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

SCHEDULE C

Title V Loan
Essex 97-1187

Preliminary Loan Structuring Analysis

Schedule of Loan Repayments

Outstanding Loan Obligati $102,363.00

	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayments		
	Principal	Interest	Total	Equity Earnings	Contract Assistance Payments	Total	Principal	Interest	Total
01-Aug-01	5,379.00						5,379.00		5,379.00
01-Feb-02	$0.00	$2,481.65	$2,481.65	$1,284.22	$1,197.43	$2,481.65	0.00	$0.00	0.00
01-Aug-02	5,394.00	2,495.51	7,889.51	1,291.39	1,204.12	2,495.51	5,394.00	0.00	5,394.00
01-Feb-03	0.00	2,384.92	2,384.92	1,219.56	1,165.36	2,384.92	0.00	0.00	0.00
01-Aug-03	5,395.00	2,384.92	7,779.92	1,219.56	1,165.36	2,384.92	5,395.00	0.00	5,395.00
01-Feb-04	0.00	2,270.28	2,270.28	1,147.72	1,122.56	2,270.28	(0.00)	0.00	(0.00)
01-Aug-04	5,395.00	2,270.28	7,665.28	1,147.72	1,122.56	2,270.28	5,395.00	0.00	5,395.00
01-Feb-05	0.00	2,152.27	2,152.27	1,075.89	1,076.38	2,152.27	0.00	0.00	0.00
01-Aug-05	5,395.00	2,152.27	7,547.27	1,075.89	1,076.38	2,152.27	5,395.00	0.00	5,395.00
01-Feb-06	0.00	2,030.89	2,030.89	1,004.06	1,026.83	2,030.89	(0.00)	0.00	(0.00)
01-Aug-06	5,395.00	2,030.89	7,425.89	1,004.06	1,026.83	2,030.89	5,395.00	0.00	5,395.00
01-Feb-07	0.00	1,889.28	1,889.28	932.22	957.06	1,889.28	0.00	0.00	0.00
01-Aug-07	5,395.00	1,889.28	7,284.28	932.22	957.06	1,889.28	5,395.00	0.00	5,395.00
01-Feb-08	0.00	1,747.67	1,747.67	860.39	887.28	1,747.67	0.00	0.00	0.00
01-Aug-08	5,395.00	1,747.67	7,142.67	860.39	887.28	1,747.67	5,395.00	0.00	5,395.00
01-Feb-09	0.00	1,618.19	1,618.19	788.56	829.64	1,618.19	0.00	0.00	0.00
01-Aug-09	5,395.00	1,618.19	7,013.19	788.56	829.64	1,618.19	5,395.00	0.00	5,395.00
01-Feb-10	0.00	1,476.58	1,476.58	716.72	759.86	1,476.58	(0.00)	0.00	(0.00)
1-Aug-10	5,431.00	1,476.58	6,907.58	716.72	759.86	1,476.58	5,431.00	0.00	5,431.00
01-Feb-11	0.00	1,340.80	1,340.80	644.40	696.40	1,340.80	0.00	0.00	0.00
01-Aug-11	5,431.00	1,340.80	6,771.80	644.40	696.40	1,340.80	5,431.00	0.00	5,431.00
01-Feb-12	0.00	1,194.84	1,194.84	572.09	622.76	1,194.84	0.00	0.00	0.00
01-Aug-12	5,431.00	1,194.84	6,625.84	572.09	622.76	1,194.84	5,431.00	0.00	5,431.00
01-Feb-13	0.00	1,045.49	1,045.49	499.77	545.72	1,045.49	0.00	0.00	0.00
01-Aug-13	5,431.00	1,045.49	6,476.49	499.77	545.72	1,045.49	5,431.00	0.00	5,431.00
01-Feb-14	0.00	896.13	896.13	427.45	468.68	896.13	0.00	0.00	0.00
01-Aug-14	5,431.00	896.13	6,327.13	427.45	468.68	896.13	5,431.00	0.00	5,431.00
01-Feb-15	0.00	746.78	746.78	355.13	391.64	746.78	0.00	0.00	0.00
01-Aug-15	5,334.00	746.78	6,080.78	355.13	391.64	746.78	5,334.00	0.00	5,334.00
01-Feb-16	0.00	606.76	606.76	284.11	322.65	606.76	0.00	0.00	0.00
01-Aug-16	5,334.00	606.76	5,940.76	284.11	322.65	606.76	5,334.00	0.00	5,334.00
01-Feb-17	0.00	453.40	453.40	213.08	240.32	453.40	0.00	0.00	0.00
01-Aug-17	5,334.00	453.40	5,787.40	213.08	240.32	453.40	5,334.00	0.00	5,334.00
01-Feb-18	0.00	300.04	300.04	142.05	157.99	300.04	(0.00)	0.00	(0.00)
01-Aug-18	5,334.00	300.04	5,634.04	142.05	157.99	300.04	5,334.00	0.00	5,334.00
01-Feb-19	0.00	146.69	146.69	71.03	75.66	146.69	0.00	0.00	0.00
01-Aug-19	5,334.00	146.69	5,480.69	71.03	75.66	146.69	5,334.00	0.00	5,334.00
01-Feb-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Aug-22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
01-Feb-23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	$102,363.00	$49,579.19	$146,563.19	$24,484.05	$25,095.15	$49,579.19	$102,363.00	$0.00	$102,363.00

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

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 8
Essex 2nd
7-1187-1
nal Structuring Analysis

SCHEDULE C

Schedule of Loan Repayments

Initial Loan Obligation: 37,501.00

Date	Scheduled Loan Repayments Principal	Interest	Total	Loan Subsidy Amounts Equity Earnings	Contract Assistance Payments	Total	Net Loan Repayments Principal	Interest	Total
1-Aug-04	2,072.00		2,072.00			-	2,072.00	-	2,072.00
1-Feb-05		822.00	822.00	383.00	439.00	822.00	-	-	-
1-Aug-05	1,972.00	822.00	2,794.00	383.00	439.00	822.00	1,972.00	-	1,972.00
1-Feb-06	-	792.00	792.00	361.00	431.00	792.00	-	-	-
1-Aug-06	1,972.00	792.00	2,764.00	361.00	431.00	792.00	1,972.00	-	1,972.00
1-Feb-07	-	762.00	762.00	340.00	422.00	762.00	-	-	-
1-Aug-07	1,972.00	762.00	2,734.00	340.00	422.00	762.00	1,972.00	-	1,972.00
1-Feb-08	-	733.00	733.00	319.00	414.00	733.00	-	-	-
1-Aug-08	1,972.00	733.00	2,705.00	319.00	414.00	733.00	1,972.00	-	1,972.00
1-Feb-09	-	693.00	693.00	297.00	396.00	693.00	-	-	-
1-Aug-09	1,972.00	693.00	2,665.00	297.00	396.00	693.00	1,972.00	-	1,972.00
1-Feb-10	-	644.00	644.00	276.00	368.00	644.00	-	-	-
1-Aug-10	1,972.00	644.00	2,616.00	276.00	368.00	644.00	1,972.00	-	1,972.00
1-Feb-11	-	595.00	595.00	255.00	340.00	595.00	-	-	-
1-Aug-11	1,972.00	595.00	2,567.00	255.00	340.00	595.00	1,972.00	-	1,972.00
1-Feb-12	-	546.00	546.00	234.00	312.00	546.00	-	-	-
1-Aug-12	1,913.00	546.00	2,459.00	234.00	312.00	546.00	1,913.00	-	1,913.00
1-Feb-13	-	498.00	498.00	213.00	285.00	498.00	-	-	-
1-Aug-13	1,962.00	498.00	2,460.00	213.00	285.00	498.00	1,962.00	-	1,962.00
1-Feb-14	-	446.00	446.00	192.00	254.00	446.00	-	-	-
1-Aug-14	1,962.00	446.00	2,408.00	192.00	254.00	446.00	1,962.00	-	1,962.00
1-Feb-15	-	395.00	395.00	171.00	224.00	395.00	-	-	-
1-Aug-15	1,962.00	395.00	2,357.00	171.00	224.00	395.00	1,962.00	-	1,962.00
1-Feb-16	-	346.00	346.00	150.00	196.00	346.00	-	-	-
1-Aug-16	1,962.00	346.00	2,308.00	150.00	196.00	346.00	1,962.00	-	1,962.00
1-Feb-17	-	297.00	297.00	129.00	168.00	297.00	-	-	-
1-Aug-17	1,962.00	297.00	2,259.00	129.00	168.00	297.00	1,962.00	-	1,962.00
1-Feb-18	-	248.00	248.00	107.00	141.00	248.00	-	-	-
1-Aug-18	1,962.00	248.00	2,210.00	107.00	141.00	248.00	1,962.00	-	1,962.00
1-Feb-19	-	198.00	198.00	85.00	113.00	198.00	-	-	-
1-Aug-19	1,962.00	198.00	2,160.00	85.00	113.00	198.00	1,962.00	-	1,962.00
1-Feb-20	-	149.00	149.00	64.00	85.00	149.00	-	-	-
1-Aug-20	1,962.00	149.00	2,111.00	64.00	85.00	149.00	1,962.00	-	1,962.00
1-Feb-21	-	100.00	100.00	43.00	57.00	100.00	-	-	-
1-Aug-21	2,008.00	100.00	2,108.00	43.00	57.00	100.00	2,008.00	-	2,008.00
1-Feb-22	-	50.00	50.00	21.00	29.00	50.00	-	-	-
1-Aug-22	2,008.00	50.00	2,058.00	21.00	29.00	50.00	2,008.00	-	2,008.00
1-Feb-23	-	-	-	-	-	-	-	-	-
1-Aug-23	-	-	-	-	-	-	-	-	-
1-Feb-24	-	-	-	-	-	-	-	-	-
1-Aug-24	-	-	-	-	-	-	-	-	-
1-Feb-25	-	-	-	-	-	-	-	-	-
1-Aug-25	-	-	-	-	-	-	-	-	-
1-Feb-26	-	-	-	-	-	-	-	-	-
1-Aug-26	-	-	-	-	-	-	-	-	-
1-Feb-27	-	-	-	-	-	-	-	-	-
1-Aug-27	-	-	-	-	-	-	-	-	-
1-Feb-28	-	-	-	-	-	-	-	-	-
1-Aug-28	-	-	-	-	-	-	-	-	-
1-Feb-29	-	-	-	-	-	-	-	-	-
1-Aug-29	-	-	-	-	-	-	-	-	-
1-Feb-30	-	-	-	-	-	-	-	-	-
1-Aug-30	-	-	-	-	-	-	-	-	-
1-Feb-31	-	-	-	-	-	-	-	-	-
1-Aug-31	-	-	-	-	-	-	-	-	-
1-Feb-32	-	-	-	-	-	-	-	-	-
1-Aug-32	-	-	-	-	-	-	-	-	-
1-Feb-33	-	-	-	-	-	-	-	-	-
1-Aug-33	-	-	-	-	-	-	-	-	-
	37,501.00	16,628.00	54,129.00	7,280.00	9,348.00	16,628.00	37,501.00	-	37,501.00

