# Massachusetts Clean Water Trust
Series 19
Ipswich Loan Amortization
DW-10-08-A

| | | | |
|---|---|---|---|
| Initial Loan Amount | 1,495,054.00 | Loan Origination Fee ($5.50/1000) | 8,222.80 |
| Principal Forgiveness | | Loan Term (in years) | 20 |
| Net Loan Obligation | 1,495,054.00 | 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 | | 12,791.02 | 12,791.02 | 959.33 | 8,222.80 | 21,973.14 | |
| 1/15/2017 | 60,476.00 | 14,950.54 | 75,426.54 | 1,121.29 | | 76,547.83 | 98,520.97 |
| 7/15/2017 | | 14,345.78 | 14,345.78 | 1,075.93 | | 15,421.71 | |
| 1/15/2018 | 61,791.00 | 14,345.78 | 76,136.78 | 1,075.93 | | 77,212.71 | 92,634.43 |
| 7/15/2018 | | 13,727.87 | 13,727.87 | 1,029.59 | | 14,757.46 | |
| 1/15/2019 | 63,134.00 | 13,727.87 | 76,861.87 | 1,029.59 | | 77,891.46 | 92,648.92 |
| 7/15/2019 | | 13,096.53 | 13,096.53 | 982.24 | | 14,078.77 | |
| 1/15/2020 | 64,506.00 | 13,096.53 | 77,602.53 | 982.24 | | 78,584.77 | 92,663.54 |
| 7/15/2020 | | 12,451.47 | 12,451.47 | 933.86 | | 13,385.33 | |
| 1/15/2021 | 65,908.00 | 12,451.47 | 78,359.47 | 933.86 | | 79,293.33 | 92,678.66 |
| 7/15/2021 | | 11,792.39 | 11,792.39 | 884.43 | | 12,676.82 | |
| 1/15/2022 | 67,340.00 | 11,792.39 | 79,132.39 | 884.43 | | 80,016.82 | 92,693.64 |
| 7/15/2022 | | 11,118.99 | 11,118.99 | 833.92 | | 11,952.91 | |
| 1/15/2023 | 68,804.00 | 11,118.99 | 79,922.99 | 833.92 | | 80,756.91 | 92,709.83 |
| 7/15/2023 | | 10,430.95 | 10,430.95 | 782.32 | | 11,213.27 | |
| 1/15/2024 | 70,299.00 | 10,430.95 | 80,729.95 | 782.32 | | 81,512.27 | 92,725.54 |
| 7/15/2024 | | 9,727.96 | 9,727.96 | 729.60 | | 10,457.56 | |
| 1/15/2025 | 71,827.00 | 9,727.96 | 81,554.96 | 729.60 | | 82,284.56 | 92,742.11 |
| 7/15/2025 | | 9,009.69 | 9,009.69 | 675.73 | | 9,685.42 | |
| 1/15/2026 | 73,388.00 | 9,009.69 | 82,397.69 | 675.73 | | 83,073.42 | 92,758.83 |
| 7/15/2026 | | 8,275.81 | 8,275.81 | 620.69 | | 8,896.50 | |
| 1/15/2027 | 74,983.00 | 8,275.81 | 83,258.81 | 620.69 | | 83,879.50 | 92,775.99 |
| 7/15/2027 | | 7,525.98 | 7,525.98 | 564.45 | | 8,090.43 | |
| 1/15/2028 | 76,613.00 | 7,525.98 | 84,138.98 | 564.45 | | 84,703.43 | 92,793.86 |
| 7/15/2028 | | 6,759.85 | 6,759.85 | 506.99 | | 7,266.84 | |
| 1/15/2029 | 78,278.00 | 6,759.85 | 85,037.85 | 506.99 | | 85,544.84 | 92,811.68 |
| 7/15/2029 | | 5,977.07 | 5,977.07 | 448.28 | | 6,425.35 | |
| 1/15/2030 | 79,979.00 | 5,977.07 | 85,956.07 | 448.28 | | 86,404.35 | 92,829.70 |
| 7/15/2030 | | 5,177.28 | 5,177.28 | 388.30 | | 5,565.58 | |
| 1/15/2031 | 81,717.00 | 5,177.28 | 86,894.28 | 388.30 | | 87,282.58 | 92,848.15 |
| 7/15/2031 | | 4,360.11 | 4,360.11 | 327.01 | | 4,687.12 | |
| 1/15/2032 | 83,493.00 | 4,360.11 | 87,853.11 | 327.01 | | 88,180.12 | 92,867.24 |
| 7/15/2032 | | 3,525.18 | 3,525.18 | 264.39 | | 3,789.57 | |
| 1/15/2033 | 85,308.00 | 3,525.18 | 88,833.18 | 264.39 | | 89,097.57 | 92,887.14 |
| 7/15/2033 | | 2,672.10 | 2,672.10 | 200.41 | | 2,872.51 | |
| 1/15/2034 | 87,162.00 | 2,672.10 | 89,834.10 | 200.41 | | 90,034.51 | 92,907.02 |
| 7/15/2034 | | 1,800.48 | 1,800.48 | 135.04 | | 1,935.52 | |
| 1/15/2035 | 89,056.00 | 1,800.48 | 90,856.48 | 135.04 | | 90,991.52 | 92,927.03 |
| 7/15/2035 | | 909.92 | 909.92 | 68.24 | | 978.16 | |
| 1/15/2036 | 90,992.00 | 909.92 | 91,901.92 | 68.24 | | 91,970.16 | 92,948.33 |
| 7/15/2036 | | | | | | | |
| | 1,495,054.00 | 333,112.38 | 1,828,166.38 | 24,983.43 | 8,222.80 | 1,861,372.60 | 1,861,372.60 |

