

Massachusetts Clean Water Trust  
Series 19  
Great Barrington Loan Amortization  
CW-12-23

Initial Loan Amount	4,210,000.00	Loan Origination Fee (\$5.50/1000)	23,155.00
Principal Forgiveness		Loan Term (in years)	20
Net Loan Obligation	4,210,000.00	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		36,018.89	36,018.89	2,701.42	23,155.00	61,875.31	
1/15/2017	170,299.00	42,100.00	212,399.00	3,157.50		215,556.50	277,431.81
7/15/2017		40,397.01	40,397.01	3,029.78		43,426.79	
1/15/2018	174,000.00	40,397.01	214,397.01	3,029.78		217,426.79	260,853.57
7/15/2018		38,657.01	38,657.01	2,899.28		41,556.29	
1/15/2019	177,782.00	38,657.01	216,439.01	2,899.28		219,338.29	260,894.57
7/15/2019		36,879.19	36,879.19	2,765.94		39,645.13	
1/15/2020	181,645.00	36,879.19	218,524.19	2,765.94		221,290.13	260,935.26
7/15/2020		35,062.74	35,062.74	2,629.71		37,692.45	
1/15/2021	185,593.00	35,062.74	220,655.74	2,629.71		223,285.45	260,977.89
7/15/2021		33,206.81	33,206.81	2,490.51		35,697.32	
1/15/2022	189,627.00	33,206.81	222,833.81	2,490.51		225,324.32	261,021.64
7/15/2022		31,310.54	31,310.54	2,348.29		33,658.83	
1/15/2023	193,748.00	31,310.54	225,058.54	2,348.29		227,406.83	261,065.66
7/15/2023		29,373.06	29,373.06	2,202.98		31,576.04	
1/15/2024	197,959.00	29,373.06	227,332.06	2,202.98		229,535.04	261,111.08
7/15/2024		27,393.47	27,393.47	2,054.51		29,447.98	
1/15/2025	202,261.00	27,393.47	229,654.47	2,054.51		231,708.98	261,156.96
7/15/2025		25,370.86	25,370.86	1,902.81		27,273.67	
1/15/2026	206,657.00	25,370.86	232,027.86	1,902.81		233,930.67	261,204.35
7/15/2026		23,304.29	23,304.29	1,747.82		25,052.11	
1/15/2027	211,149.00	23,304.29	234,453.29	1,747.82		236,201.11	261,253.22
7/15/2027		21,192.80	21,192.80	1,589.46		22,782.26	
1/15/2028	215,738.00	21,192.80	236,930.80	1,589.46		238,520.26	261,302.52
7/15/2028		19,035.42	19,035.42	1,427.66		20,463.08	
1/15/2029	220,426.00	19,035.42	239,461.42	1,427.66		240,889.08	261,352.15
7/15/2029		16,831.16	16,831.16	1,262.34		18,093.50	
1/15/2030	225,217.00	16,831.16	242,048.16	1,262.34		243,310.50	261,403.99
7/15/2030		14,578.99	14,578.99	1,093.42		15,672.41	
1/15/2031	230,112.00	14,578.99	244,690.99	1,093.42		245,784.41	261,456.83
7/15/2031		12,277.87	12,277.87	920.84		13,198.71	
1/15/2032	235,113.00	12,277.87	247,390.87	920.84		248,311.71	261,510.42
7/15/2032		9,926.74	9,926.74	744.51		10,671.25	
1/15/2033	240,223.00	9,926.74	250,149.74	744.51		250,894.25	261,565.49
7/15/2033		7,524.51	7,524.51	564.34		8,088.85	
1/15/2034	245,444.00	7,524.51	252,968.51	564.34		253,532.85	261,621.70
7/15/2034		5,070.07	5,070.07	380.26		5,450.33	
1/15/2035	250,778.00	5,070.07	255,848.07	380.26		256,228.33	261,678.65
7/15/2035		2,562.29	2,562.29	192.17		2,754.46	
1/15/2036	256,229.00	2,562.29	258,791.29	192.17		258,983.46	261,737.92
7/15/2036							
	4,210,000.00	938,028.55	5,148,028.55	70,352.14	23,155.00	5,241,535.69	5,241,535.69