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 9
Essex
01-02-A
Final Loan Structuring Analysis

AMENDED SCHEDULE C

Net Borrower Savings due to 2006 Refunding:	34,455.17
G.E.	50.00%

Schedule of Loan Repayments

Initial Loan Obligation:	2,199,530.00

	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	52,929.38	52,929.38	23,030.18	2,371.99	25,402.17	0.00	27,527.21	27,527.21
01-Aug-07	103,657.00	51,104.38	154,761.38	23,030.18	47,002.93	70,033.11	84,728.27	0.00	84,728.27
01-Feb-08	0.00	50,067.81	50,067.81	21,944.84	1,472.18	23,417.02	0.00	26,650.79	26,650.79
01-Aug-08	103,872.00	50,067.81	153,939.81	21,944.84	47,002.93	68,947.77	84,992.04	0.00	84,992.04
01-Feb-09	0.00	48,873.28	48,873.28	20,857.25	1,472.18	22,329.42	0.00	26,543.85	26,543.85
01-Aug-09	105,680.00	48,873.28	154,553.28	20,857.25	47,002.93	67,860.18	86,693.10	0.00	86,693.10
01-Feb-10	0.00	46,231.28	46,231.28	19,750.72	1,472.18	21,222.90	0.00	25,008.37	25,008.37
01-Aug-10	107,874.00	46,231.28	154,105.28	19,750.72	47,002.93	66,753.66	87,351.62	0.00	87,351.62
01-Feb-11	0.00	44,613.17	44,613.17	18,621.23	1,472.18	20,093.41	0.00	24,519.76	24,519.76
01-Aug-11	110,418.00	44,613.17	155,031.17	18,621.23	47,002.93	65,624.16	89,407.01	0.00	89,407.01
01-Feb-12	0.00	41,576.67	41,576.67	17,465.10	1,472.18	18,937.28	0.00	22,639.39	22,639.39
01-Aug-12	114,434.00	41,576.67	156,010.67	17,465.10	47,002.93	64,468.03	91,542.64	0.00	91,542.64
01-Feb-13	0.00	38,429.74	38,429.74	16,266.92	1,472.18	17,739.09	0.00	20,690.64	20,690.64
01-Aug-13	118,595.00	38,429.74	157,024.74	16,266.92	47,002.93	63,269.85	93,754.89	0.00	93,754.89
01-Feb-14	0.00	35,168.37	35,168.37	15,025.17	1,472.18	16,497.35	0.00	18,671.02	18,671.02
01-Aug-14	125,000.00	35,168.37	160,168.37	15,025.17	47,002.93	62,028.10	98,140.27	0.00	98,140.27
01-Feb-15	0.00	31,730.87	31,730.87	13,716.36	1,472.18	15,188.53	0.00	16,542.33	16,542.33
01-Aug-15	130,000.00	31,730.87	161,730.87	13,716.36	47,002.93	60,719.29	101,011.58	0.00	101,011.58
01-Feb-16	0.00	28,155.87	28,155.87	12,355.19	1,472.18	13,827.37	0.00	14,328.50	14,328.50
01-Aug-16	130,000.00	28,155.87	158,155.87	12,355.19	47,002.93	59,358.12	98,797.75	0.00	98,797.75
01-Feb-17	0.00	24,743.37	24,743.37	10,994.03	1,472.18	12,466.20	0.00	12,277.16	12,277.16
01-Aug-17	135,000.00	23,475.52	158,475.52	10,994.03	46,369.01	57,363.04	101,112.49	0.00	101,112.49
01-Feb-18	0.00	21,280.62	21,280.62	9,580.51	1,512.68	11,093.19	0.00	10,187.43	10,187.43
01-Aug-18	140,000.00	19,148.22	159,148.22	9,580.51	45,977.23	55,557.74	103,590.48	0.00	103,590.48
01-Feb-19	0.00	17,764.14	17,764.14	8,114.64	1,591.94	9,706.58	0.00	8,057.56	8,057.56
01-Aug-19	145,000.00	16,389.02	161,389.02	8,114.64	46,435.13	54,549.77	106,839.25	0.00	106,839.25
01-Feb-20	0 00	14,160.69	14,160.69	6,596.42	1,602.72	8,199.13	0.00	5,961.56	5,961 56
01-Aug-20	150,000.00	12,892.63	162,892.63	6,596.42	46,499.44	53,095.85	109,796.78	0.00	109,796.78
01-Feb-21	0.00	10,486.62	10,486.62	5,025.84	1,640.68	6,666.52	0.00	3,820.10	3,820.10
01-Aug-21	155,000.00	9,348.01	164,348.01	5,025.84	46,602.13	51,627.97	112,720.04	0.00	112,720.04
01-Feb-22	0.00	6,790.48	6,790.48	3,402.91	1,730.11	5,133.02	0.00	1,657.46	1,657.46
01-Aug-22	160,000.00	4,621.06	164,621.06	3,402.91	46,482.99	49,885.91	114,735.15	0.00	114,735.15
01-Feb-23	0.00	3,511.32	3,511.32	1,727.63	1,783.69	3,511.32	0.00	0.00	0.00
01-Aug-23	165,000.00	0.00	165,000.00	1,727.63	46,029.26	47,756.90	117,243.10	0.00	117,243.10
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
	$2,199,530.00	$1,018,339.54	$3,217,869.54	$448,949.83	$821,380.11	$1,270,329.93	$1,682,456.45	$265,083.15	$1,947,539.61

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 9
Essex
-02-A
CW-01-02-A
Final Structuring Analysis

SCHEDULE C

Schedule of Loan Repayments

Initial Loan Obligation: $2,502,533.00

Date	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayments		
	Principal	Interest	Total	Equity Earnings	Contract Assistance Payments	Total	Principal	Interest	Total
06-Nov-03									
01-Feb-04	$0.00	$27,160.21	$27,160.21	$12,373.53	$2,397.37	$14,770.90	$0.00	$12,389.31	$12,389.31
01-Aug-04	100,474.00	57,515.75	157,989.75	26,202.77	47,928.12	74,130.89	83,858.86	0.00	83,858.86
01-Feb-05	0.00	56,511.01	56,511.01	25,150.76	2,397.37	27,548.13	0.00	28,962.88	28,962.88
01-Aug-05	100,465.00	56,511.01	156,976.01	25,150.76	47,928.12	73,078.88	83,897.13	0.00	83,897.13
01-Feb-06	0.00	55,506.36	55,506.36	24,098.84	2,397.37	26,496.21	0.00	29,010.15	29,010.15
01-Aug-06	102,064.00	55,506.36	157,570.36	24,098.84	47,928.12	72,026.96	85,543.40	0.00	85,543.40
01-Feb-07	0.00	52,954.76	52,954.76	23,030.18	2,397.37	25,427.55	0.00	27,527.21	27,527.21
01-Aug-07	103,657.00	52,954.76	156,611.76	23,030.18	47,928.12	70,958.30	85,653.46	0.00	85,653.46
01-Feb-08	0.00	51,918.19	51,918.19	21,944.84	2,397.37	24,342.21	0.00	27,575.98	27,575.98
01-Aug-08	103,872.00	51,918.19	155,790.19	21,944.84	47,928.12	69,872.96	85,917.23	0.00	85,917.23
01-Feb-09	0.00	50,723.66	50,723.66	20,857.25	2,397.37	23,254.62	0.00	27,469.04	27,469.04
01-Aug-09	105,680.00	50,723.66	156,403.66	20,857.25	47,928.12	68,785.37	87,618.29	0.00	87,618.29
01-Feb-10	0.00	48,081.66	48,081.66	19,750.72	2,397.37	22,148.09	0.00	25,933.57	25,933.57
01-Aug-10	107,874.00	48,081.66	155,955.66	19,750.72	47,928.12	67,678.84	88,276.82	0.00	88,276.82
01-Feb-11	0.00	46,463.55	46,463.55	18,621.23	2,397.37	21,018.60	0.00	25,444.95	25,444.95
01-Aug-11	110,418.00	46,463.55	156,881.55	18,621.23	47,928.12	66,549.35	90,332.20	0.00	90,332.20
01-Feb-12	0.00	43,427.05	43,427.05	17,465.10	2,397.37	19,862.47	0.00	23,564.58	23,564.58
01-Aug-12	114,434.00	43,427.05	157,861.05	17,465.10	47,928.12	65,393.22	92,467.83	0.00	92,467.83
01-Feb-13	0.00	40,280.12	40,280.12	16,266.92	2,397.37	18,664.29	0.00	21,615.83	21,615.83
01-Aug-13	118,595.00	40,280.12	158,875.12	16,266.92	47,928.12	64,195.04	94,680.08	0.00	94,680.08
01-Feb-14	0.00	37,018.75	37,018.75	15,025.17	2,397.37	17,422.54	0.00	19,596.21	19,596.21
01-Aug-14	125,000.00	37,018.75	162,018.75	15,025.17	47,928.12	62,953.29	99,065.46	0.00	99,065.46
01-Feb-15	0.00	33,581.25	33,581.25	13,716.36	2,397.37	16,113.73	0.00	17,467.52	17,467.52
01-Aug-15	130,000.00	33,581.25	163,581.25	13,716.36	47,928.12	61,644.48	101,936.77	0.00	101,936.77
01-Feb-16	0.00	30,006.25	30,006.25	12,355.19	2,397.37	14,752.56	0.00	15,253.69	15,253.69
01-Aug-16	130,000.00	30,006.25	160,006.25	12,355.19	47,928.12	60,283.31	99,722.94	0.00	99,722.94
01-Feb-17	0.00	26,593.75	26,593.75	10,994.03	2,397.37	13,391.40	0.00	13,202.35	13,202.35
01-Aug-17	135,000.00	26,593.75	161,593.75	10,994.03	47,928.12	58,922.15	102,671.60	0.00	102,671.60
01-Feb-18	0.00	23,050.00	23,050.00	9,580.51	2,397.37	11,977.88	0.00	11,072.12	11,072.12
01-Aug-18	140,000.00	23,050.00	163,050.00	9,580.51	47,928.12	57,508.63	105,541.37	0.00	105,541.37
01-Feb-19	0.00	19,375.00	19,375.00	8,114.64	2,397.37	10,512.01	0.00	8,862.99	8,862.99
01-Aug-19	145,000.00	19,375.00	164,375.00	8,114.64	47,928.12	56,042.76	108,332.24	0.00	108,332.24
01-Feb-20	0.00	15,750.00	15,750.00	6,596.42	2,397.37	8,993.79	0.00	6,756.21	6,756.21
01-Aug-20	150,000.00	15,750.00	165,750.00	6,596.42	47,928.12	54,524.54	111,225.46	0.00	111,225.46
01-Feb-21	0.00	12,000.00	12,000.00	5,025.84	2,397.37	7,423.21	0.00	4,576.79	4,576.79
01-Aug-21	155,000.00	12,000.00	167,000.00	5,025.84	47,928.12	52,953.96	114,046.04	0.00	114,046.04
01-Feb-22	0.00	8,125.00	8,125.00	3,402.91	2,397.37	5,800.28	0.00	2,324.72	2,324.72
01-Aug-22	160,000.00	8,125.00	168,125.00	3,402.91	47,928.12	51,331.03	116,793.97	0.00	116,793.97
01-Feb-23	0.00	4,125.00	4,125.00	1,727.63	2,397.37	4,125.00	0.00	0.00	0.00
01-Aug-23	165,000.00	4,125.00	169,125.00	1,727.63	47,928.12	49,655.75	119,469.25	0.00	119,469.25
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
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
	$2,502,533.00	$1,395,658.68	$3,898,191.68	$586,025.38	$1,006,509.86	$1,592,535.24	$1,957,050.34	$348,606.10	$2,305,656.44