Prepared by Public Financial Management, Inc.

Massachusetts Clean Water Trust
Series 18
Ipswich Loan Amortization
T5-11-0200

| | | | |
|---|---|---|---|
| Initial Loan Amount | 357,290.00 | Loan Origination Fee ($5.50/1000) | 0.00 |
| Principal Forgiveness | - | Loan Term (in years) | 20 |
| Net Loan Obligation | 357,290.00 | Loan Rate | 0.00% |
| | | 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 | | | | | | | |
| 1/15/2016 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2016 | | | | | | | |
| 1/15/2017 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2017 | | | | | | | |
| 1/15/2018 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2018 | | | | | | | |
| 1/15/2019 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2019 | | | | | | | |
| 1/15/2020 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2020 | | | | | | | |
| 1/15/2021 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2021 | | | | | | | |
| 1/15/2022 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2022 | | | | | | | |
| 1/15/2023 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2023 | | | | | | | |
| 1/15/2024 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2024 | | | | | | | |
| 1/15/2025 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2025 | | | | | | | |
| 1/15/2026 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2026 | | | | | | | |
| 1/15/2027 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2027 | | | | | | | |
| 1/15/2028 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2028 | | | | | | | |
| 1/15/2029 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2029 | | | | | | | |
| 1/15/2030 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2030 | | | | | | | |
| 1/15/2031 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2031 | | | | | | | |
| 1/15/2032 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2032 | | | | | | | |
| 1/15/2033 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2033 | | | | | | | |
| 1/15/2034 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2034 | | | | | | | |
| 1/15/2035 | 17,864.50 | | 17,864.50 | | | 17,864.50 | 17,864.50 |
| 7/15/2035 | | | | | | | |
| | 357,290.00 | | 357,290.00 | | | 357,290.00 | 357,290.00 |

Notes:

