98	21,139.01	37,010.99	265,000.00	24,070.26	289,070.26
01-Feb-18	0.00	54,125.00	54,125.00	14,141.09	6,279.23	20,420.32	0.00	33,704.68	33,704.68
01-Aug-18	275,000.00	54,125.00	329,125.00	14,141.09	21,139.01	35,280.10	275,000.00	18,844.90	293,844.90
01-Feb-19	0.00	47,250.00	47,250.00	12,344.88	6,279.23	18,624.11	0.00	28,625.89	28,625.89
01-Aug-19	285,000.00	47,250.00	332,250.00	12,344.88	21,139.01	33,483.89	285,000.00	13,766.11	298,766.11
01-Feb-20	0.00	40,125.00	40,125.00	10,483.35	6,279.23	16,762.58	0.00	23,362.42	23,362.42
01-Aug-20	300,000.00	40,125.00	340,125.00	10,483.35	21,139.01	31,622.36	300,000.00	8,502.64	308,502.64
01-Feb-21	0.00	32,625.00	32,625.00	8,523.84	6,279.23	14,803.07	0.00	17,821.93	17,821.93
01-Aug-21	310,000.00	32,625.00	342,625.00	8,523.84	21,139.01	29,662.85	310,000.00	2,962.15	312,962.15
01-Feb-22	0.00	24,875.00	24,875.00	6,499.02	6,279.23	12,778.25	0.00	12,096.75	12,096.75
01-Aug-22	320,000.00	24,875.00	344,875.00	6,499.02	21,139.01	27,638.03	317,236.97	0.00	317,236.97
01-Feb-23	0.00	16,875.00	16,875.00	4,408.88	6,279.23	10,688.11	0.00	6,186.89	6,186.89
01-Aug-23	335,000.00	16,875.00	351,875.00	4,408.88	21,139.01	25,547.89	326,327.11	0.00	326,327.11
01-Feb-24	0.00	8,500.00	8,500.00	2,220.77	6,279.23	8,500.00	0.00	0.00	0.00
01-Aug-24	340,000.00	8,500.00	348,500.00	2,220.77	21,139.01	23,359.78	325,140.22	0.00	325,140.22
01-Feb-25	0.00	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	0.00	0.00
01-Feb-26	0.00	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	0.00	0.00
01-Feb-27	0.00	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	0.00	0.00
01-Feb-28	0.00	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	0.00	0.00
01-Feb-29	0.00	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	0.00	0.00
01-Feb-30	0.00	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	0.00	0.00
01-Feb-31	0.00	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	0.00	0.00
01-Feb-32	0.00	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	0.00	0.00
01-Feb-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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
	$4,985,652.00	$2,809,778.47	$7,795,430.47	$739,115.15	$548,364.71	$1,287,479.86	$4,959,356.31	$1,548,594.30	$6,507,950.61

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 14

Revised SCHEDULE C

Lowell	
CW-07-23	

Interest Rate:	**2.4210%**

Final Structuring Analysis
Revised Schedule of Payments

Outstanding Principal Amount:	**$12,788,177.00**

	Schedule of Payments			*Admin. Fee*	*Total*
	Principal	Interest	Total	*0.07500%*	*Due*
15-Mar-11					
15-Jul-11	323,167.51	160,421.52	483,589.03	9,939.38	493,528.41
15-Jan-12	-	150,888.95	150,888.95	9,348.76	160,237.71
15-Jul-12	331,086.87	150,888.95	481,975.82	9,348.76	491,324.58
15-Jan-13	-	146,881.14	146,881.14	9,100.44	155,981.58
15-Jul-13	339,201.03	146,881.14	486,082.17	9,100.44	495,182.61
15-Jan-14	-	142,775.11	142,775.11	8,846.04	151,621.15
15-Jul-14	347,513.57	142,775.11	490,288.68	8,846.04	499,134.72
15-Jan-15	-	138,568.46	138,568.46	8,585.41	147,153.87
15-Jul-15	356,029.92	138,568.46	494,598.38	8,585.41	503,183.79
15-Jan-16	-	134,258.71	134,258.71	8,318.38	142,577.09
15-Jul-16	364,754.57	134,258.71	499,013.28	8,318.38	507,331.66
15-Jan-17	-	129,843.36	129,843.36	8,044.82	137,888.18
15-Jul-17	373,693.85	129,843.36	503,537.21	8,044.82	511,582.03
15-Jan-18	-	125,319.80	125,319.80	7,764.55	133,084.35
15-Jul-18	382,851.35	125,319.80	508,171.15	7,764.55	515,935.70
15-Jan-19	-	120,685.38	120,685.38	7,477.41	128,162.79
15-Jul-19	392,234.30	120,685.38	512,919.68	7,477.41	520,397.09
15-Jan-20	-	115,937.38	115,937.38	7,183.23	123,120.61
15-Jul-20	401,846.30	115,937.38	517,783.68	7,183.23	524,966.91
15-Jan-21	-	111,073.04	111,073.04	6,881.85	117,954.89
15-Jul-21	411,694.56	111,073.04	522,767.60	6,881.85	529,649.45
15-Jan-22	-	106,089.47	106,089.47	6,573.08	112,662.55
15-Jul-22	421,783.60	106,089.47	527,873.07	6,573.08	534,446.15
15-Jan-23	-	100,983.78	100,983.78	6,256.74	107,240.52
15-Jul-23	432,119.72	100,983.78	533,103.50	6,256.74	539,360.24
15-Jan-24	-	95,752.97	95,752.97	5,932.65	101,685.62
15-Jul-24	442,710.15	95,752.97	538,463.12	5,932.65	544,395.77
15-Jan-25	-	90,393.96	90,393.96	5,600.62	95,994.58
15-Jul-25	453,559.38	90,393.96	543,953.34	5,600.62	549,553.96
15-Jan-26	-	84,903.63	84,903.63	5,260.45	90,164.08
15-Jul-26	464,674.63	84,903.63	549,578.26	5,260.45	554,838.71
15-Jan-27	-	79,278.74	79,278.74	4,911.94	84,190.68
15-Jul-27	476,062.22	79,278.74	555,340.96	4,911.94	560,252.90
15-Jan-28	-	73,516.01	73,516.01	4,554.90	78,070.91
15-Jul-28	487,728.46	73,516.01	561,244.47	4,554.90	565,799.37
15-Jan-29	-	67,612.06	67,612.06	4,189.10	71,801.16
15-Jul-29	499,681.46	67,612.06	567,293.52	4,189.10	571,482.62
15-Jan-30	-	61,563.41	61,563.41	3,814.34	65,377.75
15-Jul-30	511,926.64	61,563.41	573,490.05	3,814.34	577,304.39
15-Jan-31	-	55,366.54	55,366.54	3,430.39	58,796.93
15-Jul-31	524,472.10	55,366.54	579,838.64	3,430.39	583,269.03
15-Jan-32	-	49,017.80	49,017.80	3,037.04	52,054.84
15-Jul-32	537,325.98	49,017.80	586,343.78	3,037.04	589,380.82
15-Jan-33	-	42,513.48	42,513.48	2,634.04	45,147.52
15-Jul-33	550,493.67	42,513.48	593,007.15	2,634.04	595,641.19
15-Jan-34	-	35,849.75	35,849.75	2,221.17	38,070.92
15-Jul-34	563,984.19	35,849.75	599,833.94	2,221.17	602,055.11
15-Jan-35	-	29,022.72	29,022.72	1,798.19	30,820.91
15-Jul-35	577,805.67	29,022.72	606,828.39	1,798.19	608,626.58
15-Jàn-36	-	22,028.39	22,028.39	1,364.83	23,393.22
15-Jul-36	591,966.21	22,028.39	613,994.60	1,364.83	615,359.43
15-Jan-37	-	14,862.64	14,862.64	920.86	15,783.50
15-Jul-37	606,473.03	14,862.64	621,335.67	920.86	622,256.53
15-Jan-38	-	7,521.27	7,521.27	466.00	7,987.27
15-Jul-38	621,336.06	7,521.27	628,857.33	466.00	629,323.33
15-Jan-39	-	-	-	-	-
15-Jul-39	-	-	-	-	-
	$12,788,177.00	$4,825,437.42	$17,613,614.42	$298,973.84	$17,912,588.26

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

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
State Revolving Fund Bonds
Series 14
Lowell
CW-07-23
Final Structuring Analysis