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 9

Essex
1-02-A
nal Structuring Analysis

Estimated Net Borrower Debt Service

Date	Principal Outstanding	Debt Service [Net of Accrued Interest]	LESS DSRF Earnings @ 4.188200%	LESS Contract Assistance	Estimated Net Debt Service	PLUS Administrative Fee Payable @ 0.075%	Estimated Total Payment	Estimated Total Payment [Fiscal Year ending] 30-Jun
06-Nov-03								
01-Feb-04	$2,502,533.00	$27,160.21	12,373.53	$2,397.37	$12,389.31	$886.31	$13,275.62	$13,275.62
01-Aug-04	2,502,533.00	157,989.75	26,202.77	47,928.12	83,858.86	1,876.90	85,735.76	--
01-Feb-05	2,402,059.00	56,511.01	25,150.76	2,397.37	28,962.88	1,801.54	30,764.42	116,500.18
01-Aug-05	2,402,059.00	156,976.01	25,150.76	47,928.12	83,897.13	1,801.54	85,698.67	--
01-Feb-06	2,301,594.00	55,506.36	24,098.84	2,397.37	29,010.15	1,726.20	30,736.35	116,435.02
01-Aug-06	2,301,594.00	157,570.36	24,098.84	47,928.12	85,543.40	1,726.20	87,269.60	--
01-Feb-07	2,199,530.00	52,954.76	23,030.18	2,397.37	27,527.21	1,649.65	29,176.86	116,446.46
01-Aug-07	2,199,530.00	156,611.76	23,030.18	47,928.12	85,653.46	1,649.65	87,303.11	--
01-Feb-08	2,095,873.00	51,918.19	21,944.84	2,397.37	27,575.98	1,571.90	29,147.88	116,450.99
01-Aug-08	2,095,873.00	155,790.19	21,944.84	47,928.12	85,917.23	1,571.90	87,489.13	--
01-Feb-09	1,992,001.00	50,723.66	20,857.25	2,397.37	27,469.04	1,494.00	28,963.04	116,452.17
01-Aug-09	1,992,001.00	156,403.66	20,857.25	47,928.12	87,618.29	1,494.00	89,112.29	--
01-Feb-10	1,886,321.00	48,081.66	19,750.72	2,397.37	25,933.57	1,414.74	27,348.31	116,460.60
01-Aug-10	1,886,321.00	155,955.66	19,750.72	47,928.12	88,276.82	1,414.74	89,691.56	--
01-Feb-11	1,778,447.00	46,463.55	18,621.23	2,397.37	25,444.95	1,333.84	26,778.79	116,470.35
01-Aug-11	1,778,447.00	156,881.55	18,621.23	47,928.12	90,332.20	1,333.84	91,666.04	--
01-Feb-12	1,668,029.00	43,427.05	17,465.10	2,397.37	23,564.58	1,251.02	24,815.60	116,481.64
01-Aug-12	1,668,029.00	157,861.05	17,465.10	47,928.12	92,467.83	1,251.02	93,718.85	--
01-Feb-13	1,553,595.00	40,280.12	16,266.92	2,397.37	21,615.83	1,165.20	22,781.03	116,499.88
01-Aug-13	1,553,595.00	158,875.12	16,266.92	47,928.12	94,680.08	1,165.20	95,845.28	--
01-Feb-14	1,435,000.00	37,018.75	15,025.17	2,397.37	19,596.21	1,076.25	20,672.46	116,517.74
01-Aug-14	1,435,000.00	162,018.75	15,025.17	47,928.12	99,065.46	1,076.25	100,141.71	--
01-Feb-15	1,310,000.00	33,581.25	13,716.36	2,397.37	17,467.52	982.50	18,450.02	118,591.73
01-Aug-15	1,310,000.00	163,581.25	13,716.36	47,928.12	101,936.77	982.50	102,919.27	--
01-Feb-16	1,180,000.00	30,006.25	12,355.19	2,397.37	15,253.69	885.00	16,138.69	119,057.96
01-Aug-16	1,180,000.00	160,006.25	12,355.19	47,928.12	99,722.94	885.00	100,607.94	--
01-Feb-17	1,050,000.00	26,593.75	10,994.03	2,397.37	13,202.35	787.50	13,989.85	114,597.79
01-Aug-17	1,050,000.00	161,593.75	10,994.03	47,928.12	102,671.60	787.50	103,459.10	--
01-Feb-18	915,000.00	23,050.00	9,580.51	2,397.37	11,072.12	686.25	11,758.37	115,217.47
01-Aug-18	915,000.00	163,050.00	9,580.51	47,928.12	105,541.37	686.25	106,227.62	--
01-Feb-19	775,000.00	19,375.00	8,114.64	2,397.37	8,862.99	581.25	9,444.24	115,671.86
01-Aug-19	775,000.00	164,375.00	8,114.64	47,928.12	108,332.24	581.25	108,913.49	--
01-Feb-20	630,000.00	15,750.00	6,596.42	2,397.37	6,756.21	472.50	7,228.71	116,142.20
01-Aug-20	630,000.00	165,750.00	6,596.42	47,928.12	111,225.46	472.50	111,697.96	--
01-Feb-21	480,000.00	12,000.00	5,025.84	2,397.37	4,576.79	360.00	4,936.79	116,634.75
01-Aug-21	480,000.00	167,000.00	5,025.84	47,928.12	114,046.04	360.00	114,406.04	--
01-Feb-22	325,000.00	8,125.00	3,402.91	2,397.37	2,324.72	243.75	2,568.47	116,974.51
01-Aug-22	325,000.00	168,125.00	3,402.91	47,928.12	116,793.97	243.75	117,037.72	--
01-Feb-23	165,000.00	4,125.00	1,727.63	2,397.37	0.00	123.75	123.75	117,161.47
01-Aug-23	165,000.00	169,125.00	1,727.63	47,928.12	119,469.25	123.75	119,593.00	--
01-Feb-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	119,593.00
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	--
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	--
		$3,898,191.68	$586,025.38	$1,006,509.86	$2,305,656.50	$41,976.89	$2,347,633.39	$2,347,633.39

erage Annual Net Debt Service: $116,824.26

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 9
Essex
00-52
Final Loan Structuring Analysis

AMENDED SCHEDULE C

Net Borrower Savings due to 2006 Refunding:	76,675.64
G.E.	50.00%

Schedule of Loan Repayments

Initial Loan Obligation:	4,895,580.00

	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	117,807.86	117,807.86	51,259.17	5,174.06	56,433.23	0.00	61,374.63	61,374.63
01-Aug-07	230,610.00	113,740.98	344,350.98	51,259.17	104,719.96	155,979.13	188,371.85	0.00	188,371.85
01-Feb-08	0.00	111,434.88	111,434.88	48,844.57	3,168.90	52,013.47	0.00	59,421.41	59,421.41
01-Aug-08	231,086.00	111,434.88	342,520.88	48,844.57	104,719.96	153,564.53	188,956.35	0.00	188,956.35
01-Feb-09	0.00	108,777.39	108,777.39	46,424.98	3,168.90	49,593.88	0.00	59,183.51	59,183.51
01-Aug-09	235,095.00	108,777.39	343,872.39	46,424.98	104,719.96	151,144.94	192,727.45	0.00	192,727.45
01-Feb-10	0.00	102,900.01	102,900.01	43,963.42	3,168.90	47,132.32	0.00	55,767.69	55,767.69
01-Aug-10	239,960.00	102,900.01	342,860.01	43,963.42	104,719.96	148,683.38	194,176.63	0.00	194,176.63
01-Feb-11	0.00	99,300.61	99,300.61	41,450.92	3,168.90	44,619.82	0.00	54,680.79	54,680.79
01-Aug-11	245,600.00	99,300.61	344,900.61	41,450.92	104,719.96	146,170.88	198,729.73	0.00	198,729.73
01-Feb-12	0.00	92,546.61	92,546.61	38,879.36	3,168.90	42,048.26	0.00	50,498.35	50,498.35
01-Aug-12	254,502.00	92,546.61	347,048.61	38,879.36	104,719.96	143,599.33	203,449.29	0.00	203,449.29
01-Feb-13	0.00	85,547.81	85,547.81	36,214.60	3,168.90	39,383.50	0.00	46,164.31	46,164.31
01-Aug-13	263,727.00	85,547.81	349,274.81	36,214.60	104,719.96	140,934.56	208,340.25	0.00	208,340.25
01-Feb-14	0.00	78,295.31	78,295.31	33,453.25	3,168.90	36,622.15	0.00	41,673.16	41,673.16
01-Aug-14	275,000.00	78,295.31	353,295.31	33,453.25	104,719.96	138,173.21	215,122.10	0.00	215,122.10
01-Feb-15	0.00	70,732.81	70,732.81	30,573.86	3,168.90	33,742.76	0.00	36,990.05	36,990.05
01-Aug-15	285,000.00	70,732.81	355,732.81	30,573.86	104,719.96	135,293.82	220,438.99	0.00	220,438.99
01-Feb-16	0.00	62,895.31	62,895.31	27,589.77	3,168.90	30,758.67	0.00	32,136.64	32,136.64
01-Aug-16	295,000.00	62,895.31	357,895.31	27,589.77	104,719.96	132,309.73	225,585.58	0.00	225,585.58
01-Feb-17	0.00	55,151.56	55,151.56	24,500.97	3,168.90	27,669.87	0.00	27,481.69	27,481.69
01-Aug-17	305,000.00	52,246.70	357,246.70	24,500.97	103,267.53	127,768.50	229,478.20	0.00	229,478.20
01-Feb-18	0.00	47,333.69	47,333.69	21,307.47	3,263.09	24,570.56	0.00	22,763.13	22,763.13
01-Aug-18	315,000.00	42,503.72	357,503.72	21,307.47	102,399.17	123,706.63	233,797.09	0.00	233,797.09
01-Feb-19	0.00	39,425.74	39,425.74	18,009.26	3,443.49	21,452.75	0.00	17,972.99	17,972.99
01-Aug-19	325,000.00	36,315.46	361,315.46	18,009.26	103,439.41	121,448.67	239,866.79	0.00	239,866.79
01-Feb-20	0.00	31,356.45	31,356.45	14,606.35	3,471.34	18,077.69	0.00	13,278.76	13,278.76
01-Aug-20	335,000.00	28,498.95	363,498.95	14,606.35	103,593.66	118,200.00	245,298.95	0.00	245,298.95
01-Feb-21	0.00	23,158.43	23,158.43	11,098.73	3,559.84	14,658.57	0.00	8,499.87	8,499.87
01-Aug-21	345,000.00	20,600.64	365,600.64	11,098.73	103,832.00	114,930.73	250,669.91	0.00	250,669.91
01-Feb-22	0.00	14,939.36	14,939.36	7,486.41	3,762.80	11,249.21	0.00	3,690.15	3,690.15
01-Aug-22	355,000.00	10,103.88	365,103.88	7,486.41	103,565.60	111,052.00	254,051.88	0.00	254,051.88
01-Feb-23	0.00	7,661.05	7,661.05	3,769.38	3,891.67	7,661.05	0.00	0.00	0.00
01-Aug-23	360,000.00	0.00	360,000.00	3,769.38	102,638.71	106,408.09	253,591.91	0.00	253,591.91
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
	$4,895,580.00	$2,265,705.97	$7,161,285.97	$998,864.93	$1,828,190.98	$2,827,055.91	$3,742,652.93	$591,577.13	$4,334,230.06