Massachusetts Water Pollution Abatement Trust  
Water Pollution Abatement Revenue Bonds  
(Pool Loan Program Bonds)  
Series 5  
Great Barrington  
98-53  
Final Loan Structuring Analysis

AMENDED SCHEDULE C

G.E. 50.00%

Schedule of Loan Repayments

Initial Loan Obligation: 271,555.00

Date	Scheduled Loan Repayments			Loan Subsidy Amounts			Net Loan Repayment		
	Principal	Interest	Total	DSRF Earnings	Contract Assistance	Total	Principal	Interest	Total
01-Feb-05	0.00	6,447.04	6,447.04	3,615.89	0.00	3,615.89	0.00	2,831.14	2,831.14
01-Aug-05	14,525.00	6,688.99	21,213.99	3,615.89	6,488.60	10,104.49	11,109.50	0.00	11,109.50
01-Feb-06	0.00	7,066.59	7,066.59	3,422.48	283.69	3,706.17	0.00	3,360.42	3,360.42
01-Aug-06	14,884.00	6,060.53	20,944.53	3,422.48	6,450.91	9,873.40	11,071.14	0.00	11,071.14
01-Feb-07	0.00	6,902.15	6,902.15	3,224.30	283.69	3,507.99	0.00	3,394.17	3,394.17
01-Aug-07	15,311.00	5,835.45	21,146.45	3,224.30	6,649.62	9,873.92	11,272.53	0.00	11,272.53
01-Feb-08	0.00	6,732.04	6,732.04	3,020.42	283.69	3,304.11	0.00	3,427.93	3,427.93
01-Aug-08	15,712.00	4,800.05	20,512.05	3,020.42	6,452.07	9,472.49	11,039.56	0.00	11,039.56
01-Feb-09	0.00	6,593.33	6,593.33	2,811.21	283.69	3,094.90	0.00	3,498.43	3,498.43
01-Aug-09	16,123.00	4,581.36	20,704.36	2,811.21	6,665.49	9,476.70	11,227.66	0.00	11,227.66
01-Feb-10	0.00	6,438.53	6,438.53	2,596.52	283.69	2,880.21	0.00	3,558.32	3,558.32
01-Aug-10	15,000.00	3,024.74	18,024.74	2,596.52	6,029.05	8,625.58	9,399.17	0.00	9,399.17
01-Feb-11	0.00	5,924.05	5,924.05	2,396.79	283.69	2,680.48	0.00	3,243.57	3,243.57
01-Aug-11	20,000.00	2,671.12	22,671.12	2,396.79	6,255.79	8,652.58	14,018.54	0.00	14,018.54
01-Feb-12	0.00	5,818.64	5,818.64	2,130.48	283.69	2,414.17	0.00	3,404.47	3,404.47
01-Aug-12	20,000.00	3,036.08	23,036.08	2,130.48	6,464.42	8,594.90	14,441.17	0.00	14,441.17
01-Feb-13	0.00	4,783.45	4,783.45	1,864.17	283.69	2,147.86	0.00	2,635.59	2,635.59
01-Aug-13	20,000.00	2,712.82	22,712.82	1,864.17	6,634.89	8,499.06	14,213.76	0.00	14,213.76
01-Feb-14	0.00	4,347.63	4,347.63	1,597.86	283.69	1,881.55	0.00	2,466.08	2,466.08
01-Aug-14	20,000.00	2,394.73	22,394.73	1,597.86	6,477.21	8,075.07	14,319.66	0.00	14,319.66
01-Feb-15	0.00	3,250.37	3,250.37	1,331.55	283.69	1,615.24	0.00	1,635.13	1,635.13
01-Aug-15	20,000.00	2,075.45	22,075.45	1,331.55	6,476.16	7,807.71	14,267.75	0.00	14,267.75
01-Feb-16	0.00	2,492.54	2,492.54	1,065.24	283.69	1,348.93	0.00	1,143.61	1,143.61
01-Aug-16	20,000.00	1,791.91	21,791.91	1,065.24	6,504.48	7,569.72	14,222.20	0.00	14,222.20
01-Feb-17	0.00	1,732.72	1,732.72	798.93	283.69	1,082.62	0.00	650.10	650.10
01-Aug-17	20,000.00	1,432.40	21,432.40	798.93	6,595.86	7,394.79	14,037.61	0.00	14,037.61
01-Feb-18	0.00	975.42	975.42	532.62	208.90	741.52	0.00	233.90	233.90
01-Aug-18	20,000.00	1,084.40	21,084.40	532.62	6,781.38	7,314.00	13,770.40	0.00	13,770.40
01-Feb-19	0.00	405.97	405.97	266.31	139.66	405.97	0.00	0.00	0.00
01-Aug-19	20,000.00	550.00	20,550.00	266.31	6,729.66	6,995.97	13,554.03	0.00	13,554.03
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
	\$271,555.00	\$118,650.50	\$390,205.50	\$61,349.54	\$101,408.43	\$162,757.97	\$191,964.67	\$35,482.86	\$227,447.53