SCHEDULE C

Interest Rate: 2.421%

Schedule of Payments

Initial Principal Amount: $14,934,892.00

Date	Schedule of Payments Principal	Interest	Total	Admin. Fee 0.07500%	Origination Fee	Total Due
18-Mar-09						
15-Jul-09	$403,948.00	$117,511.47	$521,459.47	$11,201.17	93,044.38	$625,705.02
15-Jan-10	0.00	175,897.08	175,897.08	10,898.21		186,795.29
15-Jul-10	349,796.00	175,897.08	525,693.08	10,898.21		536,591.29
15-Jan-11	0.00	171,662.80	171,662.80	10,635.86		182,298.66
15-Jul-11	358,369.00	171,662.80	530,031.80	10,635.86		540,667.66
15-Jan-12	0.00	167,324.75	167,324.75	10,367.08		177,691.83
15-Jul-12	367,151.00	167,324.75	534,475.75	10,367.08		544,842.83
15-Jan-13	0.00	162,880.38	162,880.38	10,091.72		172,972.10
15-Jul-13	376,149.00	162,880.38	539,029.38	10,091.72		549,121.10
15-Jan-14	0.00	158,327.10	158,327.10	9,809.61		168,136.71
15-Jul-14	385,367.00	158,327.10	543,694.10	9,809.61		553,503.71
15-Jan-15	0.00	153,662.23	153,662.23	9,520.58		163,182.81
15-Jul-15	394,811.00	153,662.23	548,473.23	9,520.58		557,993.81
15-Jan-16	0.00	148,883.04	148,883.04	9,224.48		158,107.52
15-Jul-16	404,486.00	148,883.04	553,369.04	9,224.48		562,593.52
15-Jan-17	0.00	143,986.74	143,986.74	8,921.11		152,907.85
15-Jul-17	414,399.00	143,986.74	558,385.74	8,921.11		567,306.85
15-Jan-18	0.00	138,970.44	138,970.44	8,610.31		147,580.75
15-Jul-18	424,554.00	138,970.44	563,524.44	8,610.31		572,134.75
15-Jan-19	0.00	133,831.21	133,831.21	8,291.90		142,123.11
15-Jul-19	434,959.00	133,831.21	568,790.21	8,291.90		577,082.11
15-Jan-20	0.00	128,566.03	128,566.03	7,965.68		136,531.71
15-Jul-20	445,618.00	128,566.03	574,184.03	7,965.68		582,149.71
15-Jan-21	0.00	123,171.83	123,171.83	7,631.46		130,803.29
15-Jul-21	456,539.00	123,171.83	579,710.83	7,631.46		587,342.29
15-Jan-22	0.00	117,645.42	117,645.42	7,289.06		124,934.48
15-Jul-22	467,727.00	117,645.42	585,372.42	7,289.06		592,661.48
15-Jan-23	0.00	111,983.59	111,983.59	6,938.26		118,921.85
15-Jul-23	479,189.00	111,983.59	591,172.59	6,938.26		598,110.85
15-Jan-24	0.00	106,183.00	106,183.00	6,578.87		112,761.87
15-Jul-24	490,933.00	106,183.00	597,116.00	6,578.87		603,694.87
15-Jan-25	0.00	100,240.26	100,240.26	6,210.67		106,450.93
15-Jul-25	502,964.00	100,240.26	603,204.26	6,210.67		609,414.93
15-Jan-26	0.00	94,151.88	94,151.88	5,833.45		99,985.33
15-Jul-26	515,290.00	94,151.88	609,441.88	5,833.45		615,275.33
15-Jan-27	0.00	87,914.29	87,914.29	5,446.98		93,361.27
15-Jul-27	527,918.00	87,914.29	615,832.29	5,446.98		621,279.27
15-Jan-28	0.00	81,523.85	81,523.85	5,051.04		86,574.89
15-Jul-28	540,855.00	81,523.85	622,378.85	5,051.04		627,429.89
15-Jan-29	0.00	74,976.80	74,976.80	4,645.40		79,622.20
15-Jul-29	554,110.00	74,976.80	629,086.80	4,645.40		633,732.20
15-Jan-30	0.00	68,269.30	68,269.30	4,229.82		72,499.12
15-Jul-30	567,689.00	68,269.30	635,958.30	4,229.82		640,188.12
15-Jan-31	0.00	61,397.42	61,397.42	3,804.05		65,201.47
15-Jul-31	581,601.00	61,397.42	642,998.42	3,804.05		646,802.47
15-Jan-32	0.00	54,357.14	54,357.14	3,367.85		57,724.99
15-Jul-32	595,855.00	54,357.14	650,212.14	3,367.85		653,579.99
15-Jan-33	0.00	47,144.32	47,144.32	2,920.96		50,065.28
15-Jul-33	610,457.00	47,144.32	657,601.32	2,920.96		660,522.28
15-Jan-34	0.00	39,754.74	39,754.74	2,463.12		42,217.86
15-Jul-34	625,417.00	39,754.74	665,171.74	2,463.12		667,634.86
15-Jan-35	0.00	32,184.06	32,184.06	1,994.06		34,178.12
15-Jul-35	640,744.00	32,184.06	672,928.06	1,994.06		674,922.12
15-Jan-36	0.00	24,427.86	24,427.86	1,513.50		25,941.36
15-Jul-36	656,447.00	24,427.86	680,874.86	1,513.50		682,388.36
15-Jan-37	0.00	16,481.57	16,481.57	1,021.16		17,502.73
15-Jul-37	672,534.00	16,481.57	689,015.57	1,021.16		690,036.73
15-Jan-38	0.00	8,340.54	8,340.54	516.76		8,857.30
15-Jul-38	689,016.00	8,340.54	697,356.54	516.76		697,873.30
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
	$14,934,892.00	$5,985,790.81	$20,920,682.81	$374,787.19	$93,044.38	$21,388,514.38

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
State Revolving Fund Bonds
Series 14
Lowell
CW-05-23-A
Final Structuring Analysis

SCHEDULE C

Interest Rate: **2.421%**

Schedule of Payments

Initial Principal Amount: **$480,223.00**

Date	Principal	Interest	Total	Admin. Fee 0.07500%	Origination Fee	Total Due
	Schedule of Payments					
18-Mar-09						
15-Jul-09	$12,989.00	$3,778.52	$16,767.52	$360.17	2,991.79	$20,119.48
15-Jan-10	0.00	5,655.87	5,655.87	350.43		6,006.30
15-Jul-10	11,247.00	5,655.87	16,902.87	350.43		17,253.30
15-Jan-11	0.00	5,519.73	5,519.73	341.99		5,861.72
15-Jul-11	11,523.00	5,519.73	17,042.73	341.99		17,384.72
15-Jan-12	0.00	5,380.24	5,380.24	333.35		5,713.59
15-Jul-12	11,805.00	5,380.24	17,185.24	333.35		17,518.59
15-Jan-13	0.00	5,237.34	5,237.34	324.49		5,561.83
15-Jul-13	12,095.00	5,237.34	17,332.34	324.49		17,656.83
15-Jan-14	0.00	5,090.93	5,090.93	315.42		5,406.35
15-Jul-14	12,391.00	5,090.93	17,481.93	315.42		17,797.35
15-Jan-15	0.00	4,940.94	4,940.94	306.13		5,247.07
15-Jul-15	12,695.00	4,940.94	17,635.94	306.13		17,942.07
15-Jan-16	0.00	4,787.26	4,787.26	296.61		5,083.87
15-Jul-16	13,006.00	4,787.26	17,793.26	296.61		18,089.87
15-Jan-17	0.00	4,629.82	4,629.82	286.85		4,916.67
15-Jul-17	13,325.00	4,629.82	17,954.82	286.85		18,241.67
15-Jan-18	0.00	4,468.52	4,468.52	276.86		4,745.38
15-Jul-18	13,651.00	4,468.52	18,119.52	276.86		18,396.38
15-Jan-19	0.00	4,303.28	4,303.28	266.62		4,569.90
15-Jul-19	13,986.00	4,303.28	18,289.28	266.62		18,555.90
15-Jan-20	0.00	4,133.98	4,133.98	256.13		4,390.11
15-Jul-20	14,329.00	4,133.98	18,462.98	256.13		18,719.11
15-Jan-21	0.00	3,960.52	3,960.52	245.39		4,205.91
15-Jul-21	14,680.00	3,960.52	18,640.52	245.39		18,885.91
15-Jan-22	0.00	3,782.82	3,782.82	234.38		4,017.20
15-Jul-22	15,039.00	3,782.82	18,821.82	234.38		19,056.20
15-Jan-23	0.00	3,600.78	3,600.78	223.10		3,823.88
15-Jul-23	15,408.00	3,600.78	19,008.78	223.10		19,231.88
15-Jan-24	0.00	3,414.26	3,414.26	211.54		3,625.80
15-Jul-24	15,786.00	3,414.26	19,200.26	211.54		19,411.80
15-Jan-25	0.00	3,223.17	3,223.17	199.70		3,422.87
15-Jul-25	16,172.00	3,223.17	19,395.17	199.70		19,594.87
15-Jan-26	0.00	3,027.41	3,027.41	187.57		3,214.98
15-Jul-26	16,569.00	3,027.41	19,596.41	187.57		19,783.98
15-Jan-27	0.00	2,826.84	2,826.84	175.15		3,001.99
15-Jul-27	16,975.00	2,826.84	19,801.84	175.15		19,976.99
15-Jan-28	0.00	2,621.36	2,621.36	162.41		2,783.77
15-Jul-28	17,391.00	2,621.36	20,012.36	162.41		20,174.77
15-Jan-29	0.00	2,410.84	2,410.84	149.37		2,560.21
15-Jul-29	17,817.00	2,410.84	20,227.84	149.37		20,377.21
15-Jan-30	0.00	2,195.17	2,195.17	136.01		2,331.18
15-Jul-30	18,254.00	2,195.17	20,449.17	136.01		20,585.18
15-Jan-31	0.00	1,974.20	1,974.20	122.32		2,096.52
15-Jul-31	18,701.00	1,974.20	20,675.20	122.32		20,797.52
15-Jan-32	0.00	1,747.83	1,747.83	108.29		1,856.12
15-Jul-32	19,159.00	1,747.83	20,906.83	108.29		21,015.12
15-Jan-33	0.00	1,515.91	1,515.91	93.92		1,609.83
15-Jul-33	19,629.00	1,515.91	21,144.91	93.92		21,238.83
15-Jan-34	0.00	1,278.30	1,278.30	79.20		1,357.50
15-Jul-34	20,110.00	1,278.30	21,388.30	79.20		21,467.50
15-Jan-35	0.00	1,034.87	1,034.87	64.12		1,098.99
15-Jul-35	20,603.00	1,034.87	21,637.87	64.12		21,701.99
15-Jan-36	0.00	785.47	785.47	48.67		834.14
15-Jul-36	21,108.00	785.47	21,893.47	48.67		21,942.14
15-Jan-37	0.00	529.96	529.96	32.84		562.80
15-Jul-37	21,625.00	529.96	22,154.96	32.84		22,187.80
15-Jan-38	0.00	268.19	268.19	16.62		284.81
15-Jul-38	22,155.00	268.19	22,423.19	16.62		22,439.81
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
	$480,223.00	$192,470.14	$672,693.14	$12,051.13	$2,991.79	$687,736.06