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 9

Essex
00-52

Final Structuring Analysis

Estimated Net Borrower Debt Service

Date	Principal Outstanding	Debt Service [Net of Accrued Interest]	LESS DSRF Earnings @ 4.188200%	LESS Contract Assistance	Estimated Net Debt Service	PLUS Administrative Fee Payable @ 0.075%	Estimated Total Payment	Estimated Total Payment [Fiscal Year ending] 30-Jun
06-Nov-03								
01-Feb-04	$5,569,739.00	$60,450.15	27,539.03	$5,230.62	$27,680.50	$1,972.62	$29,653.12	$29,653.12
01-Aug-04	5,569,739.00	351,565.09	58,317.95	106,781.68	186,465.46	4,177.30	190,642.76	--
01-Feb-05	5,346,186.00	125,776.56	55,977.24	5,230.62	64,568.70	4,009.64	68,578.34	259,221.10
01-Aug-05	5,346,186.00	349,310.56	55,977.24	106,781.68	186,551.64	4,009.64	190,561.28	--
01-Feb-06	5,122,652.00	123,541.22	53,636.73	5,230.62	64,673.87	3,841.99	68,515.86	259,077.14
01-Aug-06	5,122,652.00	350,613.22	53,636.73	106,781.68	190,194.81	3,841.99	194,036.80	--
01-Feb-07	4,895,580.00	117,864.42	51,259.17	5,230.62	61,374.63	3,671.69	65,046.32	259,083.12
01-Aug-07	4,895,580.00	348,474.42	51,259.17	106,781.68	190,433.57	3,671.69	194,105.26	--
01-Feb-08	4,664,970.00	115,558.32	48,844.57	5,230.62	61,483.13	3,498.73	64,981.86	259,087.12
01-Aug-08	4,664,970.00	346,644.32	48,844.57	106,781.68	191,018.07	3,498.73	194,516.80	--
01-Feb-09	4,433,884.00	112,900.83	46,424.98	5,230.62	61,245.23	3,325.41	64,570.64	259,087.44
01-Aug-09	4,433,884.00	347,995.83	46,424.98	106,781.68	194,789.17	3,325.41	198,114.58	--
01-Feb-10	4,198,789.00	107,023.45	43,963.42	5,230.62	57,829.41	3,149.09	60,978.50	259,093.08
01-Aug-10	4,198,789.00	346,983.45	43,963.42	106,781.68	196,238.35	3,149.09	199,387.44	--
01-Feb-11	3,958,829.00	103,424.05	41,450.92	5,230.62	56,742.51	2,969.12	59,711.63	259,099.07
01-Aug-11	3,958,829.00	349,024.05	41,450.92	106,781.68	200,791.45	2,969.12	203,760.57	--
01-Feb-12	3,713,229.00	96,670.05	38,879.36	5,230.62	52,560.07	2,784.92	55,344.99	259,105.56
01-Aug-12	3,713,229.00	351,172.05	38,879.36	106,781.68	205,511.01	2,784.92	208,295.93	--
01-Feb-13	3,458,727.00	89,671.25	36,214.60	5,230.62	48,226.03	2,594.05	50,820.08	259,116.01
01-Aug-13	3,458,727.00	353,398.25	36,214.60	106,781.68	210,401.97	2,594.05	212,996.02	--
01-Feb-14	3,195,000.00	82,418.75	33,453.25	5,230.62	43,734.88	2,396.25	46,131.13	259,127.15
01-Aug-14	3,195,000.00	357,418.75	33,453.25	106,781.68	217,183.82	2,396.25	219,580.07	--
01-Feb-15	2,920,000.00	74,856.25	30,573.86	5,230.62	39,051.77	2,190.00	41,241.77	260,821.84
01-Aug-15	2,920,000.00	359,856.25	30,573.86	106,781.68	222,500.71	2,190.00	224,690.71	--
01-Feb-16	2,635,000.00	67,018.75	27,589.77	5,230.62	34,198.36	1,976.25	36,174.61	260,865.32
01-Aug-16	2,635,000.00	362,018.75	27,589.77	106,781.68	227,647.30	1,976.25	229,623.55	--
01-Feb-17	2,340,000.00	59,275.00	24,500.97	5,230.62	29,543.41	1,755.00	31,298.41	260,921.96
01-Aug-17	2,340,000.00	364,275.00	24,500.97	106,781.68	232,992.35	1,755.00	234,747.35	--
01-Feb-18	2,035,000.00	51,268.75	21,307.47	5,230.62	24,730.66	1,526.25	26,256.91	261,004.26
01-Aug-18	2,035,000.00	366,268.75	21,307.47	106,781.68	238,179.60	1,526.25	239,705.85	--
01-Feb-19	1,720,000.00	43,000.00	18,009.26	5,230.62	19,760.12	1,290.00	21,050.12	260,755.97
01-Aug-19	1,720,000.00	368,000.00	18,009.26	106,781.68	243,209.06	1,290.00	244,499.06	--
01-Feb-20	1,395,000.00	34,875.00	14,606.35	5,230.62	15,038.03	1,046.25	16,084.28	260,583.34
01-Aug-20	1,395,000.00	369,875.00	14,606.35	106,781.68	248,486.97	1,046.25	249,533.22	--
01-Feb-21	1,060,000.00	26,500.00	11,098.73	5,230.62	10,170.65	795.00	10,965.65	260,498.87
01-Aug-21	1,060,000.00	371,500.00	11,098.73	106,781.68	253,619.59	795.00	254,414.59	--
01-Feb-22	715,000.00	17,875.00	7,486.41	5,230.62	5,157.97	536.25	5,694.22	260,108.81
01-Aug-22	715,000.00	372,875.00	7,486.41	106,781.68	258,606.91	536.25	259,143.16	--
01-Feb-23	360,000.00	9,000.00	3,769.38	5,230.62	0.00	270.00	270.00	259,413.16
01-Aug-23	360,000.00	369,000.00	3,769.38	106,781.68	258,448.94	270.00	258,718.94	--
01-Feb-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	258,718.94
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	--
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	--
		$8,675,236.54	$1,303,949.86	$2,240,246.02	$5,131,040.68	$93,401.70	$5,224,442.38	$5,224,442.38