# Massachusetts Clean Water Trust
## Series 18
## Ipswich Loan Amortization
## CW-10-09-A

| | | | |
|---|---|---|---|
| Initial Loan Amount | 2,246,791.00 | Loan Origination Fee ($5.50/1000) | 12,357.35 |
| Principal Forgiveness | - | Loan Term (in years) | 20 |
| Net Loan Obligation | 2,246,791.00 | 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 | | 23,466.48 | 23,466.48 | 1,759.99 | 12,357.35 | 37,583.82 | |
| 1/15/2016 | 90,885.00 | 22,467.91 | 113,352.91 | 1,685.09 | | 115,038.00 | 152,621.82 |
| 7/15/2016 | | 21,559.06 | 21,559.06 | 1,616.93 | | 23,175.99 | |
| 1/15/2017 | 92,860.00 | 21,559.06 | 114,419.06 | 1,616.93 | | 116,035.99 | 139,211.98 |
| 7/15/2017 | | 20,630.46 | 20,630.46 | 1,547.28 | | 22,177.74 | |
| 1/15/2018 | 94,878.00 | 20,630.46 | 115,508.46 | 1,547.28 | | 117,055.74 | 139,233.49 |
| 7/15/2018 | | 19,681.68 | 19,681.68 | 1,476.13 | | 21,157.81 | |
| 1/15/2019 | 96,941.00 | 19,681.68 | 116,622.68 | 1,476.13 | | 118,098.81 | 139,256.61 |
| 7/15/2019 | | 18,712.27 | 18,712.27 | 1,403.42 | | 20,115.69 | |
| 1/15/2020 | 99,047.00 | 18,712.27 | 117,759.27 | 1,403.42 | | 119,162.69 | 139,278.38 |
| 7/15/2020 | | 17,721.80 | 17,721.80 | 1,329.14 | | 19,050.94 | |
| 1/15/2021 | 101,200.00 | 17,721.80 | 118,921.80 | 1,329.14 | | 120,250.94 | 139,301.87 |
| 7/15/2021 | | 16,709.80 | 16,709.80 | 1,253.24 | | 17,963.04 | |
| 1/15/2022 | 103,399.00 | 16,709.80 | 120,108.80 | 1,253.24 | | 121,362.04 | 139,325.07 |
| 7/15/2022 | | 15,675.81 | 15,675.81 | 1,175.69 | | 16,851.50 | |
| 1/15/2023 | 105,647.00 | 15,675.81 | 121,322.81 | 1,175.69 | | 122,498.50 | 139,349.99 |
| 7/15/2023 | | 14,619.34 | 14,619.34 | 1,096.45 | | 15,715.79 | |
| 1/15/2024 | 107,943.00 | 14,619.34 | 122,562.34 | 1,096.45 | | 123,658.79 | 139,374.58 |
| 7/15/2024 | | 13,539.91 | 13,539.91 | 1,015.49 | | 14,555.40 | |
| 1/15/2025 | 110,289.00 | 13,539.91 | 123,828.91 | 1,015.49 | | 124,844.40 | 139,399.81 |
| 7/15/2025 | | 12,437.02 | 12,437.02 | 932.78 | | 13,369.80 | |
| 1/15/2026 | 112,686.00 | 12,437.02 | 125,123.02 | 932.78 | | 126,055.80 | 139,425.59 |
| 7/15/2026 | | 11,310.16 | 11,310.16 | 848.26 | | 12,158.42 | |
| 1/15/2027 | 115,135.00 | 11,310.16 | 126,445.16 | 848.26 | | 127,293.42 | 139,451.84 |
| 7/15/2027 | | 10,158.81 | 10,158.81 | 761.91 | | 10,920.72 | |
| 1/15/2028 | 117,637.00 | 10,158.81 | 127,795.81 | 761.91 | | 128,557.72 | 139,478.44 |
| 7/15/2028 | | 8,982.44 | 8,982.44 | 673.68 | | 9,656.12 | |
| 1/15/2029 | 120,194.00 | 8,982.44 | 129,176.44 | 673.68 | | 129,850.12 | 139,506.25 |
| 7/15/2029 | | 7,780.50 | 7,780.50 | 583.54 | | 8,364.04 | |
| 1/15/2030 | 122,806.00 | 7,780.50 | 130,586.50 | 583.54 | | 131,170.04 | 139,534.08 |
| 7/15/2030 | | 6,552.44 | 6,552.44 | 491.43 | | 7,043.87 | |
| 1/15/2031 | 125,475.00 | 6,552.44 | 132,027.44 | 491.43 | | 132,518.87 | 139,562.75 |
| 7/15/2031 | | 5,297.69 | 5,297.69 | 397.33 | | 5,695.02 | |
| 1/15/2032 | 128,202.00 | 5,297.69 | 133,499.69 | 397.33 | | 133,897.02 | 139,592.03 |
| 7/15/2032 | | 4,015.67 | 4,015.67 | 301.18 | | 4,316.85 | |
| 1/15/2033 | 130,988.00 | 4,015.67 | 135,003.67 | 301.18 | | 135,304.85 | 139,621.69 |
| 7/15/2033 | | 2,705.79 | 2,705.79 | 202.93 | | 2,908.72 | |
| 1/15/2034 | 133,835.00 | 2,705.79 | 136,540.79 | 202.93 | | 136,743.72 | 139,652.45 |
| 7/15/2034 | | 1,367.44 | 1,367.44 | 102.56 | | 1,470.00 | |
| 1/15/2035 | 136,744.00 | 1,367.44 | 138,111.44 | 102.56 | | 138,214.00 | 139,684.00 |
| 7/15/2035 | | | | | | | |
| | 2,246,791.00 | 504,850.57 | 2,751,641.57 | 37,863.79 | 12,357.35 | 2,801,862.72 | 2,801,862.72 |

Notes:

# Massachusetts Water Pollution Abatement Trust
## Series 17A
## IPSWICH Loan Amortization
## DW-10-08

| | |
|---|---|
| Initial Loan Amount | 1,145,359.00 |
| Principal Forgiveness | - |
| Net Loan Obligation | 1,145,359.00 |