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

SCHEDULE C

Lowell	
CW-06-28	

Interest Rate:	**2.421%**

Final Structuring Analysis

Schedule of Payments

Initial Principal Amount:	**$11,130,673.00**

	Schedule of Payments			Admin. Fee		Total
Date	**Principal**	**Interest**	**Total**	**0.07500%**	**Origination Fee**	**Due**
18-Mar-09						
15-Jul-09	$301,054.00	$87,578.92	$388,632.92	$8,348.00	69,344.09	$466,325.01
15-Jan-10	0.00	131,092.54	131,092.54	8,122.21		139,214.75
15-Jul-10	260,696.00	131,092.54	391,788.54	8,122.21		399,910.75
15-Jan-11	0.00	127,936.82	127,936.82	7,926.69		135,863.51
15-Jul-11	267,085.00	127,936.82	395,021.82	7,926.69		402,948.51
15-Jan-12	0.00	124,703.75	124,703.75	7,726.38		132,430.13
15-Jul-12	273,630.00	124,703.75	398,333.75	7,726.38		406,060.13
15-Jan-13	0.00	121,391.46	121,391.46	7,521.16		128,912.62
15-Jul-13	280,336.00	121,391.46	401,727.46	7,521.16		409,248.62
15-Jan-14	0.00	117,998.00	117,998.00	7,310.90		125,308.90
15-Jul-14	287,206.00	117,998.00	405,204.00	7,310.90		412,514.90
15-Jan-15	0.00	114,521.37	114,521.37	7,095.50		121,616.87
15-Jul-15	294,245.00	114,521.37	408,766.37	7,095.50		415,861.87
15-Jan-16	0.00	110,959.53	110,959.53	6,874.82		117,834.35
15-Jul-16	301,455.00	110,959.53	412,414.53	6,874.82		419,289.35
15-Jan-17	0.00	107,310.42	107,310.42	6,648.72		113,959.14
15-Jul-17	308,843.00	107,310.42	416,153.42	6,648.72		422,802.14
15-Jan-18	0.00	103,571.87	103,571.87	6,417.09		109,988.96
15-Jul-18	316,412.00	103,571.87	419,983.87	6,417.09		426,400.96
15-Jan-19	0.00	99,741.71	99,741.71	6,179.78		105,921.49
15-Jul-19	324,166.00	99,741.71	423,907.71	6,179.78		430,087.49
15-Jan-20	0.00	95,817.68	95,817.68	5,936.66		101,754.34
15-Jul-20	332,110.00	95,817.68	427,927.68	5,936.66		433,864.34
15-Jan-21	0.00	91,797.49	91,797.49	5,687.58		97,485.07
15-Jul-21	340,249.00	91,797.49	432,046.49	5,687.58		437,734.07
15-Jan-22	0.00	87,678.77	87,678.77	5,432.39		93,111.16
15-Jul-22	348,588.00	87,678.77	436,266.77	5,432.39		441,699.16
15-Jan-23	0.00	83,459.11	83,459.11	5,170.95		88,630.06
15-Jul-23	357,130.00	83,459.11	440,589.11	5,170.95		445,760.06
15-Jan-24	0.00	79,136.05	79,136.05	4,903.10		84,039.15
15-Jul-24	365,882.00	79,136.05	445,018.05	4,903.10		449,921.15
15-Jan-25	0.00	74,707.05	74,707.05	4,628.69		79,335.74
15-Jul-25	374,849.00	74,707.05	449,556.05	4,628.69		454,184.74
15-Jan-26	0.00	70,169.51	70,169.51	4,347.55		74,517.06
15-Jul-26	384,035.00	70,169.51	454,204.51	4,347.55		458,552.06
15-Jan-27	0.00	65,520.76	65,520.76	4,059.53		69,580.29
15-Jul-27	393,447.00	65,520.76	458,967.76	4,059.53		463,027.29
15-Jan-28	0.00	60,758.09	60,758.09	3,764.44		64,522.53
15-Jul-28	403,089.00	60,758.09	463,847.09	3,764.44		467,611.53
15-Jan-29	0.00	55,878.70	55,878.70	3,462.12		59,340.82
15-Jul-29	412,967.00	55,878.70	468,845.70	3,462.12		472,307.82
15-Jan-30	0.00	50,879.73	50,879.73	3,152.40		54,032.13
15-Jul-30	423,087.00	50,879.73	473,966.73	3,152.40		477,119.13
15-Jan-31	0.00	45,758.26	45,758.26	2,835.08		48,593.34
15-Jul-31	433,456.00	45,758.26	479,214.26	2,835.08		482,049.34
15-Jan-32	0.00	40,511.28	40,511.28	2,509.99		43,021.27
15-Jul-32	444,078.00	40,511.28	484,589.28	2,509.99		487,099.27
15-Jan-33	0.00	35,135.71	35,135.71	2,176.93		37,312.64
15-Jul-33	454,961.00	35,135.71	490,096.71	2,176.93		492,273.64
15-Jan-34	0.00	29,628.41	29,628.41	1,835.71		31,464.12
15-Jul-34	466,111.00	29,628.41	495,739.41	1,835.71		497,575.12
15-Jan-35	0.00	23,986.13	23,986.13	1,486.13		25,472.26
15-Jul-35	477,534.00	23,986.13	501,520.13	1,486.13		503,006.26
15-Jan-36	0.00	18,205.58	18,205.58	1,127.98		19,333.56
15-Jul-36	489,237.00	18,205.58	507,442.58	1,127.98		508,570.56
15-Jan-37	0.00	12,283.37	12,283.37	761.05		13,044.42
15-Jul-37	501,226.00	12,283.37	513,509.37	761.05		514,270.42
15-Jan-38	0.00	6,216.03	6,216.03	385.13		6,601.16
15-Jul-38	513,509.00	6,216.03	519,725.03	385.13		520,110.16
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
	$11,130,673.00	$4,461,089.28	$15,591,762.28	$279,321.32	$69,344.09	$15,940,427.69

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 14

Revised SCHEDULE C

Lowell	
DW-07-18	
Loan Interest Rate	2.00%

Final Loan Structuring Analysis
Revised Schedule of Loan Repayments

Outstanding Loan Obligation:	$1,624,123.84

	Schedule of Loan Repayments			*Admin. Fee*	*Total*
	Principal	Interest	Total	*0.07500%*	*Due*
15-Mar-11					
15-Jul-11	75,714.26	17,634.16	93,348.42	1,322.56	94,670.98
15-Jan-12	-	15,484.10	15,484.10	1,161.31	16,645.41
15-Jul-12	77,243.75	15,484.10	92,727.85	1,161.31	93,889.16
15-Jan-13	-	14,711.66	14,711.66	1,103.37	15,815.03
15-Jul-13	78,804.25	14,711.66	93,515.91	1,103.37	94,619.28
15-Jan-14	-	13,923.62	13,923.62	1,044.27	14,967.89
15-Jul-14	80,396.56	13,923.62	94,320.18	1,044.27	95,364.45
15-Jan-15	-	13,119.65	13,119.65	983.97	14,103.62
15-Jul-15	82,020.68	13,119.65	95,140.33	983.97	96,124.30
15-Jan-16	-	12,299.44	12,299.44	922.46	13,221.90
15-Jul-16	83,677.41	12,299.44	95,976.85	922.46	96,899.31
15-Jan-17	-	11,462.67	11,462.67	859.70	12,322.37
15-Jul-17	85,368.35	11,462.67	96,831.02	859.70	97,690.72
15-Jan-18	-	10,608.99	10,608.99	795.67	11,404.66
15-Jul-18	87,092.69	10,608.99	97,701.68	795.67	98,497.35
15-Jan-19	-	9,738.06	9,738.06	730.35	10,468.41
15-Jul-19	88,852.03	9,738.06	98,590.09	730.35	99,320.44
15-Jan-20	-	8,849.54	8,849.54	663.72	9,513.26
15-Jul-20	90,647.15	8,849.54	99,496.69	663.72	100,160.41
15-Jan-21	-	7,943.07	7,943.07	595.73	8,538.80
15-Jul-21	92,478.87	7,943.07	100,421.94	595.73	101,017.67
15-Jan-22	-	7,018.28	7,018.28	526.37	7,544.65
15-Jul-22	94,346.37	7,018.28	101,364.65	526.37	101,891.02
15-Jan-23	-	6,074.81	6,074.81	455.61	6,530.42
15-Jul-23	96,252.85	6,074.81	102,327.66	455.61	102,783.27
15-Jan-24	-	5,112.29	5,112.29	383.42	5,495.71
15-Jul-24	98,197.50	5,112.29	103,309.79	383.42	103,693.21
15-Jan-25	-	4,130.31	4,130.31	309.77	4,440.08
15-Jul-25	100,181.13	4,130.31	104,311.44	309.77	104,621.21
15-Jan-26	-	3,128.50	3,128.50	234.64	3,363.14
15-Jul-26	102,204.52	3,128.50	105,333.02	234.64	105,567.66
15-Jan-27	-	2,106.45	2,106.45	157.98	2,264.43
15-Jul-27	104,269.28	2,106.45	106,375.73	157.98	106,533.71
15-Jan-28	-	1,063.76	1,063.76	79.78	1,143.54
15-Jul-28	106,376.19	1,063.76	107,439.95	79.78	107,519.73
15-Jan-29	-	-	-	-	-
15-Jul-29	-	-	-	-	-
15-Jan-30	-	-	-	-	-
15-Jul-30	-	-	-	-	-
15-Jan-31	-	-	-	-	-
15-Jul-31	-	-	-	-	-
15-Jan-32	-	-	-	-	-
15-Jul-32	-	-	-	-	-
15-Jan-33	-	-	-	-	-
15-Jul-33	-	-	-	-	-
15-Jan-34	-	-	-	-	-
15-Jul-34	-	-	-	-	-
15-Jan-35	-	-	-	-	-
15-Jul-35	-	-	-	-	-
15-Jan-36	-	-	-	-	-
15-Jul-36	-	-	-	-	-
15-Jan-37	-	-	-	-	-
15-Jul-37	-	-	-	-	-
15-Jan-38	-	-	-	-	-
15-Jul-38	-	-	-	-	-
15-Jan-39	-	-	-	-	-
15-Jul-39	-	-	-	-	-
	$1,624,123.84	$311,184.56	$1,935,308.40	$23,338.80	$1,958,647.20