Average Annual Net Debt Service: $259,982.36

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 9

SCHEDULE C

Essex
)-52
.nal Structuring Analysis

Schedule of Loan Repayments

Initial Loan Obligation: $5,569,739.00

Date	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayments		
	Principal	Interest	Total	Equity Earnings	Contract Assistance Payments	Total	Principal	Interest	Total
06-Nov-03									
01-Feb-04	$0.00	$60,450.15	$60,450.15	$27,539.03	$5,230.62	$32,769.65	$0.00	$27,680.50	$27,680.50
01-Aug-04	223,553.00	128,012.09	351,565.09	58,317.95	106,781.68	165,099.63	186,465.46	0.00	186,465.46
01-Feb-05	0.00	125,776.56	125,776.56	55,977.24	5,230.62	61,207.86	0.00	64,568.70	64,568.70
01-Aug-05	223,534.00	125,776.56	349,310.56	55,977.24	106,781.68	162,758.92	186,551.64	0.00	186,551.64
01-Feb-06	0.00	123,541.22	123,541.22	53,636.73	5,230.62	58,867.35	0.00	64,673.87	64,673.87
01-Aug-06	227,072.00	123,541.22	350,613.22	53,636.73	106,781.68	160,418.41	190,194.81	0.00	190,194.81
01-Feb-07	0.00	117,864.42	117,864.42	51,259.17	5,230.62	56,489.79	0.00	61,374.63	61,374.63
01-Aug-07	230,610.00	117,864.42	348,474.42	51,259.17	106,781.68	158,040.85	190,433.57	0.00	190,433.57
01-Feb-08	0.00	115,558.32	115,558.32	48,844.57	5,230.62	54,075.19	0.00	61,483.13	61,483.13
01-Aug-08	231,086.00	115,558.32	346,644.32	48,844.57	106,781.68	155,626.25	191,018.07	0.00	191,018.07
01-Feb-09	0.00	112,900.83	112,900.83	46,424.98	5,230.62	51,655.60	0.00	61,245.23	61,245.23
01-Aug-09	235,095.00	112,900.83	347,995.83	46,424.98	106,781.68	153,206.66	194,789.17	0.00	194,789.17
01-Feb-10	0.00	107,023.45	107,023.45	43,963.42	5,230.62	49,194.04	0.00	57,829.41	57,829.41
01-Aug-10	239,960.00	107,023.45	346,983.45	43,963.42	106,781.68	150,745.10	196,238.35	0.00	196,238.35
01-Feb-11	0.00	103,424.05	103,424.05	41,450.92	5,230.62	46,681.54	0.00	56,742.51	56,742.51
01-Aug-11	245,600.00	103,424.05	349,024.05	41,450.92	106,781.68	148,232.60	200,791.45	0.00	200,791.45
01-Feb-12	0.00	96,670.05	96,670.05	38,879.36	5,230.62	44,109.98	0.00	52,560.07	52,560.07
01-Aug-12	254,502.00	96,670.05	351,172.05	38,879.36	106,781.68	145,661.04	205,511.01	0.00	205,511.01
01-Feb-13	0.00	89,671.25	89,671.25	36,214.60	5,230.62	41,445.22	0.00	48,226.03	48,226.03
01-Aug-13	263,727.00	89,671.25	353,398.25	36,214.60	106,781.68	142,996.28	210,401.97	0.00	210,401.97
01-Feb-14	0.00	82,418.75	82,418.75	33,453.25	5,230.62	38,683.87	0.00	43,734.88	43,734.88
01-Aug-14	275,000.00	82,418.75	357,418.75	33,453.25	106,781.68	140,234.93	217,183.82	0.00	217,183.82
01-Feb-15	0.00	74,856.25	74,856.25	30,573.86	5,230.62	35,804.48	0.00	39,051.77	39,051.77
01-Aug-15	285,000.00	74,856.25	359,856.25	30,573.86	106,781.68	137,355.54	222,500.71	0.00	222,500.71
01-Feb-16	0.00	67,018.75	67,018.75	27,589.77	5,230.62	32,820.39	0.00	34,198.36	34,198.36
01-Aug-16	295,000.00	67,018.75	362,018.75	27,589.77	106,781.68	134,371.45	227,647.30	0.00	227,647.30
01-Feb-17	0.00	59,275.00	59,275.00	24,500.97	5,230.62	29,731.59	0.00	29,543.41	29,543.41
01-Aug-17	305,000.00	59,275.00	364,275.00	24,500.97	106,781.68	131,282.65	232,992.35	0.00	232,992.35
01-Feb-18	0.00	51,268.75	51,268.75	21,307.47	5,230.62	26,538.09	0.00	24,730.66	24,730.66
01-Aug-18	315,000.00	51,268.75	366,268.75	21,307.47	106,781.68	128,089.15	238,179.60	0.00	238,179.60
01-Feb-19	0.00	43,000.00	43,000.00	18,009.26	5,230.62	23,239.88	0.00	19,760.12	19,760.12
01-Aug-19	325,000.00	43,000.00	368,000.00	18,009.26	106,781.68	124,790.94	243,209.06	0.00	243,209.06
01-Feb-20	0.00	34,875.00	34,875.00	14,606.35	5,230.62	19,836.97	0.00	15,038.03	15,038.03
01-Aug-20	335,000.00	34,875.00	369,875.00	14,606.35	106,781.68	121,388.03	248,486.97	0.00	248,486.97
01-Feb-21	0.00	26,500.00	26,500.00	11,098.73	5,230.62	16,329.35	0.00	10,170.65	10,170.65
01-Aug-21	345,000.00	26,500.00	371,500.00	11,098.73	106,781.68	117,880.41	253,619.59	0.00	253,619.59
01-Feb-22	0.00	17,875.00	17,875.00	7,486.41	5,230.62	12,717.03	0.00	5,157.97	5,157.97
01-Aug-22	355,000.00	17,875.00	372,875.00	7,486.41	106,781.68	114,268.09	258,606.91	0.00	258,606.91
01-Feb-23	0.00	9,000.00	9,000.00	3,769.38	5,230.62	9,000.00	0.00	0.00	0.00
01-Aug-23	360,000.00	9,000.00	369,000.00	3,769.38	106,781.68	110,551.06	258,448.94	0.00	258,448.94
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
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
	$5,569,739.00	$3,105,497.54	$8,675,236.54	$1,303,949.86	$2,240,246.02	$3,544,195.88	$4,353,270.73	$777,769.93	$5,131,040.66

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 9
Essex
00-52A
Final Loan Structuring Analysis

AMENDED SCHEDULE C

Net Borrower Savings due to 2006 Refunding:	61,952.94
G.E.	50.00%

Schedule of Loan Repayments

Initial Loan Obligation:	3,961,339.00

	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	95,295.48	95,295.48	41,477.20	4,167.86	45,645.06	0.00	49,650.42	49,650.42
01-Aug-07	187,331.00	92,010.41	279,341.41	41,477.20	84,797.13	126,274.33	153,067.07	0.00	153,067.07
01-Feb-08	0.00	90,137.10	90,137.10	39,515.75	2,548.17	42,063.92	0.00	48,073.18	48,073.18
01-Aug-08	187,718.00	90,137.10	277,855.10	39,515.75	84,797.13	124,312.88	153,542.21	0.00	153,542.21
01-Feb-09	0.00	87,978.35	87,978.35	37,550.25	2,548.17	40,098.42	0.00	47,879.93	47,879.93
01-Aug-09	190,969.00	87,978.35	278,947.35	37,550.25	84,797.13	122,347.38	156,599.96	0.00	156,599.96
01-Feb-10	0.00	83,204.12	83,204.12	35,550.71	2,548.17	38,098.88	0.00	45,105.24	45,105.24
01-Aug-10	194,916.00	83,204.12	278,120.12	35,550.71	84,797.13	120,347.84	157,772.28	0.00	157,772.28
01-Feb-11	0.00	80,280.38	80,280.38	33,509.84	2,548.17	36,058.01	0.00	44,222.37	44,222.37
01-Aug-11	199,492.00	80,280.38	279,772.38	33,509.84	84,797.13	118,306.97	161,465.40	0.00	161,465.40
01-Feb-12	0.00	74,794.35	74,794.35	31,421.06	2,548.17	33,969.23	0.00	40,825.12	40,825.12
01-Aug-12	206,715.00	74,794.35	281,509.35	31,421.06	84,797.13	116,218.19	165,291.15	0.00	165,291.15
01-Feb-13	0.00	69,109.69	69,109.69	29,256.65	2,548.17	31,804.82	0.00	37,304.87	37,304.87
01-Aug-13	214,198.00	69,109.69	283,307.69	29,256.65	84,797.13	114,053.78	169,253.90	0.00	169,253.90
01-Feb-14	0.00	63,219.24	63,219.24	27,013.89	2,548.17	29,562.06	0.00	33,657.18	33,657.18
01-Aug-14	220,000.00	63,219.24	283,219.24	27,013.89	84,797.13	111,811.02	171,408.21	0.00	171,408.21
01-Feb-15	0.00	57,169.24	57,169.24	24,710.38	2,548.17	27,258.55	0.00	29,910.69	29,910.69
01-Aug-15	230,000.00	57,169.24	287,169.24	24,710.38	84,797.13	109,507.51	177,661.72	0.00	177,661.72
01-Feb-16	0.00	50,844.24	50,844.24	22,302.17	2,548.17	24,850.33	0.00	25,993.90	25,993.90
01-Aug-16	240,000.00	50,844.24	290,844.24	22,302.17	84,797.13	107,099.30	183,744.94	0.00	183,744.94
01-Feb-17	0.00	44,544.24	44,544.24	19,789.25	2,548.17	22,337.41	0.00	22,206.82	22,206.82
01-Aug-17	245,000.00	42,223.94	287,223.94	19,789.25	83,636.99	103,426.23	183,797.71	0.00	183,797.71
01-Feb-18	0.00	38,262.57	38,262.57	17,223.97	2,622.96	19,846.93	0.00	18,415.64	18,415.64
01-Aug-18	255,000.00	34,349.57	289,349.57	17,223.97	82,915.42	100,139.40	189,210.17	0.00	189,210.17
01-Feb-19	0.00	31,861.28	31,861.28	14,554.00	2,769.19	17,323.19	0.00	14,538.10	14,538.10
01-Aug-19	260,000.00	29,395.77	289,395.77	14,554.00	83,785.40	98,339.39	191,056.37	0.00	191,056.37
01-Feb-20	0.00	25,399.86	25,399.86	11,831.67	2,788.48	14,620.15	0.00	10,779.72	10,779.72
01-Aug-20	270,000.00	23,108.60	293,108.60	11,831.67	83,891.81	95,723.48	197,385.12	0.00	197,385.12
01-Feb-21	0.00	18,789.08	18,789.08	9,004.63	2,858.09	11,862.72	0.00	6,926.36	6,926.36
01-Aug-21	280,000.00	16,712.25	296,712.25	9,004.63	84,068.64	93,073.27	203,638.98	0.00	203,638.98
01-Feb-22	0.00	12,118.84	12,118.84	6,072.89	3,022.97	9,095.86	0.00	3,022.98	3,022.98
01-Aug-22	290,000.00	8,153.94	298,153.94	6,072.89	83,828.78	89,901.67	208,252.27	0.00	208,252.27
01-Feb-23	0.00	6,171.41	6,171.41	3,036.45	3,134.96	6,171.40	0.00	0.00	0.00
01-Aug-23	290,000.00	0.00	290,000.00	3,036.45	83,125.12	86,161.57	203,838.43	0.00	203,838.43
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
	$3,961,339.00	$1,831,870.60	$5,793,209.60	$807,641.47	$1,480,069.69	$2,287,711.17	$3,026,985.92	$478,512.50	$3,505,498.43