| | |
|---|---|
| Loan Origination Fee ($5.50/1000) | 6,299.47 |
| 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 | | 3,372.45 | 3,372.45 | 252.93 | 6,299.47 | 9,924.85 | |
| 1/15/2014 | 46,331.00 | 11,453.59 | 57,784.59 | 859.02 | | 58,643.61 | 68,568.46 |
| 7/15/2014 | | 10,990.28 | 10,990.28 | 824.27 | | 11,814.55 | |
| 1/15/2015 | 47,338.00 | 10,990.28 | 58,328.28 | 824.27 | | 59,152.55 | 70,967.10 |
| 7/15/2015 | | 10,516.90 | 10,516.90 | 788.77 | | 11,305.67 | |
| 1/15/2016 | 48,367.00 | 10,516.90 | 58,883.90 | 788.77 | | 59,672.67 | 70,978.34 |
| 7/15/2016 | | 10,033.23 | 10,033.23 | 752.49 | | 10,785.72 | |
| 1/15/2017 | 49,418.00 | 10,033.23 | 59,451.23 | 752.49 | | 60,203.72 | 70,989.44 |
| 7/15/2017 | | 9,539.05 | 9,539.05 | 715.43 | | 10,254.48 | |
| 1/15/2018 | 50,492.00 | 9,539.05 | 60,031.05 | 715.43 | | 60,746.48 | 71,000.96 |
| 7/15/2018 | | 9,034.13 | 9,034.13 | 677.56 | | 9,711.69 | |
| 1/15/2019 | 51,589.00 | 9,034.13 | 60,623.13 | 677.56 | | 61,300.69 | 71,012.38 |
| 7/15/2019 | | 8,518.24 | 8,518.24 | 638.87 | | 9,157.11 | |
| 1/15/2020 | 52,710.00 | 8,518.24 | 61,228.24 | 638.87 | | 61,867.11 | 71,024.22 |
| 7/15/2020 | | 7,991.14 | 7,991.14 | 599.34 | | 8,590.48 | |
| 1/15/2021 | 53,856.00 | 7,991.14 | 61,847.14 | 599.34 | | 62,446.48 | 71,036.95 |
| 7/15/2021 | | 7,452.58 | 7,452.58 | 558.94 | | 8,011.52 | |
| 1/15/2022 | 55,027.00 | 7,452.58 | 62,479.58 | 558.94 | | 63,038.52 | 71,050.05 |
| 7/15/2022 | | 6,902.31 | 6,902.31 | 517.67 | | 7,419.98 | |
| 1/15/2023 | 56,222.00 | 6,902.31 | 63,124.31 | 517.67 | | 63,641.98 | 71,061.97 |
| 7/15/2023 | | 6,340.09 | 6,340.09 | 475.51 | | 6,815.60 | |
| 1/15/2024 | 57,444.00 | 6,340.09 | 63,784.09 | 475.51 | | 64,259.60 | 71,075.19 |
| 7/15/2024 | | 5,765.65 | 5,765.65 | 432.42 | | 6,198.07 | |
| 1/15/2025 | 58,693.00 | 5,765.65 | 64,458.65 | 432.42 | | 64,891.07 | 71,089.15 |
| 7/15/2025 | | 5,178.72 | 5,178.72 | 388.40 | | 5,567.12 | |
| 1/15/2026 | 59,969.00 | 5,178.72 | 65,147.72 | 388.40 | | 65,536.12 | 71,103.25 |
| 7/15/2026 | | 4,579.03 | 4,579.03 | 343.43 | | 4,922.46 | |
| 1/15/2027 | 61,272.00 | 4,579.03 | 65,851.03 | 343.43 | | 66,194.46 | 71,116.91 |
| 7/15/2027 | | 3,966.31 | 3,966.31 | 297.47 | | 4,263.78 | |
| 1/15/2028 | 62,603.00 | 3,966.31 | 66,569.31 | 297.47 | | 66,866.78 | 71,130.57 |
| 7/15/2028 | | 3,340.28 | 3,340.28 | 250.52 | | 3,590.80 | |
| 1/15/2029 | 63,964.00 | 3,340.28 | 67,304.28 | 250.52 | | 67,554.80 | 71,145.60 |
| 7/15/2029 | | 2,700.64 | 2,700.64 | 202.55 | | 2,903.19 | |
| 1/15/2030 | 65,354.00 | 2,700.64 | 68,054.64 | 202.55 | | 68,257.19 | 71,160.38 |
| 7/15/2030 | | 2,047.10 | 2,047.10 | 153.53 | | 2,200.63 | |
| 1/15/2031 | 66,775.00 | 2,047.10 | 68,822.10 | 153.53 | | 68,975.63 | 71,176.27 |
| 7/15/2031 | | 1,379.35 | 1,379.35 | 103.45 | | 1,482.80 | |
| 1/15/2032 | 68,226.00 | 1,379.35 | 69,605.35 | 103.45 | | 69,708.80 | 71,191.60 |
| 7/15/2032 | | 697.09 | 697.09 | 52.28 | | 749.37 | |
| 1/15/2033 | 69,709.00 | 697.09 | 70,406.09 | 52.28 | | 70,458.37 | 71,207.74 |
| 7/15/2033 | | | | | | | |
| | 1,145,359.00 | 248,770.28 | 1,394,129.28 | 18,657.77 | 6,299.47 | 1,419,086.52 | 1,419,086.52 |