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

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

SCHEDULE C

Lowell	
DW-07-18	
	Loan Interest Rate 2.00%

Final Structuring Analysis

Schedule of Loan Repayments

Initial Loan Obligation: $2,234,515.00

Date	Schedule of Loan Repayments Principal	Interest	Total	Admin. Fee 0.07500%	Loan Origination Fee	Total Due
18-Mar-09						
15-Jul-09	$99,206.00	$14,524.35	$113,730.35	$1,675.89	13,921.03	$129,327.27
15-Jan-10	0.00	21,353.09	21,353.09	1,601.48		22,954.57
15-Jul-10	93,310.00	21,353.09	114,663.09	1,601.48		116,264.57
15-Jan-11	0.00	20,419.99	20,419.99	1,531.50		21,951.49
15-Jul-11	95,195.00	20,419.99	115,614.99	1,531.50		117,146.49
15-Jan-12	0.00	19,468.04	19,468.04	1,460.10		20,928.14
15-Jul-12	97,118.00	19,468.04	116,586.04	1,460.10		118,046.14
15-Jan-13	0.00	18,496.86	18,496.86	1,387.26		19,884.12
15-Jul-13	99,080.00	18,496.86	117,576.86	1,387.26		118,964.12
15-Jan-14	0.00	17,506.06	17,506.06	1,312.95		18,819.01
15-Jul-14	101,082.00	17,506.06	118,588.06	1,312.95		119,901.01
15-Jan-15	0.00	16,495.24	16,495.24	1,237.14		17,732.38
15-Jul-15	103,124.00	16,495.24	119,619.24	1,237.14		120,856.38
15-Jan-16	0.00	15,464.00	15,464.00	1,159.80		16,623.80
15-Jul-16	105,207.00	15,464.00	120,671.00	1,159.80		121,830.80
15-Jan-17	0.00	14,411.93	14,411.93	1,080.89		15,492.82
15-Jul-17	107,333.00	14,411.93	121,744.93	1,080.89		122,825.82
15-Jan-18	0.00	13,338.60	13,338.60	1,000.40		14,339.00
15-Jul-18	109,501.00	13,338.60	122,839.60	1,000.40		123,840.00
15-Jan-19	0.00	12,243.59	12,243.59	918.27		13,161.86
15-Jul-19	111,713.00	12,243.59	123,956.59	918.27		124,874.86
15-Jan-20	0.00	11,126.46	11,126.46	834.48		11,960.94
15-Jul-20	113,970.00	11,126.46	125,096.46	834.48		125,930.94
15-Jan-21	0.00	9,986.76	9,986.76	749.01		10,735.77
15-Jul-21	116,273.00	9,986.76	126,259.76	749.01		127,008.77
15-Jan-22	0.00	8,824.03	8,824.03	661.80		9,485.83
15-Jul-22	118,621.00	8,824.03	127,445.03	661.80		128,106.83
15-Jan-23	0.00	7,637.82	7,637.82	572.84		8,210.66
15-Jul-23	121,018.00	7,637.82	128,655.82	572.84		129,228.66
15-Jan-24	0.00	6,427.64	6,427.64	482.07		6,909.71
15-Jul-24	123,463.00	6,427.64	129,890.64	482.07		130,372.71
15-Jan-25	0.00	5,193.01	5,193.01	389.48		5,582.49
15-Jul-25	125,957.00	5,193.01	131,150.01	389.48		131,539.49
15-Jan-26	0.00	3,933.44	3,933.44	295.01		4,228.45
15-Jul-26	128,501.00	3,933.44	132,434.44	295.01		132,729.45
15-Jan-27	0.00	2,648.43	2,648.43	198.63		2,847.06
15-Jul-27	131,097.00	2,648.43	133,745.43	198.63		133,944.06
15-Jan-28	0.00	1,337.46	1,337.46	100.31		1,437.77
15-Jul-28	133,746.00	1,337.46	135,083.46	100.31		135,183.77
15-Jan-29	0.00	0.00	0.00	0.00		0.00
15-Jul-29	0.00	0.00	0.00	0.00		0.00
15-Jan-30	0.00	0.00	0.00	0.00		0.00
15-Jul-30	0.00	0.00	0.00	0.00		0.00
15-Jan-31	0.00	0.00	0.00	0.00		0.00
15-Jul-31	0.00	0.00	0.00	0.00		0.00
15-Jan-32	0.00	0.00	0.00	0.00		0.00
15-Jul-32	0.00	0.00	0.00	0.00		0.00
15-Jan-33	0.00	0.00	0.00	0.00		0.00
15-Jul-33	0.00	0.00	0.00	0.00		0.00
15-Jan-34	0.00	0.00	0.00	0.00		0.00
15-Jul-34	0.00	0.00	0.00	0.00		0.00
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
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
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
	$2,234,515.00	$467,149.25	$2,701,664.25	$35,622.73	$13,921.03	$2,751,208.01

Massachusetts Clean Water Trust
Series 20
LOWELL Reamortization
DW-11-21-A

Original Loan Amount	3,500,249.00	Loan Origination Fee ($5.5/1000)	0.00
Principal Forgivenesss	-	Loan Term (in years)	18
Principal Paid Down	286,254.00	Loan Rate	2.00%
Outstanding Loan Obligation	3,213,995.00	Closing Date	4/11/2019
Remaining Balance	(22,876.00)	First Payment	7/15/2019
Net New Loan Obligation	3,191,119.00		

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
4/11/2019							
7/15/2019		32,020.49	32,020.49	2,401.54		34,422.02	
1/15/2020	146,757.94	31,911.19	178,669.13	2,393.34		181,062.47	215,484.50
7/15/2020		30,443.61	30,443.61	2,283.27		32,726.88	
1/15/2021	149,947.08	30,443.61	180,390.69	2,283.27		182,673.96	215,400.84
7/15/2021		28,944.14	28,944.14	2,170.81		31,114.95	
1/15/2022	153,206.72	28,944.14	182,150.86	2,170.81		184,321.67	215,436.62
7/15/2022		27,412.07	27,412.07	2,055.91		29,467.98	
1/15/2023	156,535.85	27,412.07	183,947.92	2,055.91		186,003.83	215,471.80
7/15/2023		25,846.71	25,846.71	1,938.50		27,785.22	
1/15/2024	159,938.46	25,846.71	185,785.17	1,938.50		187,723.68	215,508.89
7/15/2024		24,247.33	24,247.33	1,818.55		26,065.88	
1/15/2025	163,414.54	24,247.33	187,661.87	1,818.55		189,480.42	215,546.30
7/15/2025		22,613.18	22,613.18	1,695.99		24,309.17	
1/15/2026	166,966.08	22,613.18	189,579.27	1,695.99		191,275.25	215,584.43
7/15/2026		20,943.52	20,943.52	1,570.76		22,514.29	
1/15/2027	170,595.07	20,943.52	191,538.59	1,570.76		193,109.36	215,623.64
7/15/2027		19,237.57	19,237.57	1,442.82		20,680.39	
1/15/2028	174,302.49	19,237.57	193,540.06	1,442.82		194,982.88	215,663.27
7/15/2028		17,494.55	17,494.55	1,312.09		18,806.64	
1/15/2029	178,090.33	17,494.55	195,584.88	1,312.09		196,896.97	215,703.61
7/15/2029		15,713.64	15,713.64	1,178.52		16,892.17	
1/15/2030	181,960.59	15,713.64	197,674.23	1,178.52		198,852.75	215,744.92
7/15/2030		13,894.04	13,894.04	1,042.05		14,936.09	
1/15/2031	185,915.24	13,894.04	199,809.27	1,042.05		200,851.33	215,787.42
7/15/2031		12,034.89	12,034.89	902.62		12,937.50	
1/15/2032	189,956.27	12,034.89	201,991.16	902.62		202,893.77	215,831.28
7/15/2032		10,135.32	10,135.32	760.15		10,895.47	
1/15/2033	194,084.68	10,135.32	204,220.00	760.15		204,980.15	215,875.62
7/15/2033		8,194.48	8,194.48	614.59		8,809.06	
1/15/2034	198,303.44	8,194.48	206,497.91	614.59		207,112.50	215,921.56
7/15/2034		6,211.44	6,211.44	465.86		6,677.30	
1/15/2035	202,612.54	6,211.44	208,823.98	465.86		209,289.84	215,967.14
7/15/2035		4,185.32	4,185.32	313.90		4,499.22	
1/15/2036	207,015.97	4,185.32	211,201.29	313.90		211,515.19	216,014.40
7/15/2036		2,115.16	2,115.16	158.64		2,273.79	
1/15/2037	211,515.72	2,115.16	213,630.88	158.64		213,789.51	216,063.31
7/15/2037							
	3,191,119.00	643,265.64	3,834,384.64	48,244.92		3,882,629.56	3,882,629.56

SWAP

Prepared by Public Financial Management, Inc.