Massachusetts Water Pollution Abatement Trust  
Water Pollution Abatement Revenue Bonds  
(Pool Loan Program Bonds)  
Series 5  
Great Barrington  
98-53  
Final Loan Structuring Analysis

Administrative Fee Schedule

<u>Date</u>	<u>Principal Outstanding</u>	<u>Administrative Fee Payable @ 0.075000%</u>
06-Oct-1999		
01-Feb-2000	340,334.00	163.08
01-Aug-2000	340,334.00	255.25
01-Feb-2001	327,029.00	245.27
01-Aug-2001	327,029.00	245.27
01-Feb-2002	313,508.00	235.13
01-Aug-2002	313,508.00	235.13
01-Feb-2003	299,770.00	224.83
01-Aug-2003	299,770.00	224.83
01-Feb-2004	285,794.00	214.35
01-Aug-2004	285,794.00	214.35
01-Feb-2005	271,555.00	203.67
01-Aug-2005	271,555.00	203.67
01-Feb-2006	257,030.00	192.77
01-Aug-2006	257,030.00	192.77
01-Feb-2007	242,146.00	181.61
01-Aug-2007	242,146.00	181.61
01-Feb-2008	226,835.00	170.13
01-Aug-2008	226,835.00	170.13
01-Feb-2009	211,123.00	158.34
01-Aug-2009	211,123.00	158.34
01-Feb-2010	195,000.00	146.25
01-Aug-2010	195,000.00	146.25
01-Feb-2011	180,000.00	135.00
01-Aug-2011	180,000.00	135.00
01-Feb-2012	160,000.00	120.00
01-Aug-2012	160,000.00	120.00
01-Feb-2013	140,000.00	105.00
01-Aug-2013	140,000.00	105.00
01-Feb-2014	120,000.00	90.00
01-Aug-2014	120,000.00	90.00
01-Feb-2015	100,000.00	75.00
01-Aug-2015	100,000.00	75.00
01-Feb-2016	80,000.00	60.00
01-Aug-2016	80,000.00	60.00
01-Feb-2017	60,000.00	45.00
01-Aug-2017	60,000.00	45.00
01-Feb-2018	40,000.00	30.00
01-Aug-2018	40,000.00	30.00
01-Feb-2019	20,000.00	15.00
01-Aug-2019	20,000.00	15.00
01-Feb-2020	0.00	0.00
01-Aug-2020	0.00	0.00
01-Feb-2021	0.00	0.00
01-Aug-2021	0.00	0.00
01-Feb-2022	0.00	0.00
01-Aug-2022	0.00	0.00
01-Feb-2023	0.00	0.00
01-Aug-2023	0.00	0.00
01-Feb-2024	0.00	0.00
01-Aug-2024	0.00	0.00
01-Feb-2025	0.00	0.00
01-Aug-2025	0.00	0.00
01-Feb-2026	0.00	0.00
01-Aug-2026	0.00	0.00
01-Feb-2027	0.00	0.00
01-Aug-2027	0.00	0.00
01-Feb-2028	0.00	0.00
01-Aug-2028	0.00	0.00
01-Feb-2029	0.00	0.00
01-Aug-2029	0.00	0.00
01-Feb-2030	0.00	0.00
01-Aug-2030	0.00	0.00
		<u>\$5,713.03</u>