# Massachusetts Water Pollution Abatement Trust
## Series 16
## Ipswich Loan Amortization
## CW-10-09

| | | | | |
|---|---|---|---|---|
| Initial Loan Amount | 1,952,534.00 | | Loan Origination Fee ($5.57/1000) | 10,875.61 |
| Principal Forgiveness | - | | Loan Term (in years) | 20 |
| Net Loan Obligation | 1,952,534.00 | | 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 | | 22,996.51 | 22,996.51 | 1,464.40 | 10,875.61 | 35,336.53 | 35,336.53 |
| 7/15/2013 | 78,982.00 | 19,525.34 | 98,507.34 | 1,464.40 | | 99,971.74 | |
| 1/15/2014 | | 18,735.52 | 18,735.52 | 1,405.16 | | 20,140.68 | 120,112.42 |
| 7/15/2014 | 80,699.00 | 18,735.52 | 99,434.52 | 1,405.16 | | 100,839.68 | |
| 1/15/2015 | | 17,928.53 | 17,928.53 | 1,344.64 | | 19,273.17 | 120,112.85 |
| 7/15/2015 | 82,452.00 | 17,928.53 | 100,380.53 | 1,344.64 | | 101,725.17 | |
| 1/15/2016 | | 17,104.01 | 17,104.01 | 1,282.80 | | 18,386.81 | 120,111.98 |
| 7/15/2016 | 84,244.00 | 17,104.01 | 101,348.01 | 1,282.80 | | 102,630.81 | |
| 1/15/2017 | | 16,261.57 | 16,261.57 | 1,219.62 | | 17,481.19 | 120,112.00 |
| 7/15/2017 | 86,075.00 | 16,261.57 | 102,336.57 | 1,219.62 | | 103,556.19 | |
| 1/15/2018 | | 15,400.82 | 15,400.82 | 1,155.06 | | 16,555.88 | 120,112.07 |
| 7/15/2018 | 87,946.00 | 15,400.82 | 103,346.82 | 1,155.06 | | 104,501.88 | |
| 1/15/2019 | | 14,521.36 | 14,521.36 | 1,089.10 | | 15,610.46 | 120,112.34 |
| 7/15/2019 | 89,857.00 | 14,521.36 | 104,378.36 | 1,089.10 | | 105,467.46 | |
| 1/15/2020 | | 13,622.79 | 13,622.79 | 1,021.71 | | 14,644.50 | 120,111.96 |
| 7/15/2020 | 91,810.00 | 13,622.79 | 105,432.79 | 1,021.71 | | 106,454.50 | |
| 1/15/2021 | | 12,704.69 | 12,704.69 | 952.85 | | 13,657.54 | 120,112.04 |
| 7/15/2021 | 93,806.00 | 12,704.69 | 106,510.69 | 952.85 | | 107,463.54 | |
| 1/15/2022 | | 11,766.63 | 11,766.63 | 882.50 | | 12,649.13 | 120,112.67 |
| 7/15/2022 | 95,845.00 | 11,766.63 | 107,611.63 | 882.50 | | 108,494.13 | |
| 1/15/2023 | | 10,808.18 | 10,808.18 | 810.61 | | 11,618.79 | 120,112.92 |
| 7/15/2023 | 97,928.00 | 10,808.18 | 108,736.18 | 810.61 | | 109,546.79 | |
| 1/15/2024 | | 9,828.90 | 9,828.90 | 737.17 | | 10,566.07 | 120,112.86 |
| 7/15/2024 | 100,056.00 | 9,828.90 | 109,884.90 | 737.17 | | 110,622.07 | |
| 1/15/2025 | | 8,828.34 | 8,828.34 | 662.13 | | 9,490.47 | 120,112.53 |
| 7/15/2025 | 102,231.00 | 8,828.34 | 111,059.34 | 662.13 | | 111,721.47 | |
| 1/15/2026 | | 7,806.03 | 7,806.03 | 585.45 | | 8,391.48 | 120,112.95 |
| 7/15/2026 | 104,452.00 | 7,806.03 | 112,258.03 | 585.45 | | 112,843.48 | |
| 1/15/2027 | | 6,761.51 | 6,761.51 | 507.11 | | 7,268.62 | 120,112.11 |
| 7/15/2027 | 106,722.00 | 6,761.51 | 113,483.51 | 507.11 | | 113,990.62 | |
| 1/15/2028 | | 5,694.29 | 5,694.29 | 427.07 | | 6,121.36 | 120,111.99 |
| 7/15/2028 | 109,042.00 | 5,694.29 | 114,736.29 | 427.07 | | 115,163.36 | |
| 1/15/2029 | | 4,603.87 | 4,603.87 | 345.29 | | 4,949.16 | 120,112.52 |
| 7/15/2029 | 111,412.00 | 4,603.87 | 116,015.87 | 345.29 | | 116,361.16 | |
| 1/15/2030 | | 3,489.75 | 3,489.75 | 261.73 | | 3,751.48 | 120,112.64 |
| 7/15/2030 | 113,833.00 | 3,489.75 | 117,322.75 | 261.73 | | 117,584.48 | |
| 1/15/2031 | | 2,351.42 | 2,351.42 | 176.36 | | 2,527.78 | 120,112.26 |
| 7/15/2031 | 116,307.00 | 2,351.42 | 118,658.42 | 176.36 | | 118,834.78 | |
| 1/15/2032 | | 1,188.35 | 1,188.35 | 89.13 | | 1,277.48 | 120,112.25 |
| 7/15/2032 | 118,835.00 | 1,188.35 | 120,023.35 | 89.13 | | 120,112.48 | |
| 1/15/2033 | | | | | | | 120,112.48 |
| | 1,952,534.00 | 441,334.97 | 2,393,868.97 | 32,839.79 | 10,875.61 | 2,437,584.37 | 2,437,584.37 |