Massachusetts Clean Water Trust
Series 20
Lowell Loan Amortization
DW-11-21-A

Loan Amount Approved	3,500,249.00		Loan Origination Fee ($5.50/1000)	19,251.37
Principal Forgiveness			Loan Term (in years)	20
Amount to be Financed	3,500,249.00	-	Loan Rate	2.00%
			Closing Date	4/13/2017
			First Interest Payment	7/15/2017
			First Principal Payment	1/15/2018

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
4/13/2017							
7/15/2017		17,890.16	17,890.16	1,341.76	19,251.37	38,483.29	
1/15/2018	141,588.00	35,002.49	176,590.49	2,625.19		179,215.68	217,698.97
7/15/2018		33,586.61	33,586.61	2,519.00		36,105.61	
1/15/2019	144,666.00	33,586.61	178,252.61	2,519.00		180,771.61	216,877.21
7/15/2019		32,139.95	32,139.95	2,410.50		34,550.45	
1/15/2020	147,810.00	32,139.95	179,949.95	2,410.50		182,360.45	216,910.89
7/15/2020		30,661.85	30,661.85	2,299.64		32,961.49	
1/15/2021	151,022.00	30,661.85	181,683.85	2,299.64		183,983.49	216,944.98
7/15/2021		29,151.63	29,151.63	2,186.37		31,338.00	
1/15/2022	154,305.00	29,151.63	183,456.63	2,186.37		185,643.00	216,981.00
7/15/2022		27,608.58	27,608.58	2,070.64		29,679.22	
1/15/2023	157,658.00	27,608.58	185,266.58	2,070.64		187,337.22	217,016.45
7/15/2023		26,032.00	26,032.00	1,952.40		27,984.40	
1/15/2024	161,085.00	26,032.00	187,117.00	1,952.40		189,069.40	217,053.80
7/15/2024		24,421.15	24,421.15	1,831.59		26,252.74	
1/15/2025	164,586.00	24,421.15	189,007.15	1,831.59		190,838.74	217,091.47
7/15/2025		22,775.29	22,775.29	1,708.15		24,483.44	
1/15/2026	168,163.00	22,775.29	190,938.29	1,708.15		192,646.44	217,129.87
7/15/2026		21,093.66	21,093.66	1,582.02		22,675.68	
1/15/2027	171,818.00	21,093.66	192,911.66	1,582.02		194,493.68	217,169.37
7/15/2027		19,375.48	19,375.48	1,453.16		20,828.64	
1/15/2028	175,552.00	19,375.48	194,927.48	1,453.16		196,380.64	217,209.28
7/15/2028		17,619.96	17,619.96	1,321.50		18,941.46	
1/15/2029	179,367.00	17,619.96	196,986.96	1,321.50		198,308.46	217,249.91
7/15/2029		15,826.29	15,826.29	1,186.97		17,013.26	
1/15/2030	183,265.00	15,826.29	199,091.29	1,186.97		200,278.26	217,291.52
7/15/2030		13,993.64	13,993.64	1,049.52		15,043.16	
1/15/2031	187,248.00	13,993.64	201,241.64	1,049.52		202,291.16	217,334.33
7/15/2031		12,121.16	12,121.16	909.09		13,030.25	
1/15/2032	191,318.00	12,121.16	203,439.16	909.09		204,348.25	217,378.49
7/15/2032		10,207.98	10,207.98	765.60		10,973.58	
1/15/2033	195,476.00	10,207.98	205,683.98	765.60		206,449.58	217,423.16
7/15/2033		8,253.22	8,253.22	618.99		8,872.21	
1/15/2034	199,725.00	8,253.22	207,978.22	618.99		208,597.21	217,469.42
7/15/2034		6,255.97	6,255.97	469.20		6,725.17	
1/15/2035	204,065.00	6,255.97	210,320.97	469.20		210,790.17	217,515.34
7/15/2035		4,215.32	4,215.32	316.15		4,531.47	
1/15/2036	208,500.00	4,215.32	212,715.32	316.15		213,031.47	217,562.94
7/15/2036		2,130.32	2,130.32	159.77		2,290.09	
1/15/2037	213,032.00	2,130.32	215,162.32	159.77		215,322.09	217,612.19
7/15/2037							
	3,500,249.00	767,832.77	4,268,081.77	57,587.46	19,251.37	4,344,920.60	4,344,920.60

Notes:

**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 Clean Water Trust
Series 20
LOWELL Reamortization
DWP-13-03

Original Loan Amount	10,105,055.00	Loan Origination Fee ($5.5/1000)	0.00
Principal Forgivenesss	421,565.00	Loan Term (in years)	18
Principal Paid Down	791,926.00	Loan Rate	2.00%
Outstanding Loan Obligation	8,891,564.00	Closing Date	4/11/2019
Remaining Balance	(2,686,883.00)	First Payment	7/15/2019
Net New Loan Obligation	6,204,681.00		

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
4/11/2019							
7/15/2019		74,884.14	74,884.14	5,616.31		80,500.45	
1/15/2020	285,349.65	62,046.81	347,396.46	4,653.51		352,049.97	432,550.42
7/15/2020		59,193.31	59,193.31	4,439.50		63,632.81	
1/15/2021	291,552.06	59,193.31	350,745.37	4,439.50		355,184.87	418,817.68
7/15/2021		56,277.79	56,277.79	4,220.83		60,498.63	
1/15/2022	297,888.10	56,277.79	354,165.90	4,220.83		358,386.73	418,885.36
7/15/2022		53,298.91	53,298.91	3,997.42		57,296.33	
1/15/2023	304,362.51	53,298.91	357,661.42	3,997.42		361,658.84	418,955.17
7/15/2023		50,255.29	50,255.29	3,769.15		54,024.43	
1/15/2024	310,976.98	50,255.29	361,232.27	3,769.15		365,001.42	419,025.85
7/15/2024		47,145.52	47,145.52	3,535.91		50,681.43	
1/15/2025	317,736.20	47,145.52	364,881.72	3,535.91		368,417.63	419,099.06
7/15/2025		43,968.15	43,968.15	3,297.61		47,265.77	
1/15/2026	324,641.81	43,968.15	368,609.96	3,297.61		371,907.58	419,173.34
7/15/2026		40,721.74	40,721.74	3,054.13		43,775.87	
1/15/2027	331,697.43	40,721.74	372,419.16	3,054.13		375,473.29	419,249.16
7/15/2027		37,404.76	37,404.76	2,805.36		40,210.12	
1/15/2028	338,905.64	37,404.76	376,310.40	2,805.36		379,115.76	419,325.88
7/15/2028		34,015.71	34,015.71	2,551.18		36,566.88	
1/15/2029	346,272.00	34,015.71	380,287.71	2,551.18		382,838.89	419,405.77
7/15/2029		30,552.99	30,552.99	2,291.47		32,844.46	
1/15/2030	353,798.04	30,552.99	384,351.03	2,291.47		386,642.50	419,486.96
7/15/2030		27,015.01	27,015.01	2,026.13		29,041.13	
1/15/2031	361,487.25	27,015.01	388,502.26	2,026.13		390,528.39	419,569.52
7/15/2031		23,400.13	23,400.13	1,755.01		25,155.14	
1/15/2032	369,343.10	23,400.13	392,743.23	1,755.01		394,498.24	419,653.38
7/15/2032		19,706.70	19,706.70	1,478.00		21,184.70	
1/15/2033	377,370.00	19,706.70	397,076.70	1,478.00		398,554.71	419,739.41
7/15/2033		15,933.00	15,933.00	1,194.98		17,127.98	
1/15/2034	385,572.36	15,933.00	401,505.36	1,194.98		402,700.33	419,828.31
7/15/2034		12,077.28	12,077.28	905.80		12,983.07	
1/15/2035	393,951.52	12,077.28	406,028.80	905.80		406,934.59	419,917.67
7/15/2035		8,137.76	8,137.76	610.33		8,748.10	
1/15/2036	402,513.82	8,137.76	410,651.58	610.33		411,261.91	420,010.01
7/15/2036		4,112.63	4,112.63	308.45		4,421.07	
1/15/2037	411,262.53	4,112.63	415,375.16	308.45		415,683.60	420,104.67
7/15/2037							
	6,204,681.00	1,263,364.31	7,468,045.31	94,752.32		7,562,797.63	7,562,797.63

Notes:

* Not withstanding 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.

SWAP

Prepared by Public Financial Management, Inc.