Massachusetts Clean Water Trust  
Series 20  
GREAT BARRINGTON Reamortization  
CWP-15-24

Original Loan Amount	4,731,194.00	Loan Origination Fee (\$5.5/1000)	0.00
Principal Forgiveness	151,889.00	Loan Term (in years)	18
Principal Paid Down	374,500.00	Loan Rate	2.00%
Outstanding Loan Obligation	4,204,805.00	Closing Date	4/11/2019
Remaining Balance	(16,642.00)	First Payment	7/15/2019
Net New Loan Obligation	4,188,163.00		

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		41,961.14	41,961.14	3,147.09		45,108.23	
1/15/2020	192,611.64	41,881.63	234,493.27	3,141.12		237,634.40	282,742.62
7/15/2020		39,955.51	39,955.51	2,996.66		42,952.18	
1/15/2021	196,798.01	39,955.51	236,753.52	2,996.66		239,750.19	282,702.36
7/15/2021		37,987.53	37,987.53	2,849.07		40,836.60	
1/15/2022	201,075.01	37,987.53	239,062.55	2,849.07		241,911.61	282,748.21
7/15/2022		35,976.78	35,976.78	2,698.26		38,675.04	
1/15/2023	205,444.65	35,976.78	241,421.43	2,698.26		244,119.69	282,794.73
7/15/2023		33,922.34	33,922.34	2,544.18		36,466.51	
1/15/2024	209,909.91	33,922.34	243,832.24	2,544.18		246,376.42	282,842.93
7/15/2024		31,823.24	31,823.24	2,386.74		34,209.98	
1/15/2025	214,471.78	31,823.24	246,295.02	2,386.74		248,681.76	282,891.74
7/15/2025		29,678.52	29,678.52	2,225.89		31,904.41	
1/15/2026	219,133.26	29,678.52	248,811.78	2,225.89		251,037.67	282,942.07
7/15/2026		27,487.19	27,487.19	2,061.54		29,548.73	
1/15/2027	223,895.33	27,487.19	251,382.52	2,061.54		253,444.06	282,992.79
7/15/2027		25,248.23	25,248.23	1,893.62		27,141.85	
1/15/2028	228,762.00	25,248.23	254,010.23	1,893.62		255,903.85	283,045.70
7/15/2028		22,960.61	22,960.61	1,722.05		24,682.66	
1/15/2029	233,733.24	22,960.61	256,693.85	1,722.05		258,415.90	283,098.56
7/15/2029		20,623.28	20,623.28	1,546.75		22,170.03	
1/15/2030	238,814.06	20,623.28	259,437.34	1,546.75		260,984.08	283,154.11
7/15/2030		18,235.14	18,235.14	1,367.64		19,602.78	
1/15/2031	244,003.43	18,235.14	262,238.57	1,367.64		263,606.21	283,208.98
7/15/2031		15,795.11	15,795.11	1,184.63		16,979.74	
1/15/2032	249,307.36	15,795.11	265,102.47	1,184.63		266,287.10	283,266.84
7/15/2032		13,302.03	13,302.03	997.65		14,299.69	
1/15/2033	254,724.83	13,302.03	268,026.86	997.65		269,024.51	283,324.20
7/15/2033		10,754.79	10,754.79	806.61		11,561.39	
1/15/2034	260,261.83	10,754.79	271,016.62	806.61		271,823.22	283,384.62
7/15/2034		8,152.17	8,152.17	611.41		8,763.58	
1/15/2035	265,917.35	8,152.17	274,069.52	611.41		274,680.93	283,444.51
7/15/2035		5,492.99	5,492.99	411.97		5,904.97	
1/15/2036	271,697.39	5,492.99	277,190.38	411.97		277,602.36	283,507.32
7/15/2036		2,776.02	2,776.02	208.20		2,984.22	
1/15/2037	277,601.93	2,776.02	280,377.94	208.20		280,586.15	283,570.37
7/15/2037							
	4,188,163.00	844,185.75	5,032,348.75	63,313.93		5,095,662.68	5,095,662.68

## Notes:

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

# SWAP

Prepared by Public Financial Management, Inc.