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 9

SCHEDULE C

Essex
00-52A

Final Structuring Analysis

Schedule of Loan Repayments

Initial Loan Obligation:	$4,508,994.00

	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayments		
Date	Principal	Interest	Total	Equity Earnings	Contract Assistance Payments	Total	Principal	Interest	Total
06-Nov-03									
01-Feb-04	$0.00	$48,914.95	$48,914.95	$22,294.28	$4,213.55	$26,507.83	$0.00	$22,407.12	$22,407.12
01-Aug-04	181,606.00	103,584.59	285,190.59	47,211.42	86,462.51	133,673.93	151,516.66	0.00	151,516.66
01-Feb-05	0.00	101,768.53	101,768.53	45,309.92	4,213.55	49,523.47	0.00	52,245.06	52,245.06
01-Aug-05	181,591.00	101,768.53	283,359.53	45,309.92	86,462.51	131,772.43	151,587.10	0.00	151,587.10
01-Feb-06	0.00	99,952.62	99,952.62	43,408.57	4,213.55	47,622.12	0.00	52,330.50	52,330.50
01-Aug-06	184,458.00	99,952.62	284,410.62	43,408.57	86,462.51	129,871.08	154,539.54	0.00	154,539.54
01-Feb-07	0.00	95,341.17	95,341.17	41,477.20	4,213.55	45,690.75	0.00	49,650.42	49,650.42
01-Aug-07	187,331.00	95,341.17	282,672.17	41,477.20	86,462.51	127,939.71	154,732.46	0.00	154,732.46
01-Feb-08	0.00	93,467.86	93,467.86	39,515.75	4,213.55	43,729.30	0.00	49,738.56	49,738.56
01-Aug-08	187,718.00	93,467.86	281,185.86	39,515.75	86,462.51	125,978.26	155,207.60	0.00	155,207.60
01-Feb-09	0.00	91,309.11	91,309.11	37,550.25	4,213.55	41,763.80	0.00	49,545.31	49,545.31
01-Aug-09	190,969.00	91,309.11	282,278.11	37,550.25	86,462.51	124,012.76	158,265.35	0.00	158,265.35
01-Feb-10	0.00	86,534.88	86,534.88	35,550.71	4,213.55	39,764.26	0.00	46,770.62	46,770.62
01-Aug-10	194,916.00	86,534.88	281,450.88	35,550.71	86,462.51	122,013.22	159,437.66	0.00	159,437.66
01-Feb-11	0.00	83,611.14	83,611.14	33,509.84	4,213.55	37,723.39	0.00	45,887.75	45,887.75
01-Aug-11	199,492.00	83,611.14	283,103.14	33,509.84	86,462.51	119,972.35	163,130.79	0.00	163,130.79
01-Feb-12	0.00	78,125.11	78,125.11	31,421.06	4,213.55	35,634.61	0.00	42,490.50	42,490.50
01-Aug-12	206,715.00	78,125.11	284,840.11	31,421.06	86,462.51	117,883.57	166,956.54	0.00	166,956.54
01-Feb-13	0.00	72,440.45	72,440.45	29,256.65	4,213.55	33,470.20	0.00	38,970.25	38,970.25
01-Aug-13	214,198.00	72,440.45	286,638.45	29,256.65	86,462.51	115,719.16	170,919.29	0.00	170,919.29
01-Feb-14	0.00	66,550.00	66,550.00	27,013.89	4,213.55	31,227.44	0.00	35,322.56	35,322.56
01-Aug-14	220,000.00	66,550.00	286,550.00	27,013.89	86,462.51	113,476.40	173,073.60	0.00	173,073.60
01-Feb-15	0.00	60,500.00	60,500.00	24,710.38	4,213.55	28,923.93	0.00	31,576.07	31,576.07
01-Aug-15	230,000.00	60,500.00	290,500.00	24,710.38	86,462.51	111,172.89	179,327.11	0.00	179,327.11
01-Feb-16	0.00	54,175.00	54,175.00	22,302.17	4,213.55	26,515.72	0.00	27,659.28	27,659.28
01-Aug-16	240,000.00	54,175.00	294,175.00	22,302.17	86,462.51	108,764.68	185,410.32	0.00	185,410.32
01-Feb-17	0.00	47,875.00	47,875.00	19,789.25	4,213.55	24,002.80	0.00	23,872.20	23,872.20
01-Aug-17	245,000.00	47,875.00	292,875.00	19,789.25	86,462.51	106,251.76	186,623.24	0.00	186,623.24
01-Feb-18	0.00	41,443.75	41,443.75	17,223.97	4,213.55	21,437.52	0.00	20,006.23	20,006.23
01-Aug-18	255,000.00	41,443.75	296,443.75	17,223.97	86,462.51	103,686.48	192,757.27	0.00	192,757.27
01-Feb-19	0.00	34,750.00	34,750.00	14,554.00	4,213.55	18,767.55	0.00	15,982.45	15,982.45
01-Aug-19	260,000.00	34,750.00	294,750.00	14,554.00	86,462.51	101,016.51	193,733.49	0.00	193,733.49
01-Feb-20	0.00	28,250.00	28,250.00	11,831.67	4,213.55	16,045.22	0.00	12,204.78	12,204.78
01-Aug-20	270,000.00	28,250.00	298,250.00	11,831.67	86,462.51	98,294.18	199,955.82	0.00	199,955.82
01-Feb-21	0.00	21,500.00	21,500.00	9,004.63	4,213.55	13,218.18	0.00	8,281.82	8,281.82
01-Aug-21	280,000.00	21,500.00	301,500.00	9,004.63	86,462.51	95,467.14	206,032.86	0.00	206,032.86
01-Feb-22	0.00	14,500.00	14,500.00	6,072.89	4,213.55	10,286.44	0.00	4,213.56	4,213.56
01-Aug-22	290,000.00	14,500.00	304,500.00	6,072.89	86,462.51	92,535.40	211,964.60	0.00	211,964.60
01-Feb-23	0.00	7,250.00	7,250.00	3,036.45	4,213.55	7,250.00	0.00	0.00	0.00
01-Aug-23	290,000.00	7,250.00	297,250.00	3,036.45	86,462.51	89,498.96	207,751.04	0.00	207,751.04
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
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
	$4,508,994.00	$2,511,188.78	$7,020,182.78	$1,054,584.20	$1,813,521.29	$2,868,105.49	$3,522,922.25	$629,155.04	$4,152,077.29

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 9

Essex
00-52A

Final Structuring Analysis

Estimated Net Borrower Debt Service

Date	Principal Outstanding	Debt Service [Net of Accrued Interest]	LESS DSRF Earnings @ 4.188200%	LESS Contract Assistance	Estimated Net Debt Service	PLUS Administrative Fee Payable @ 0.075%	Estimated Total Payment	Estimated Total Payment [Fiscal Year ending] 30-Jun
06-Nov-03								
01-Feb-04	$4,508,994.00	$48,914.95	22,294.28	$4,213.55	$22,407.12	$1,596.94	$24,004.06	$24,004.06
01-Aug-04	4,508,994.00	285,190.59	47,211.42	86,462.51	151,516.66	3,381.75	154,898.41	--
01-Feb-05	4,327,388.00	101,768.53	45,309.92	4,213.55	52,245.06	3,245.54	55,490.60	210,389.01
01-Aug-05	4,327,388.00	283,359.53	45,309.92	86,462.51	151,587.10	3,245.54	154,832.64	--
01-Feb-06	4,145,797.00	99,952.62	43,408.57	4,213.55	52,330.50	3,109.35	55,439.85	210,272.49
01-Aug-06	4,145,797.00	284,410.62	43,408.57	86,462.51	154,539.54	3,109.35	157,648.89	--
01-Feb-07	3,961,339.00	95,341.17	41,477.20	4,213.55	49,650.42	2,971.00	52,621.42	210,270.31
01-Aug-07	3,961,339.00	282,672.17	41,477.20	86,462.51	154,732.46	2,971.00	157,703.46	--
01-Feb-08	3,774,008.00	93,467.86	39,515.75	4,213.55	49,738.56	2,830.51	52,569.07	210,272.53
01-Aug-08	3,774,008.00	281,185.86	39,515.75	86,462.51	155,207.60	2,830.51	158,038.11	--
01-Feb-09	3,586,290.00	91,309.11	37,550.25	4,213.55	49,545.31	2,689.72	52,235.03	210,273.14
01-Aug-09	3,586,290.00	282,278.11	37,550.25	86,462.51	158,265.35	2,689.72	160,955.07	--
01-Feb-10	3,395,321.00	86,534.88	35,550.71	4,213.55	46,770.62	2,546.49	49,317.11	210,272.18
01-Aug-10	3,395,321.00	281,450.88	35,550.71	86,462.51	159,437.66	2,546.49	161,984.15	--
01-Feb-11	3,200,405.00	83,611.14	33,509.84	4,213.55	45,887.75	2,400.30	48,288.05	210,272.20
01-Aug-11	3,200,405.00	283,103.14	33,509.84	86,462.51	163,130.79	2,400.30	165,531.09	--
01-Feb-12	3,000,913.00	78,125.11	31,421.06	4,213.55	42,490.50	2,250.68	44,741.18	210,272.27
01-Aug-12	3,000,913.00	284,840.11	31,421.06	86,462.51	166,956.54	2,250.68	169,207.22	--
01-Feb-13	2,794,198.00	72,440.45	29,256.65	4,213.55	38,970.25	2,095.65	41,065.90	210,273.12
01-Aug-13	2,794,198.00	286,638.45	29,256.65	86,462.51	170,919.29	2,095.65	173,014.94	--
01-Feb-14	2,580,000.00	66,550.00	27,013.89	4,213.55	35,322.56	1,935.00	37,257.56	210,272.50
01-Aug-14	2,580,000.00	286,550.00	27,013.89	86,462.51	173,073.60	1,935.00	175,008.60	--
01-Feb-15	2,360,000.00	60,500.00	24,710.38	4,213.55	31,576.07	1,770.00	33,346.07	208,354.67
01-Aug-15	2,360,000.00	290,500.00	24,710.38	86,462.51	179,327.11	1,770.00	181,097.11	--
01-Feb-16	2,130,000.00	54,175.00	22,302.17	4,213.55	27,659.28	1,597.50	29,256.78	210,353.89
01-Aug-16	2,130,000.00	294,175.00	22,302.17	86,462.51	185,410.32	1,597.50	187,007.82	--
01-Feb-17	1,890,000.00	47,875.00	19,789.25	4,213.55	23,872.20	1,417.50	25,289.70	212,297.52
01-Aug-17	1,890,000.00	292,875.00	19,789.25	86,462.51	186,623.24	1,417.50	188,040.74	--
01-Feb-18	1,645,000.00	41,443.75	17,223.97	4,213.55	20,006.23	1,233.75	21,239.98	209,280.72
01-Aug-18	1,645,000.00	296,443.75	17,223.97	86,462.51	192,757.27	1,233.75	193,991.02	--
01-Feb-19	1,390,000.00	34,750.00	14,554.00	4,213.55	15,982.45	1,042.50	17,024.95	211,015.97
01-Aug-19	1,390,000.00	294,750.00	14,554.00	86,462.51	193,733.49	1,042.50	194,775.99	--
01-Feb-20	1,130,000.00	28,250.00	11,831.67	4,213.55	12,204.78	847.50	13,052.28	207,828.27
01-Aug-20	1,130,000.00	298,250.00	11,831.67	86,462.51	199,955.82	847.50	200,803.32	--
01-Feb-21	860,000.00	21,500.00	9,004.63	4,213.55	8,281.82	645.00	8,926.82	209,730.14
01-Aug-21	860,000.00	301,500.00	9,004.63	86,462.51	206,032.86	645.00	206,677.86	--
01-Feb-22	580,000.00	14,500.00	6,072.89	4,213.55	4,213.56	435.00	4,648.56	211,326.42
01-Aug-22	580,000.00	304,500.00	6,072.89	86,462.51	211,964.60	435.00	212,399.60	--
01-Feb-23	290,000.00	7,250.00	3,036.45	4,213.55	0.00	217.50	217.50	212,617.10
01-Aug-23	290,000.00	297,250.00	3,036.45	86,462.51	207,751.04	217.50	207,968.54	--
01-Feb-24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	207,968.54
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	--
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	--
		$7,020,182.78	$1,054,584.20	$1,813,521.29	$4,152,077.38	$75,539.67	$4,227,617.05	$4,227,617.05