Massachusetts Clean Water Trust
Series 20
Lowell Loan Amortization
DWP-13-03

Loan Amount Approved	10,105,055.00		Loan Origination Fee ($5.50/1000)	53,259.20
Principal Forgiveness	421,565.00		Loan Term (in years)	20
Amount to be Financed	9,683,490.00	-	Loan Rate	2.00%
			Closing Date	4/13/2017
			First Interest Payment	7/15/2017
			First Principal Payment	1/15/2018

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
4/13/2017							
7/15/2017		49,493.39	49,493.39	3,712.00	53,259.20	106,464.59	
1/15/2018	391,706.00	96,834.90	488,540.90	7,262.62		495,803.52	602,268.11
7/15/2018		92,917.84	92,917.84	6,968.84		99,886.68	
1/15/2019	400,220.00	92,917.84	493,137.84	6,968.84		500,106.68	599,993.36
7/15/2019		88,915.64	88,915.64	6,668.67		95,584.31	
1/15/2020	408,918.00	88,915.64	497,833.64	6,668.67		504,502.31	600,086.63
7/15/2020		84,826.46	84,826.46	6,361.98		91,188.44	
1/15/2021	417,806.00	84,826.46	502,632.46	6,361.98		508,994.44	600,182.89
7/15/2021		80,648.40	80,648.40	6,048.63		86,697.03	
1/15/2022	426,886.00	80,648.40	507,534.40	6,048.63		513,583.03	600,280.06
7/15/2022		76,379.54	76,379.54	5,728.47		82,108.01	
1/15/2023	436,164.00	76,379.54	512,543.54	5,728.47		518,272.01	600,380.01
7/15/2023		72,017.90	72,017.90	5,401.34		77,419.24	
1/15/2024	445,643.00	72,017.90	517,660.90	5,401.34		523,062.24	600,481.49
7/15/2024		67,561.47	67,561.47	5,067.11		72,628.58	
1/15/2025	455,329.00	67,561.47	522,890.47	5,067.11		527,957.58	600,586.16
7/15/2025		63,008.18	63,008.18	4,725.61		67,733.79	
1/15/2026	465,225.00	63,008.18	528,233.18	4,725.61		532,958.79	600,692.59
7/15/2026		58,355.93	58,355.93	4,376.69		62,732.62	
1/15/2027	475,336.00	58,355.93	533,691.93	4,376.69		538,068.62	600,801.25
7/15/2027		53,602.57	53,602.57	4,020.19		57,622.76	
1/15/2028	485,666.00	53,602.57	539,268.57	4,020.19		543,288.76	600,911.53
7/15/2028		48,745.91	48,745.91	3,655.94		52,401.85	
1/15/2029	496,222.00	48,745.91	544,967.91	3,655.94		548,623.85	601,025.71
7/15/2029		43,783.69	43,783.69	3,283.78		47,067.47	
1/15/2030	507,007.00	43,783.69	550,790.69	3,283.78		554,074.47	601,141.93
7/15/2030		38,713.62	38,713.62	2,903.52		41,617.14	
1/15/2031	518,026.00	38,713.62	556,739.62	2,903.52		559,643.14	601,260.28
7/15/2031		33,533.36	33,533.36	2,515.00		36,048.36	
1/15/2032	529,284.00	33,533.36	562,817.36	2,515.00		565,332.36	601,380.72
7/15/2032		28,240.52	28,240.52	2,118.04		30,358.56	
1/15/2033	540,787.00	28,240.52	569,027.52	2,118.04		571,145.56	601,504.12
7/15/2033		22,832.65	22,832.65	1,712.45		24,545.10	
1/15/2034	552,541.00	22,832.65	575,373.65	1,712.45		577,086.10	601,631.20
7/15/2034		17,307.24	17,307.24	1,298.04		18,605.28	
1/15/2035	564,549.00	17,307.24	581,856.24	1,298.04		583,154.28	601,759.57
7/15/2035		11,661.75	11,661.75	874.63		12,536.38	
1/15/2036	576,819.00	11,661.75	588,480.75	874.63		589,355.38	601,891.76
7/15/2036		5,893.56	5,893.56	442.02		6,335.58	
1/15/2037	589,356.00	5,893.56	595,249.56	442.02		595,691.58	602,027.15
7/15/2037							
	9,683,490.00	2,124,220.75	11,807,710.75	159,316.56	53,259.20	12,020,286.50	12,020,286.50

Notes:

**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.

Replaced by Debt Schedule Dated September 17, 2021

Prepared by PFM Financial Advisors LLC

Massachusetts Clean Water Trust
Series 22
Lowell Loan Amortization
CWP-16-13

Loan Amount Approved	12,849,042.00		Loan Origination Fee ($5.00/1000)	0.00
Principal Forgiveness*	680,697.00		Loan Term (in years)	20
Amount to be Financed	12,168,345.00	-	Loan Rate	2.00%
			Closing Date	10/24/2019
			First Interest Payment	1/15/2020
			First Principal Payment	7/15/2020

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		54,757.55	54,757.55	4,106.82		58,864.37	58,864.37
7/15/2020	492,222.00	121,683.45	613,905.45	9,126.26		623,031.71	
1/15/2021		116,761.23	116,761.23	8,757.09		125,518.32	748,550.03
7/15/2021	502,920.00	116,761.23	619,681.23	8,757.09		628,438.32	
1/15/2022		111,732.03	111,732.03	8,379.90		120,111.93	748,550.25
7/15/2022	513,850.00	111,732.03	625,582.03	8,379.90		633,961.93	
1/15/2023		106,593.53	106,593.53	7,994.51		114,588.04	748,549.98
7/15/2023	525,018.00	106,593.53	631,611.53	7,994.51		639,606.04	
1/15/2024		101,343.35	101,343.35	7,600.75		108,944.10	748,550.15
7/15/2024	536,428.00	101,343.35	637,771.35	7,600.75		645,372.10	
1/15/2025		95,979.07	95,979.07	7,198.43		103,177.50	748,549.60
7/15/2025	548,087.00	95,979.07	644,066.07	7,198.43		651,264.50	
1/15/2026		90,498.20	90,498.20	6,787.37		97,285.57	748,550.07
7/15/2026	559,999.00	90,498.20	650,497.20	6,787.37		657,284.57	
1/15/2027		84,898.21	84,898.21	6,367.37		91,265.58	748,550.14
7/15/2027	572,169.00	84,898.21	657,067.21	6,367.37		663,434.58	
1/15/2028		79,176.52	79,176.52	5,938.24		85,114.76	748,549.33
7/15/2028	584,605.00	79,176.52	663,781.52	5,938.24		669,719.76	
1/15/2029		73,330.47	73,330.47	5,499.79		78,830.26	748,550.01
7/15/2029	597,310.00	73,330.47	670,640.47	5,499.79		676,140.26	
1/15/2030		67,357.37	67,357.37	5,051.80		72,409.17	748,549.43
7/15/2030	610,292.00	67,357.37	677,649.37	5,051.80		682,701.17	
1/15/2031		61,254.45	61,254.45	4,594.08		65,848.53	748,549.71
7/15/2031	623,556.00	61,254.45	684,810.45	4,594.08		689,404.53	
1/15/2032		55,018.89	55,018.89	4,126.42		59,145.31	748,549.84
7/15/2032	637,108.00	55,018.89	692,126.89	4,126.42		696,253.31	
1/15/2033		48,647.81	48,647.81	3,648.59		52,296.40	748,549.70
7/15/2033	650,955.00	48,647.81	699,602.81	3,648.59		703,251.40	
1/15/2034		42,138.26	42,138.26	3,160.37		45,298.63	748,550.03
7/15/2034	665,102.00	42,138.26	707,240.26	3,160.37		710,400.63	
1/15/2035		35,487.24	35,487.24	2,661.54		38,148.78	748,549.41
7/15/2035	679,557.00	35,487.24	715,044.24	2,661.54		717,705.78	
1/15/2036		28,691.67	28,691.67	2,151.88		30,843.55	748,549.33
7/15/2036	694,327.00	28,691.67	723,018.67	2,151.88		725,170.55	
1/15/2037		21,748.40	21,748.40	1,631.13		23,379.53	748,550.08
7/15/2037	709,417.00	21,748.40	731,165.40	1,631.13		732,796.53	
1/15/2038		14,654.23	14,654.23	1,099.07		15,753.30	748,549.83
7/15/2038	724,835.00	14,654.23	739,489.23	1,099.07		740,588.30	
1/15/2039		7,405.88	7,405.88	555.44		7,961.32	748,549.62
7/15/2039	740,588.00	7,405.88	747,993.88	555.44		748,549.32	
1/15/2040							748,549.32
	12,168,345.00	2,661,874.62	14,830,219.62	199,640.60		15,029,860.22	15,029,860.22

Notes:

*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.

Prepared by PFM Financial Advisors LLC

Massachusetts Clean Water Trust
Series 22
Lowell Loan Amortization
CWP-16-15

Loan Amount Approved	13,578,832.00		Loan Origination Fee ($5.00/1000)	0.00
Principal Forgiveness*	911,891.00		Loan Term (in years)	20
Amount to be Financed	12,666,941.00	-	Loan Rate	2.00%
			Closing Date	10/24/2019
			First Interest Payment	1/15/2020
			First Principal Payment	7/15/2020