## Massachusetts Clean Water Trust Series 20 Great Barrington Loan Amortization CWP-15-24

Loan Amount Approved	4,731,194.00	Loan Origination Fee (\$5.50/1000)	25,186.18
Principal Forgiveness	151,889.00	Loan Term (in years)	20
Amount to be Financed	4,579,305.00	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		23,405.34	23,405.34	1,755.40	25,186.18	50,346.81	
1/15/2018	185,237.00	45,793.05	231,030.05	3,434.48		234,464.53	284,811.44
7/15/2018		43,940.68	43,940.68	3,295.55		47,236.23	
1/15/2019	189,263.00	43,940.68	233,203.68	3,295.55		236,499.23	283,735.46
7/15/2019		42,048.05	42,048.05	3,153.60		45,201.65	
1/15/2020	193,377.00	42,048.05	235,425.05	3,153.60		238,578.65	283,780.31
7/15/2020		40,114.28	40,114.28	3,008.57		43,122.85	
1/15/2021	197,580.00	40,114.28	237,694.28	3,008.57		240,702.85	283,825.70
7/15/2021		38,138.48	38,138.48	2,860.39		40,998.87	
1/15/2022	201,874.00	38,138.48	240,012.48	2,860.39		242,872.87	283,871.73
7/15/2022		36,119.74	36,119.74	2,708.98		38,828.72	
1/15/2023	206,261.00	36,119.74	242,380.74	2,708.98		245,089.72	283,918.44
7/15/2023		34,057.13	34,057.13	2,554.28		36,611.41	
1/15/2024	210,744.00	34,057.13	244,801.13	2,554.28		247,355.41	283,966.83
7/15/2024		31,949.69	31,949.69	2,396.23		34,345.92	
1/15/2025	215,324.00	31,949.69	247,273.69	2,396.23		249,669.92	284,015.83
7/15/2025		29,796.45	29,796.45	2,234.73		32,031.18	
1/15/2026	220,004.00	29,796.45	249,800.45	2,234.73		252,035.18	284,066.37
7/15/2026		27,596.41	27,596.41	2,069.73		29,666.14	
1/15/2027	224,785.00	27,596.41	252,381.41	2,069.73		254,451.14	284,117.28
7/15/2027		25,348.56	25,348.56	1,901.14		27,249.70	
1/15/2028	229,671.00	25,348.56	255,019.56	1,901.14		256,920.70	284,170.40
7/15/2028		23,051.85	23,051.85	1,728.89		24,780.74	
1/15/2029	234,662.00	23,051.85	257,713.85	1,728.89		259,442.74	284,223.48
7/15/2029		20,705.23	20,705.23	1,552.89		22,258.12	
1/15/2030	239,763.00	20,705.23	260,468.23	1,552.89		262,021.12	284,279.24
7/15/2030		18,307.60	18,307.60	1,373.07		19,680.67	
1/15/2031	244,973.00	18,307.60	263,280.60	1,373.07		264,653.67	284,334.34
7/15/2031		15,857.87	15,857.87	1,189.34		17,047.21	
1/15/2032	250,298.00	15,857.87	266,155.87	1,189.34		267,345.21	284,392.42
7/15/2032		13,354.89	13,354.89	1,001.62		14,356.51	
1/15/2033	255,737.00	13,354.89	269,091.89	1,001.62		270,093.51	284,450.01
7/15/2033		10,797.52	10,797.52	809.81		11,607.33	
1/15/2034	261,296.00	10,797.52	272,093.52	809.81		272,903.33	284,510.67
7/15/2034		8,184.56	8,184.56	613.84		8,798.40	
1/15/2035	266,974.00	8,184.56	275,158.56	613.84		275,772.40	284,570.80
7/15/2035		5,514.82	5,514.82	413.61		5,928.43	
1/15/2036	272,777.00	5,514.82	278,291.82	413.61		278,705.43	284,633.86
7/15/2036		2,787.05	2,787.05	209.03		2,996.08	
1/15/2037	278,705.00	2,787.05	281,492.05	209.03		281,701.08	284,697.16
7/15/2037							
	4,579,305.00	1,004,540.11	5,583,845.11	75,340.51	25,186.18	5,684,371.79	5,684,371.79

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.