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 Revenue Bonds
(Pool Loan Program Bonds)
Series 4
Ipswich
97-19
Final Loan Structuring Analysis

Revised Schedule C

Schedule of Loan Repayments

Initial Loan Obligation: 1,381,500.00

G.E. 50.00%

| | 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 | 30,396.36 | 30,396.36 | 15,803.67 | 406.01 | 16,209.68 | 0.00 | 14,186.67 | 14,186.67 |
| 01-Aug-05 | 85,700.00 | 28,788.04 | 114,488.04 | 15,803.67 | 32,398.12 | 48,201.79 | 66,286.25 | 0.00 | 66,286.25 |
| 01-Feb-06 | 0.00 | 33,647.96 | 33,647.96 | 14,823.30 | 1,646.24 | 16,469.54 | 0.00 | 17,178.41 | 17,178.41 |
| 01-Aug-06 | 87,700.00 | 27,333.00 | 115,033.00 | 14,823.30 | 33,197.43 | 48,020.74 | 67,012.26 | 0.00 | 67,012.26 |
| 01-Feb-07 | 0.00 | 32,795.13 | 32,795.13 | 13,820.06 | 1,646.24 | 15,466.30 | 0.00 | 17,328.83 | 17,328.83 |
| 01-Aug-07 | 90,300.00 | 22,687.10 | 112,987.10 | 13,820.06 | 32,664.64 | 46,484.70 | 66,502.39 | 0.00 | 66,502.39 |
| 01-Feb-08 | 0.00 | 31,925.45 | 31,925.45 | 12,787.07 | 1,646.24 | 14,433.31 | 0.00 | 17,492.14 | 17,492.14 |
| 01-Aug-08 | 92,600.00 | 19,041.78 | 111,641.78 | 12,787.07 | 32,484.96 | 45,272.04 | 66,369.74 | 0.00 | 66,369.74 |
| 01-Feb-09 | 0.00 | 30,986.16 | 30,986.16 | 11,727.78 | 1,646.24 | 13,374.02 | 0.00 | 17,612.15 | 17,612.15 |
| 01-Aug-09 | 95,000.00 | 14,434.06 | 109,434.06 | 11,727.78 | 31,127.04 | 42,854.82 | 66,579.25 | 0.00 | 66,579.25 |
| 01-Feb-10 | 0.00 | 28,475.91 | 28,475.91 | 10,641.02 | 1,646.24 | 12,287.26 | 0.00 | 16,188.65 | 16,188.65 |
| 01-Aug-10 | 97,800.00 | 15,910.91 | 113,710.91 | 10,641.02 | 32,679.08 | 43,320.10 | 70,390.81 | 0.00 | 70,390.81 |
| 01-Feb-11 | 0.00 | 25,162.64 | 25,162.64 | 9,522.24 | 1,646.24 | 11,168.48 | 0.00 | 13,994.16 | 13,994.16 |
| 01-Aug-11 | 100,800.00 | 8,791.61 | 109,591.61 | 9,522.24 | 30,006.45 | 39,528.69 | 70,062.92 | 0.00 | 70,062.92 |
| 01-Feb-12 | 0.00 | 21,847.56 | 21,847.56 | 8,369.14 | 1,646.24 | 10,015.38 | 0.00 | 11,832.18 | 11,832.18 |
| 01-Aug-12 | 53,700.00 | 59,781.91 | 113,481.91 | 8,369.14 | 32,843.53 | 41,212.67 | 53,700.00 | 18,569.23 | 72,269.23 |
| 01-Feb-13 | 0.00 | 21,467.96 | 21,467.96 | 7,754.84 | 1,646.24 | 9,401.08 | 0.00 | 12,066.88 | 12,066.88 |
| 01-Aug-13 | 104,800.00 | 10,883.16 | 115,683.16 | 7,754.84 | 31,621.21 | 39,376.05 | 76,307.11 | 0.00 | 76,307.11 |
| 01-Feb-14 | 0.00 | 17,717.03 | 17,717.03 | 6,555.98 | 1,646.24 | 8,202.22 | 0.00 | 9,514.81 | 9,514.81 |
| 01-Aug-14 | 107,900.00 | 11,356.76 | 119,256.76 | 6,555.98 | 32,610.70 | 39,166.68 | 80,090.08 | 0.00 | 80,090.08 |
| 01-Feb-15 | 0.00 | 13,771.98 | 13,771.98 | 5,321.66 | 1,646.24 | 6,967.90 | 0.00 | 6,804.08 | 6,804.08 |
| 01-Aug-15 | 111,200.00 | 9,703.32 | 120,903.32 | 5,321.66 | 32,528.04 | 37,849.69 | 83,053.63 | 0.00 | 83,053.63 |
| 01-Feb-16 | 0.00 | 9,645.65 | 9,645.65 | 4,049.58 | 1,646.24 | 5,695.82 | 0.00 | 3,949.83 | 3,949.83 |
| 01-Aug-16 | 114,600.00 | 8,060.65 | 122,660.65 | 4,049.58 | 32,769.44 | 36,819.02 | 85,841.63 | 0.00 | 85,841.63 |
| 01-Feb-17 | 0.00 | 5,916.47 | 5,916.47 | 2,738.62 | 1,611.97 | 4,350.59 | 0.00 | 1,565.88 | 1,565.88 |
| 01-Aug-17 | 118,000.00 | 3,175.16 | 121,175.16 | 2,738.62 | 31,795.01 | 34,533.63 | 86,641.53 | 0.00 | 86,641.53 |
| 01-Feb-18 | 0.00 | 3,035.00 | 3,035.00 | 1,388.76 | 1,646.24 | 3,035.00 | 0.00 | 0.00 | 0.00 |
| 01-Aug-18 | 121,400.00 | 3,035.00 | 124,435.00 | 1,388.76 | 33,199.93 | 34,588.68 | 89,846.32 | 0.00 | 89,846.32 |
| 01-Feb-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | $1,381,500.00 | $549,773.70 | $1,931,273.70 | $250,607.41 | $473,698.47 | $724,305.88 | $1,028,683.91 | $178,283.91 | $1,206,967.82 |