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		57,001.23	57,001.23	4,275.09		61,276.33	61,276.33
7/15/2020	512,390.00	126,669.41	639,059.41	9,500.21		648,559.62	
1/15/2021		121,545.51	121,545.51	9,115.91		130,661.42	779,221.04
7/15/2021	523,527.00	121,545.51	645,072.51	9,115.91		654,188.42	
1/15/2022		116,310.24	116,310.24	8,723.27		125,033.51	779,221.93
7/15/2022	534,905.00	116,310.24	651,215.24	8,723.27		659,938.51	
1/15/2023		110,961.19	110,961.19	8,322.09		119,283.28	779,221.79
7/15/2023	546,530.00	110,961.19	657,491.19	8,322.09		665,813.28	
1/15/2024		105,495.89	105,495.89	7,912.19		113,408.08	779,221.36
7/15/2024	558,408.00	105,495.89	663,903.89	7,912.19		671,816.08	
1/15/2025		99,911.81	99,911.81	7,493.39		107,405.20	779,221.28
7/15/2025	570,545.00	99,911.81	670,456.81	7,493.39		677,950.20	
1/15/2026		94,206.36	94,206.36	7,065.48		101,271.84	779,222.03
7/15/2026	582,944.00	94,206.36	677,150.36	7,065.48		684,215.84	
1/15/2027		88,376.92	88,376.92	6,628.27		95,005.19	779,221.03
7/15/2027	595,614.00	88,376.92	683,990.92	6,628.27		690,619.19	
1/15/2028		82,420.78	82,420.78	6,181.56		88,602.34	779,221.53
7/15/2028	608,559.00	82,420.78	690,979.78	6,181.56		697,161.34	
1/15/2029		76,335.19	76,335.19	5,725.14		82,060.33	779,221.67
7/15/2029	621,785.00	76,335.19	698,120.19	5,725.14		703,845.33	
1/15/2030		70,117.34	70,117.34	5,258.80		75,376.14	779,221.47
7/15/2030	635,299.00	70,117.34	705,416.34	5,258.80		710,675.14	
1/15/2031		63,764.35	63,764.35	4,782.33		68,546.68	779,221.82
7/15/2031	649,106.00	63,764.35	712,870.35	4,782.33		717,652.68	
1/15/2032		57,273.29	57,273.29	4,295.50		61,568.79	779,221.46
7/15/2032	663,213.00	57,273.29	720,486.29	4,295.50		724,781.79	
1/15/2033		50,641.16	50,641.16	3,798.09		54,439.25	779,221.03
7/15/2033	677,628.00	50,641.16	728,269.16	3,798.09		732,067.25	
1/15/2034		43,864.88	43,864.88	3,289.87		47,154.75	779,221.99
7/15/2034	692,355.00	43,864.88	736,219.88	3,289.87		739,509.75	
1/15/2035		36,941.33	36,941.33	2,770.60		39,711.93	779,221.68
7/15/2035	707,402.00	36,941.33	744,343.33	2,770.60		747,113.93	
1/15/2036		29,867.31	29,867.31	2,240.05		32,107.36	779,221.29
7/15/2036	722,777.00	29,867.31	752,644.31	2,240.05		754,884.36	
1/15/2037		22,639.54	22,639.54	1,697.97		24,337.51	779,221.86
7/15/2037	738,485.00	22,639.54	761,124.54	1,697.97		762,822.51	
1/15/2038		15,254.69	15,254.69	1,144.10		16,398.79	779,221.30
7/15/2038	754,535.00	15,254.69	769,789.69	1,144.10		770,933.79	
1/15/2039		7,709.34	7,709.34	578.20		8,287.54	779,221.33
7/15/2039	770,934.00	7,709.34	778,643.34	578.20		779,221.54	
1/15/2040							779,221.54
	12,666,941.00	2,770,944.88	15,437,885.88	207,820.87		15,645,706.75	15,645,706.75

Notes:

*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 Clean Water Trust
Series 22 Swap
LOWELL Reamortization
CWP-16-13

Original Loan Amount	12,849,042.00	Loan Origination Fee ($5.00/1000)	0.00
Principal Forgiveness*	680,697.00	Loan Term (in years)	18
Principal Paid Down	995,142.00	Loan Rate	2.00%
Outstanding Loan Obligation	11,173,203.00	Closing Date	9/28/2021
Remaining Balance	(938,642.00)	First Payment	1/15/2022
Net New Loan Obligation**	10,234,561.00		

Date	Principal	Interest	Total Debt Service	Admin Fee (0.15%)	Loan Origination Fee	Total Debt Service	Annual Debt Service
9/28/2021							
1/15/2022		106,152.32	106,152.32	7,961.42		114,113.75	
7/15/2022	470,682.34	102,345.61	573,027.95	7,675.92		580,703.87	
1/15/2023		97,638.79	97,638.79	7,322.91		104,961.70	685,665.57
7/15/2023	480,912.15	97,638.79	578,550.94	7,322.91		585,873.85	
1/15/2024		92,829.67	92,829.67	6,962.22		99,791.89	685,665.74
7/15/2024	491,363.57	92,829.67	584,193.24	6,962.22		591,155.46	
1/15/2025		87,916.03	87,916.03	6,593.70		94,509.73	685,665.19
7/15/2025	502,043.16	87,916.03	589,959.19	6,593.70		596,552.89	
1/15/2026		82,895.60	82,895.60	6,217.17		89,112.77	685,665.66
7/15/2026	512,954.46	82,895.60	595,850.06	6,217.17		602,067.23	
1/15/2027		77,766.05	77,766.05	5,832.45		83,598.51	685,665.73
7/15/2027	524,102.01	77,766.05	601,868.06	5,832.45		607,700.52	
1/15/2028		72,525.03	72,525.03	5,439.38		77,964.41	685,664.93
7/15/2028	535,493.34	72,525.03	608,018.37	5,439.38		613,457.75	
1/15/2029		67,170.10	67,170.10	5,037.76		72,207.86	685,665.61
7/15/2029	547,130.96	67,170.10	614,301.06	5,037.76		619,338.82	
1/15/2030		61,698.79	61,698.79	4,627.41		66,326.20	685,665.02
7/15/2030	559,022.39	61,698.79	620,721.18	4,627.41		625,348.59	
1/15/2031		56,108.57	56,108.57	4,208.14		60,316.71	685,665.30
7/15/2031	571,172.12	56,108.57	627,280.68	4,208.14		631,488.82	
1/15/2032		50,396.84	50,396.84	3,779.76		54,176.61	685,665.43
7/15/2032	583,585.62	50,396.84	633,982.47	3,779.76		637,762.23	
1/15/2033		44,560.99	44,560.99	3,342.07		47,903.06	685,665.30
7/15/2033	596,269.39	44,560.99	640,830.38	3,342.07		644,172.45	
1/15/2034		38,598.29	38,598.29	2,894.87		41,493.17	685,665.62
7/15/2034	609,227.87	38,598.29	647,826.17	2,894.87		650,721.04	
1/15/2035		32,506.02	32,506.02	2,437.95		34,943.97	685,665.01
7/15/2035	622,468.52	32,506.02	654,974.54	2,437.95		657,412.49	
1/15/2036		26,281.33	26,281.33	1,971.10		28,252.43	685,664.92
7/15/2036	635,997.78	26,281.33	662,279.11	1,971.10		664,250.21	
1/15/2037		19,921.35	19,921.35	1,494.10		21,415.45	685,665.67
7/15/2037	649,820.08	19,921.35	669,741.43	1,494.10		671,235.53	
1/15/2038		13,423.15	13,423.15	1,006.74		14,429.89	685,665.42
7/15/2038	663,942.82	13,423.15	677,365.97	1,006.74		678,372.71	
1/15/2039		6,783.72	6,783.72	508.78		7,292.50	685,665.21
7/15/2039	678,372.41	6,783.72	685,156.13	508.78		685,664.91	
1/15/2040							685,664.91
	10,234,561.00	2,066,538.59	12,301,099.59	154,990.39		12,456,089.98	12,341,976.23

Notes:

*This project qualifies for loan forgiveness in accordance with Schedule B to the Financing Agreement.

**Not withstanding 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.

Massachusetts Clean Water Trust
Series 24
LOWELL Loan Amortization
CWP-16-15-A

Loan Amount Approved	1,921,168.00	Loan Origination Fee ($0.00/1000)	0.00
Loan Forgiveness	-	Loan Term (in years)	20
Amount to be Financed	1,921,168.00	Loan Rate	2.00%
		Closing Date	12/14/2022
		First Interest Payment	7/15/2023
		First Principal Payment	1/15/2024

Date	Principal	Interest	Total Payments	Admin Fee (0.15%)	Loan Origination Fee	Total Payments	Total Annual Payments
12/14/2022							
7/15/2023		22,520.36	22,520.36	1,689.03		24,209.39	
1/15/2024	77,713.00	19,211.68	96,924.68	1,440.88		98,365.56	122,574.94
7/15/2024		18,434.55	18,434.55	1,382.59		19,817.14	
1/15/2025	79,402.00	18,434.55	97,836.55	1,382.59		99,219.14	119,036.28
7/15/2025		17,640.53	17,640.53	1,323.04		18,963.57	
1/15/2026	81,128.00	17,640.53	98,768.53	1,323.04		100,091.57	119,055.14
7/15/2026		16,829.25	16,829.25	1,262.19		18,091.44	
1/15/2027	82,891.00	16,829.25	99,720.25	1,262.19		100,982.44	119,073.89
7/15/2027		16,000.34	16,000.34	1,200.03		17,200.37	
1/15/2028	84,693.00	16,000.34	100,693.34	1,200.03		101,893.37	119,093.73
7/15/2028		15,153.41	15,153.41	1,136.51		16,289.92	
1/15/2029	86,533.00	15,153.41	101,686.41	1,136.51		102,822.92	119,112.83
7/15/2029		14,288.08	14,288.08	1,071.61		15,359.69	
1/15/2030	88,414.00	14,288.08	102,702.08	1,071.61		103,773.69	119,133.37
7/15/2030		13,403.94	13,403.94	1,005.30		14,409.24	
1/15/2031	90,336.00	13,403.94	103,739.94	1,005.30		104,745.24	119,154.47
7/15/2031		12,500.58	12,500.58	937.54		13,438.12	
1/15/2032	92,299.00	12,500.58	104,799.58	937.54		105,737.12	119,175.25
7/15/2032		11,577.59	11,577.59	868.32		12,445.91	
1/15/2033	94,305.00	11,577.59	105,882.59	868.32		106,750.91	119,196.82
7/15/2033		10,634.54	10,634.54	797.59		11,432.13	
1/15/2034	96,354.00	10,634.54	106,988.54	797.59		107,786.13	119,218.26
7/15/2034		9,671.00	9,671.00	725.33		10,396.33	
1/15/2035	98,449.00	9,671.00	108,120.00	725.33		108,845.33	119,241.65
7/15/2035		8,686.51	8,686.51	651.49		9,338.00	
1/15/2036	100,588.00	8,686.51	109,274.51	651.49		109,926.00	119,264.00
7/15/2036		7,680.63	7,680.63	576.05		8,256.68	
1/15/2037	102,774.00	7,680.63	110,454.63	576.05		111,030.68	119,287.35
7/15/2037		6,652.89	6,652.89	498.97		7,151.86	
1/15/2038	105,008.00	6,652.89	111,660.89	498.97		112,159.86	119,311.71
7/15/2038		5,602.81	5,602.81	420.21		6,023.02	
1/15/2039	107,290.00	5,602.81	112,892.81	420.21		113,313.02	119,336.04
7/15/2039		4,529.91	4,529.91	339.74		4,869.65	
1/15/2040	109,622.00	4,529.91	114,151.91	339.74		114,491.65	119,361.31
7/15/2040		3,433.69	3,433.69	257.53		3,691.22	
1/15/2041	112,004.00	3,433.69	115,437.69	257.53		115,695.22	119,386.43
7/15/2041		2,313.65	2,313.65	173.52		2,487.17	
1/15/2042	114,439.00	2,313.65	116,752.65	173.52		116,926.17	119,413.35
7/15/2042		1,169.26	1,169.26	87.69		1,256.95	
1/15/2043	116,926.00	1,169.26	118,095.26	87.69		118,182.95	119,439.91
7/15/2043							
	1,921,168.00	434,138.36	2,355,306.36	32,560.38		2,387,866.74	2,387,866.74