Average Annual Net Debt Service:	$210,379.71

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

SCHEDULE C

Essex 3rd	Loan Interest Rate	0.00%
T5-97-1187-2		

Final Structuring Analysis

Schedule of Loan Repayments

Initial Loan Obligation:	$200,000.00

	Schedule of Loan Repayments			Admin. Fee	Loan	Total
Date	Principal	Interest	Total	0.00000%	Origination Fee	Due
16-Nov-05						
15-Jul-06	$10,000.00	$0.00	$10,000.00	$0.00	0.00	$10,000.00
15-Jan-07	0.00	0.00	0.00	0.00		0.00
15-Jul-07	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-08	0.00	0.00	0.00	0.00		0.00
15-Jul-08	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-09	0.00	0.00	0.00	0.00		0.00
15-Jul-09	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-10	0.00	0.00	0.00	0.00		0.00
15-Jul-10	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-11	0.00	0.00	0.00	0.00		0.00
15-Jul-11	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-12	0.00	0.00	0.00	0.00		0.00
15-Jul-12	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-13	0.00	0.00	0.00	0.00		0.00
15-Jul-13	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-14	0.00	0.00	0.00	0.00		0.00
15-Jul-14	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-15	0.00	0.00	0.00	0.00		0.00
15-Jul-15	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-16	0.00	0.00	0.00	0.00		0.00
15-Jul-16	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-17	0.00	0.00	0.00	0.00		0.00
15-Jul-17	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-18	0.00	0.00	0.00	0.00		0.00
15-Jul-18	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-19	0.00	0.00	0.00	0.00		0.00
15-Jul-19	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-20	0.00	0.00	0.00	0.00		0.00
15-Jul-20	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-21	0.00	0.00	0.00	0.00		0.00
15-Jul-21	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-22	0.00	0.00	0.00	0.00		0.00
15-Jul-22	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-23	0.00	0.00	0.00	0.00		0.00
15-Jul-23	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-24	0.00	0.00	0.00	0.00		0.00
15-Jul-24	10,000.00	0.00	10,000.00	0.00		10,000.00
15-Jan-25	0.00	0.00	0.00	0.00		0.00
15-Jul-25	10,000.00	0.00	10,000.00	0.00		10,000.00
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
	$200,000.00	$0.00	$200,000.00	$0.00	$0.00	$200,000.00

Massachusetts Water Pollution Abatement Trust

SCHEDULE C

Water Pollution Abatement and Drinking Water Revenue Bonds

(Pool Program Bonds)

Pool Program Bonds, Pool 11

Essex 3rd
T5-97-1187-2

Final Structuring Analysis

Loan Interest Rate	0.00%

Schedule of Loan Repayments

Initial Loan Obligation:	$200,000.00

	Schedule of Loan Repayments			Admin. Fee	Loan	Total
Date	Principal	Interest	Total	0.07500%	Origination Fee	Due
16-Nov-05						
15-Jul-06	$10,000.00	$0.00	$10,000.00	$150.00	0.00	$10,150.00
15-Jan-07	0.00	0.00	0.00	142.50		142.50
15-Jul-07	10,000.00	0.00	10,000.00	142.50		10,142.50
15-Jan-08	0.00	0.00	0.00	135.00		135.00
15-Jul-08	10,000.00	0.00	10,000.00	135.00		10,135.00
15-Jan-09	0.00	0.00	0.00	127.50		127.50
15-Jul-09	10,000.00	0.00	10,000.00	127.50		10,127.50
15-Jan-10	0.00	0.00	0.00	120.00		120.00
15-Jul-10	10,000.00	0.00	10,000.00	120.00		10,120.00
15-Jan-11	0.00	0.00	0.00	112.50		112.50
15-Jul-11	10,000.00	0.00	10,000.00	112.50		10,112.50
15-Jan-12	0.00	0.00	0.00	105.00		105.00
15-Jul-12	10,000.00	0.00	10,000.00	105.00		10,105.00
15-Jan-13	0.00	0.00	0.00	97.50		97.50
15-Jul-13	10,000.00	0.00	10,000.00	97.50		10,097.50
15-Jan-14	0.00	0.00	0.00	90.00		90.00
15-Jul-14	10,000.00	0.00	10,000.00	90.00		10,090.00
15-Jan-15	0.00	0.00	0.00	82.50		82.50
15-Jul-15	10,000.00	0.00	10,000.00	82.50		10,082.50
15-Jan-16	0.00	0.00	0.00	75.00		75.00
15-Jul-16	10,000.00	0.00	10,000.00	75.00		10,075.00
15-Jan-17	0.00	0.00	0.00	67.50		67.50
15-Jul-17	10,000.00	0.00	10,000.00	67.50		10,067.50
15-Jan-18	0.00	0.00	0.00	60.00		60.00
15-Jul-18	10,000.00	0.00	10,000.00	60.00		10,060.00
15-Jan-19	0.00	0.00	0.00	52.50		52.50
15-Jul-19	10,000.00	0.00	10,000.00	52.50		10,052.50
15-Jan-20	0.00	0.00	0.00	45.00		45.00
15-Jul-20	10,000.00	0.00	10,000.00	45.00		10,045.00
15-Jan-21	0.00	0.00	0.00	37.50		37.50
15-Jul-21	10,000.00	0.00	10,000.00	37.50		10,037.50
15-Jan-22	0.00	0.00	0.00	30.00		30.00
15-Jul-22	10,000.00	0.00	10,000.00	30.00		10,030.00
15-Jan-23	0.00	0.00	0.00	22.50		22.50
15-Jul-23	10,000.00	0.00	10,000.00	22.50		10,022.50
15-Jan-24	0.00	0.00	0.00	15.00		15.00
15-Jul-24	10,000.00	0.00	10,000.00	15.00		10,015.00
15-Jan-25	0.00	0.00	0.00	7.50		7.50
15-Jul-25	10,000.00	0.00	10,000.00	7.50		10,007.50
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
	$200,000.00	$0.00	$200,000.00	$3,000.00	$0.00	$203,000.00

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

SCHEDULE C

Essex
CW-01-02

Loan Interest Rate	0.00%

Final Structuring Analysis

Schedule of Loan Repayments

Initial Loan Obligation:	$9,649,728.00

	Schedule of Loan Repayments			Admin. Fee	Loan	Total
Date	Principal	Interest	Total	0.07500%	Origination Fee	Due
16-Nov-05						
15-Jul-06	$482,486.00	$0.00	$482,486.00	$7,237.30	58,863.34	$548,586.64
15-Jan-07	0.00	0.00	0.00	6,875.43		6,875.43
15-Jul-07	482,486.00	0.00	482,486.00	6,875.43		489,361.43
15-Jan-08	0.00	0.00	0.00	6,513.57		6,513.57
15-Jul-08	482,486.00	0.00	482,486.00	6,513.57		488,999.57
15-Jan-09	0.00	0.00	0.00	6,151.70		6,151.70
15-Jul-09	482,486.00	0.00	482,486.00	6,151.70		488,637.70
15-Jan-10	0.00	0.00	0.00	5,789.84		5,789.84
15-Jul-10	482,486.00	0.00	482,486.00	5,789.84		488,275.84
15-Jan-11	0.00	0.00	0.00	5,427.97		5,427.97
15-Jul-11	482,486.00	0.00	482,486.00	5,427.97		487,913.97
15-Jan-12	0.00	0.00	0.00	5,066.11		5,066.11
15-Jul-12	482,486.00	0.00	482,486.00	5,066.11		487,552.11
15-Jan-13	0.00	0.00	0.00	4,704.24		4,704.24
15-Jul-13	482,486.00	0.00	482,486.00	4,704.24		487,190.24
15-Jan-14	0.00	0.00	0.00	4,342.38		4,342.38
15-Jul-14	482,486.00	0.00	482,486.00	4,342.38		486,828.38
15-Jan-15	0.00	0.00	0.00	3,980.52		3,980.52
15-Jul-15	482,486.00	0.00	482,486.00	3,980.52		486,466.52
15-Jan-16	0.00	0.00	0.00	3,618.65		3,618.65
15-Jul-16	482,486.00	0.00	482,486.00	3,618.65		486,104.65
15-Jan-17	0.00	0.00	0.00	3,256.79		3,256.79
15-Jul-17	482,486.00	0.00	482,486.00	3,256.79		485,742.79
15-Jan-18	0.00	0.00	0.00	2,894.92		2,894.92
15-Jul-18	482,487.00	0.00	482,487.00	2,894.92		485,381.92
15-Jan-19	0.00	0.00	0.00	2,533.06		2,533.06
15-Jul-19	482,487.00	0.00	482,487.00	2,533.06		485,020.06
15-Jan-20	0.00	0.00	0.00	2,171.19		2,171.19
15-Jul-20	482,487.00	0.00	482,487.00	2,171.19		484,658.19
15-Jan-21	0.00	0.00	0.00	1,809.33		1,809.33
15-Jul-21	482,487.00	0.00	482,487.00	1,809.33		484,296.33
15-Jan-22	0.00	0.00	0.00	1,447.46		1,447.46
15-Jul-22	482,487.00	0.00	482,487.00	1,447.46		483,934.46
15-Jan-23	0.00	0.00	0.00	1,085.60		1,085.60
15-Jul-23	482,487.00	0.00	482,487.00	1,085.60		483,572.60
15-Jan-24	0.00	0.00	0.00	723.73		723.73
15-Jul-24	482,487.00	0.00	482,487.00	723.73		483,210.73
15-Jan-25	0.00	0.00	0.00	361.87		361.87
15-Jul-25	482,487.00	0.00	482,487.00	361.87		482,848.87
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
	$9,649,728.00	$0.00	$9,649,728.00	$144,746.02	$58,863.34	$9,853,337.36