Massachusetts Water Pollution Abatement Trust
Water Pollution Abatement Revenue Bonds
(Pool Loan Program Bonds)
Series 4
Ipswich
19 97-19
*al Loan Structuring Analysis*

**Estimated Net Borrower Debt Service**

| Date | Principal Outstanding | Debt Service [Net of Accrued Interest] | LESS DSRF Earnings @ 4.575800% | LESS Contract Assistance | Estimated Net Debt Service | PLUS Administrative Fee Payable @ 0.075% | Estimated Total Payment | Estimated Total Payment [Fiscal Year ending] 30-Jun |
|---|---|---|---|---|---|---|---|---|
| 09-Dec-1998 | | | | | | | | |
| 01-Aug-1999 | $1,863,200.00 | $131,440.47 | $27,471.48 | $49,799.89 | $54,169.10 | $1,801.09 | $55,970.19 | -- |
| 01-Feb-2000 | 1,786,800.00 | 41,080.31 | 20,440.10 | 1,646.24 | 18,993.97 | 1,340.10 | 20,334.07 | $76,304.26 |
| 01-Aug-2000 | 1,786,800.00 | 119,080.31 | 20,440.10 | 33,199.93 | 65,440.28 | 1,340.10 | 66,780.38 | -- |
| 01-Feb-2001 | 1,708,800.00 | 39,422.81 | 19,547.82 | 1,646.24 | 18,228.75 | 1,281.60 | 19,510.35 | 86,290.73 |
| 01-Aug-2001 | 1,708,800.00 | 119,022.81 | 19,547.82 | 33,199.93 | 66,275.06 | 1,281.60 | 67,556.66 | -- |
| 01-Feb-2002 | 1,629,200.00 | 37,830.81 | 18,637.23 | 1,646.24 | 17,547.34 | 1,221.90 | 18,769.24 | 86,325.90 |
| 01-Aug-2002 | 1,629,200.00 | 118,830.81 | 18,637.23 | 33,199.93 | 66,993.65 | 1,221.90 | 68,215.55 | -- |
| 01-Feb-2003 | 1,548,200.00 | 36,210.81 | 17,710.63 | 1,646.24 | 16,853.94 | 1,161.15 | 18,015.09 | 86,230.64 |
| 01-Aug-2003 | 1,548,200.00 | 118,810.81 | 17,710.63 | 33,199.93 | 67,900.25 | 1,161.15 | 69,061.40 | -- |
| 01-Feb-2004 | 1,465,600.00 | 34,558.81 | 16,765.73 | 1,646.24 | 16,146.84 | 1,099.20 | 17,246.04 | 86,307.44 |
| 01-Aug-2004 | 1,465,600.00 | 118,658.81 | 16,765.73 | 33,199.93 | 68,693.15 | 1,099.20 | 69,792.35 | -- |
| 01-Feb-2005 | 1,381,500.00 | 32,876.81 | 15,803.67 | 1,646.24 | 15,426.90 | 1,036.13 | 16,463.03 | 86,255.38 |
| 01-Aug-2005 | 1,381,500.00 | 118,576.81 | 15,803.67 | 33,199.93 | 69,573.21 | 1,036.13 | 70,609.34 | -- |
| 01-Feb-2006 | 1,295,800.00 | 31,162.81 | 14,823.30 | 1,646.24 | 14,693.27 | 971.85 | 15,665.12 | 86,274.46 |
| 01-Aug-2006 | 1,295,800.00 | 118,862.81 | 14,823.30 | 33,199.93 | 70,839.58 | 971.85 | 71,811.43 | -- |