Massachusetts Clean Water Trust
Series 24
LOWELL Loan Amortization
CWP-16-15-B

Loan Amount Approved	2,200,000.00
Loan Forgiveness	-
Amount to be Financed	2,200,000.00

Loan Origination Fee ($0.00/1000)	0.00
Loan Term (in years)	20
Loan Rate	2.00%
Closing Date	12/14/2022
First Interest Payment	7/15/2023
First Principal Payment	1/15/2024

Date	Principal	Interest	Total Payments	Admin Fee (0.15%)	Loan Origination Fee	Total Payments	Total Annual Payments
12/14/2022							
7/15/2023		25,788.89	25,788.89	1,934.17		27,723.06	
1/15/2024	88,992.00	22,000.00	110,992.00	1,650.00		112,642.00	140,365.06
7/15/2024		21,110.08	21,110.08	1,583.26		22,693.34	
1/15/2025	90,926.00	21,110.08	112,036.08	1,583.26		113,619.34	136,312.67
7/15/2025		20,200.82	20,200.82	1,515.06		21,715.88	
1/15/2026	92,902.00	20,200.82	113,102.82	1,515.06		114,617.88	136,333.76
7/15/2026		19,271.80	19,271.80	1,445.39		20,717.19	
1/15/2027	94,922.00	19,271.80	114,193.80	1,445.39		115,639.19	136,356.37
7/15/2027		18,322.58	18,322.58	1,374.19		19,696.77	
1/15/2028	96,985.00	18,322.58	115,307.58	1,374.19		116,681.77	136,378.55
7/15/2028		17,352.73	17,352.73	1,301.45		18,654.18	
1/15/2029	99,092.00	17,352.73	116,444.73	1,301.45		117,746.18	136,400.37
7/15/2029		16,361.81	16,361.81	1,227.14		17,588.95	
1/15/2030	101,246.00	16,361.81	117,607.81	1,227.14		118,834.95	136,423.89
7/15/2030		15,349.35	15,349.35	1,151.20		16,500.55	
1/15/2031	103,447.00	15,349.35	118,796.35	1,151.20		119,947.55	136,448.10
7/15/2031		14,314.88	14,314.88	1,073.62		15,388.50	
1/15/2032	105,695.00	14,314.88	120,009.88	1,073.62		121,083.50	136,471.99
7/15/2032		13,257.93	13,257.93	994.34		14,252.27	
1/15/2033	107,992.00	13,257.93	121,249.93	994.34		122,244.27	136,496.55
7/15/2033		12,178.01	12,178.01	913.35		13,091.36	
1/15/2034	110,339.00	12,178.01	122,517.01	913.35		123,430.36	136,521.72
7/15/2034		11,074.62	11,074.62	830.60		11,905.22	
1/15/2035	112,737.00	11,074.62	123,811.62	830.60		124,642.22	136,547.43
7/15/2035		9,947.25	9,947.25	746.04		10,693.29	
1/15/2036	115,187.00	9,947.25	125,134.25	746.04		125,880.29	136,573.59
7/15/2036		8,795.38	8,795.38	659.65		9,455.03	
1/15/2037	117,691.00	8,795.38	126,486.38	659.65		127,146.03	136,601.07
7/15/2037		7,618.47	7,618.47	571.39		8,189.86	
1/15/2038	120,249.00	7,618.47	127,867.47	571.39		128,438.86	136,628.71
7/15/2038		6,415.98	6,415.98	481.20		6,897.18	
1/15/2039	122,862.00	6,415.98	129,277.98	481.20		129,759.18	136,656.36
7/15/2039		5,187.36	5,187.36	389.05		5,576.41	
1/15/2040	125,532.00	5,187.36	130,719.36	389.05		131,108.41	136,684.82
7/15/2040		3,932.04	3,932.04	294.90		4,226.94	
1/15/2041	128,260.00	3,932.04	132,192.04	294.90		132,486.94	136,713.89
7/15/2041		2,649.44	2,649.44	198.71		2,848.15	
1/15/2042	131,048.00	2,649.44	133,697.44	198.71		133,896.15	136,744.30
7/15/2042		1,338.96	1,338.96	100.42		1,439.38	
1/15/2043	133,896.00	1,338.96	135,234.96	100.42		135,335.38	136,774.76
7/15/2043							
	2,200,000.00	497,147.87	2,697,147.87	37,286.09		2,734,433.96	2,734,433.96

Massachusetts Clean Water Trust
Series 25
Lowell Loan Amortization
DWP-21-14

Loan Amount Approved	6,344,000.00	Loan Origination Fee ($0.00/1000)	0.00
Loan Forgiveness*	1,512,499.00	Loan Term (in years)	20
		Loan Rate	1.50%
Amount to be Financed	4,831,501.00	Closing Date	11/21/2023
		First Interest Payment	7/15/2024
		First Principal Payment	1/15/2025

Date	Principal	Interest	Total Payments	Admin Fee (0.15%)	Loan Origination Fee	Total Payments	Total Annual Payments
11/21/2023							
7/15/2024		47,107.13	47,107.13	4,710.71		51,817.85	
1/15/2025	205,594.00	36,236.26	241,830.26	3,623.63		245,453.88	297,271.73
7/15/2025		34,694.30	34,694.30	3,469.43		38,163.73	
1/15/2026	209,015.00	34,694.30	243,709.30	3,469.43		247,178.73	285,342.47
7/15/2026		33,126.69	33,126.69	3,312.67		36,439.36	
1/15/2027	212,492.00	33,126.69	245,618.69	3,312.67		248,931.36	285,370.72
7/15/2027		31,533.00	31,533.00	3,153.30		34,686.30	
1/15/2028	216,027.00	31,533.00	247,560.00	3,153.30		250,713.30	285,399.60
7/15/2028		29,912.80	29,912.80	2,991.28		32,904.08	
1/15/2029	219,622.00	29,912.80	249,534.80	2,991.28		252,526.08	285,430.15
7/15/2029		28,265.63	28,265.63	2,826.56		31,092.20	
1/15/2030	223,275.00	28,265.63	251,540.63	2,826.56		254,367.20	285,459.39
7/15/2030		26,591.07	26,591.07	2,659.11		29,250.18	
1/15/2031	226,990.00	26,591.07	253,581.07	2,659.11		256,240.18	285,490.35
7/15/2031		24,888.65	24,888.65	2,488.86		27,377.51	
1/15/2032	230,767.00	24,888.65	255,655.65	2,488.86		258,144.51	285,522.02
7/15/2032		23,157.89	23,157.89	2,315.79		25,473.68	
1/15/2033	234,606.00	23,157.89	257,763.89	2,315.79		260,079.68	285,553.36
7/15/2033		21,398.35	21,398.35	2,139.83		23,538.18	
1/15/2034	238,509.00	21,398.35	259,907.35	2,139.83		262,047.18	285,585.36
7/15/2034		19,609.53	19,609.53	1,960.95		21,570.48	
1/15/2035	242,477.00	19,609.53	262,086.53	1,960.95		264,047.48	285,617.97
7/15/2035		17,790.95	17,790.95	1,779.10		19,570.05	
1/15/2036	246,511.00	17,790.95	264,301.95	1,779.10		266,081.05	285,651.10
7/15/2036		15,942.12	15,942.12	1,594.21		17,536.33	
1/15/2037	250,613.00	15,942.12	266,555.12	1,594.21		268,149.33	285,685.66
7/15/2037		14,062.52	14,062.52	1,406.25		15,468.77	
1/15/2038	254,782.00	14,062.52	268,844.52	1,406.25		270,250.77	285,719.55
7/15/2038		12,151.66	12,151.66	1,215.17		13,366.82	
1/15/2039	259,021.00	12,151.66	271,172.66	1,215.17		272,387.82	285,754.65
7/15/2039		10,209.00	10,209.00	1,020.90		11,229.90	
1/15/2040	263,331.00	10,209.00	273,540.00	1,020.90		274,560.90	285,790.80
7/15/2040		8,234.02	8,234.02	823.40		9,057.42	
1/15/2041	267,712.00	8,234.02	275,946.02	823.40		276,769.42	285,826.84
7/15/2041		6,226.18	6,226.18	622.62		6,848.80	
1/15/2042	272,166.00	6,226.18	278,392.18	622.62		279,014.80	285,863.59
7/15/2042		4,184.93	4,184.93	418.49		4,603.43	
1/15/2043	276,694.00	4,184.93	280,878.93	418.49		281,297.43	285,900.85
7/15/2043		2,109.73	2,109.73	210.97		2,320.70	
1/15/2044	281,297.00	2,109.73	283,406.73	210.97		283,617.70	285,938.40
7/15/2044							
	4,831,501.00	811,521.42	5,643,022.42	81,152.14		5,724,174.56	5,724,174.56

Notes:

*This project qualifies for loan forgiveness in accordance with Schedule B to the Financing Agreement