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

SCHEDULE C

Essex
CW-01-02C
Final Structuring Analysis

Loan Interest Rate 0.00%

Schedule of Loan Repayments

Initial Loan Obligation: $1,115,413.00

Date	Schedule of Loan Repayments Principal	Interest	Total	Admin. Fee 0.0750%	Loan Origination Fee	Total Due
14-Dec-06						
15-Jul-07	$55,771.00	$0.00	$55,771.00	$836.56	6,254.55	$62,862.11
15-Jan-08	0.00	0.00	0.00	794.73		794.73
15-Jul-08	55,771.00	0.00	55,771.00	794.73		56,565.73
15-Jan-09	0.00	0.00	0.00	752.90		752.90
15-Jul-09	55,771.00	0.00	55,771.00	752.90		56,523.90
15-Jan-10	0.00	0.00	0.00	711.08		711.08
15-Jul-10	55,771.00	0.00	55,771.00	711.08		56,482.08
15-Jan-11	0.00	0.00	0.00	669.25		669.25
15-Jul-11	55,771.00	0.00	55,771.00	669.25		56,440.25
15-Jan-12	0.00	0.00	0.00	627.42		627.42
15-Jul-12	55,771.00	0.00	55,771.00	627.42		56,398.42
15-Jan-13	0.00	0.00	0.00	585.59		585.59
15-Jul-13	55,771.00	0.00	55,771.00	585.59		56,356.59
15-Jan-14	0.00	0.00	0.00	543.76		543.76
15-Jul-14	55,771.00	0.00	55,771.00	543.76		56,314.76
15-Jan-15	0.00	0.00	0.00	501.93		501.93
15-Jul-15	55,771.00	0.00	55,771.00	501.93		56,272.93
15-Jan-16	0.00	0.00	0.00	460.11		460.11
15-Jul-16	55,771.00	0.00	55,771.00	460.11		56,231.11
15-Jan-17	0.00	0.00	0.00	418.28		418.28
15-Jul-17	55,771.00	0.00	55,771.00	418.28		56,189.28
15-Jan-18	0.00	0.00	0.00	376.45		376.45
15-Jul-18	55,771.00	0.00	55,771.00	376.45		56,147.45
15-Jan-19	0.00	0.00	0.00	334.62		334.62
15-Jul-19	55,771.00	0.00	55,771.00	334.62		56,105.62
15-Jan-20	0.00	0.00	0.00	292.79		292.79
15-Jul-20	55,770.00	0.00	55,770.00	292.79		56,062.79
15-Jan-21	0.00	0.00	0.00	250.97		250.97
15-Jul-21	55,770.00	0.00	55,770.00	250.97		56,020.97
15-Jan-22	0.00	0.00	0.00	209.14		209.14
15-Jul-22	55,770.00	0.00	55,770.00	209.14		55,979.14
15-Jan-23	0.00	0.00	0.00	167.31		167.31
15-Jul-23	55,770.00	0.00	55,770.00	167.31		55,937.31
15-Jan-24	0.00	0.00	0.00	125.48		125.48
15-Jul-24	55,770.00	0.00	55,770.00	125.48		55,895.48
15-Jan-25	0.00	0.00	0.00	83.66		83.66
15-Jul-25	55,770.00	0.00	55,770.00	83.66		55,853.66
15-Jan-26	0.00	0.00	0.00	41.83		41.83
15-Jul-26	55,770.00	0.00	55,770.00	41.83		55,811.83
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
	$1,115,413.00	$0.00	$1,115,413.00	$16,731.16	$6,254.55	$1,138,398.71

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 13

SCHEDULE C

Essex
T5-97-1187-3C

Final Structuring Analysis

Loan Interest Rate	0.00%

Schedule of Loan Repayments

Initial Loan Obligation:	$177,953.00

	Schedule of Loan Repayments			Admin. Fee	Loan	Total
Date	Principal	Interest	Total	0	Origination Fee	Due
18-Dec-07						
15-Jul-08	$8,898.00	$0.00	$8,898.00	$0.00	0.00	$8,898.00
15-Jan-09	0.00	0.00	0.00	0.00		0.00
15-Jul-09	8,898.00	0.00	8,898.00	0.00		8,898.00
15-Jan-10	0.00	0.00	0.00	0.00		0.00
15-Jul-10	8,898.00	0.00	8,898.00	0.00		8,898.00
15-Jan-11	0.00	0.00	0.00	0.00		0.00
15-Jul-11	8,898.00	0.00	8,898.00	0.00		8,898.00
15-Jan-12	0.00	0.00	0.00	0.00		0.00
15-Jul-12	8,898.00	0.00	8,898.00	0.00		8,898.00
15-Jan-13	0.00	0.00	0.00	0.00		0.00
15-Jul-13	8,898.00	0.00	8,898.00	0.00		8,898.00
15-Jan-14	0.00	0.00	0.00	0.00		0.00
15-Jul-14	8,898.00	0.00	8,898.00	0.00		8,898.00
15-Jan-15	0.00	0.00	0.00	0.00		0.00
15-Jul-15	8,898.00	0.00	8,898.00	0.00		8,898.00
15-Jan-16	0.00	0.00	0.00	0.00		0.00
15-Jul-16	8,898.00	0.00	8,898.00	0.00		8,898.00
15-Jan-17	0.00	0.00	0.00	0.00		0.00
15-Jul-17	8,898.00	0.00	8,898.00	0.00		8,898.00
15-Jan-18	0.00	0.00	0.00	0.00		0.00
15-Jul-18	8,898.00	0.00	8,898.00	0.00		8,898.00
15-Jan-19	0.00	0.00	0.00	0.00		0.00
15-Jul-19	8,898.00	0.00	8,898.00	0.00		8,898.00
15-Jan-20	0.00	0.00	0.00	0.00		0.00
15-Jul-20	8,898.00	0.00	8,898.00	0.00		8,898.00
15-Jan-21	0.00	0.00	0.00	0.00		0.00
15-Jul-21	8,897.00	0.00	8,897.00	0.00		8,897.00
15-Jan-22	0.00	0.00	0.00	0.00		0.00
15-Jul-22	8,897.00	0.00	8,897.00	0.00		8,897.00
15-Jan-23	0.00	0.00	0.00	0.00		0.00
15-Jul-23	8,897.00	0.00	8,897.00	0.00		8,897.00
15-Jan-24	0.00	0.00	0.00	0.00		0.00
15-Jul-24	8,897.00	0.00	8,897.00	0.00		8,897.00
15-Jan-25	0.00	0.00	0.00	0.00		0.00
15-Jul-25	8,897.00	0.00	8,897.00	0.00		8,897.00
15-Jan-26	0.00	0.00	0.00	0.00		0.00
15-Jul-26	8,897.00	0.00	8,897.00	0.00		8,897.00
15-Jan-27	0.00	0.00	0.00	0.00		0.00
15-Jul-27	8,897.00	0.00	8,897.00	0.00		8,897.00
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
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
	$177,953.00	$0.00	$177,953.00	$0.00	$0.00	$177,953.00

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement and Drinking Water Revenue Bonds
(Pool Program Bonds)
Pool Program Bonds, Pool 13

SCHEDULE C

Essex
CW-01-02-D

Final Structuring Analysis

Loan Interest Rate	0.00%

Schedule of Loan Repayments

Initial Loan Obligation:	$735,833.00

	Schedule of Loan Repayments			Admin. Fee	Loan	Total
Date	Principal	Interest	Total	0.00075	Origination Fee	Due
18-Dec-07						
15-Jul-08	$36,792.00	$0.00	$36,792.00	$551.87	4,709.33	$42,053.20
15-Jan-09	0.00	0.00	0.00	524.28		524.28
15-Jul-09	36,792.00	0.00	36,792.00	524.28		37,316.28
15-Jan-10	0.00	0.00	0.00	496.69		496.69
15-Jul-10	36,792.00	0.00	36,792.00	496.69		37,288.69
15-Jan-11	0.00	0.00	0.00	469.09		469.09
15-Jul-11	36,792.00	0.00	36,792.00	469.09		37,261.09
15-Jan-12	0.00	0.00	0.00	441.50		441.50
15-Jul-12	36,792.00	0.00	36,792.00	441.50		37,233.50
15-Jan-13	0.00	0.00	0.00	413.90		413.90
15-Jul-13	36,792.00	0.00	36,792.00	413.90		37,205.90
15-Jan-14	0.00	0.00	0.00	386.31		386.31
15-Jul-14	36,792.00	0.00	36,792.00	386.31		37,178.31
15-Jan-15	0.00	0.00	0.00	358.72		358.72
15-Jul-15	36,792.00	0.00	36,792.00	358.72		37,150.72
15-Jan-16	0.00	0.00	0.00	331.12		331.12
15-Jul-16	36,792.00	0.00	36,792.00	331.12		37,123.12
15-Jan-17	0.00	0.00	0.00	303.53		303.53
15-Jul-17	36,792.00	0.00	36,792.00	303.53		37,095.53
15-Jan-18	0.00	0.00	0.00	275.93		275.93
15-Jul-18	36,792.00	0.00	36,792.00	275.93		37,067.93
15-Jan-19	0.00	0.00	0.00	248.34		248.34
15-Jul-19	36,792.00	0.00	36,792.00	248.34		37,040.34
15-Jan-20	0.00	0.00	0.00	220.75		220.75
15-Jul-20	36,792.00	0.00	36,792.00	220.75		37,012.75
15-Jan-21	0.00	0.00	0.00	193.15		193.15
15-Jul-21	36,791.00	0.00	36,791.00	193.15		36,984.15
15-Jan-22	0.00	0.00	0.00	165.56		165.56
15-Jul-22	36,791.00	0.00	36,791.00	165.56		36,956.56
15-Jan-23	0.00	0.00	0.00	137.97		137.97
15-Jul-23	36,791.00	0.00	36,791.00	137.97		36,928.97
15-Jan-24	0.00	0.00	0.00	110.37		110.37
15-Jul-24	36,791.00	0.00	36,791.00	110.37		36,901.37
15-Jan-25	0.00	0.00	0.00	82.78		82.78
15-Jul-25	36,791.00	0.00	36,791.00	82.78		36,873.78
15-Jan-26	0.00	0.00	0.00	55.19		55.19
15-Jul-26	36,791.00	0.00	36,791.00	55.19		36,846.19
15-Jan-27	0.00	0.00	0.00	27.59		27.59
15-Jul-27	36,791.00	0.00	36,791.00	27.59		36,818.59
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
	$735,833.00	$0.00	$735,833.00	$11,037.41	$4,709.33	$751,579.74