| 01-Feb-2007 | 1,208,100.00 | 28,970.31 | 13,820.06 | 1,646.24 | 13,504.01 | 906.08 | 14,410.09 | 86,221.52 |
| 01-Aug-2007 | 1,208,100.00 | 119,270.31 | 13,820.06 | 33,199.93 | 72,250.32 | 906.08 | 73,156.40 | -- |
| 01-Feb-2008 | 1,117,800.00 | 26,712.81 | 12,787.07 | 1,646.24 | 12,279.50 | 838.35 | 13,117.85 | 86,274.25 |
| 01-Aug-2008 | 1,117,800.00 | 119,312.81 | 12,787.07 | 33,199.93 | 73,325.81 | 838.35 | 74,164.16 | -- |
| 01-Feb-2009 | 1,025,200.00 | 24,745.06 | 11,727.78 | 1,646.24 | 11,371.04 | 768.90 | 12,139.94 | 86,304.10 |
| 01-Aug-2009 | 1,025,200.00 | 119,745.06 | 11,727.78 | 33,199.93 | 74,817.35 | 768.90 | 75,586.25 | -- |
| 01-Feb-2010 | 930,200.00 | 22,310.69 | 10,641.02 | 1,646.24 | 10,023.43 | 697.65 | 10,721.08 | 86,307.33 |
| 01-Aug-2010 | 930,200.00 | 120,110.69 | 10,641.02 | 33,199.93 | 76,269.74 | 697.65 | 76,967.39 | -- |
| 01-Feb-2011 | 832,400.00 | 19,804.56 | 9,522.24 | 1,646.24 | 8,636.08 | 624.30 | 9,260.38 | 86,227.77 |
| 01-Aug-2011 | 832,400.00 | 120,604.56 | 9,522.24 | 33,199.93 | 77,882.39 | 624.30 | 78,506.69 | -- |
| 01-Feb-2012 | 731,600.00 | 17,221.56 | 8,369.14 | 1,646.24 | 7,206.18 | 548.70 | 7,754.88 | 86,261.57 |
| 01-Aug-2012 | 731,600.00 | 118,441.10 | 8,369.14 | 33,199.93 | 76,872.03 | 548.70 | 77,420.73 | -- |
| 01-Feb-2013 | 677,900.00 | 17,221.56 | 7,754.84 | 1,646.24 | 7,820.48 | 508.43 | 8,328.91 | 85,749.64 |
| 01-Aug-2013 | 677,900.00 | 122,021.56 | 7,754.84 | 33,199.93 | 81,066.79 | 508.43 | 81,575.22 | -- |
| 01-Feb-2014 | 573,100.00 | 14,536.06 | 6,555.98 | 1,646.24 | 6,333.84 | 429.83 | 6,763.67 | 88,338.89 |
| 01-Aug-2014 | 573,100.00 | 122,436.06 | 6,555.98 | 33,199.93 | 82,680.15 | 429.83 | 83,109.98 | -- |
| 01-Feb-2015 | 465,200.00 | 11,771.13 | 5,321.66 | 1,646.24 | 4,803.23 | 348.90 | 5,152.13 | 88,262.11 |
| 01-Aug-2015 | 465,200.00 | 122,971.13 | 5,321.66 | 33,199.93 | 84,449.54 | 348.90 | 84,798.44 | -- |
| 01-Feb-2016 | 354,000.00 | 8,921.63 | 4,049.58 | 1,646.24 | 3,225.81 | 265.50 | 3,491.31 | 88,289.75 |
| 01-Aug-2016 | 354,000.00 | 123,521.63 | 4,049.58 | 33,199.93 | 86,272.12 | 265.50 | 86,537.62 | -- |
| 01-Feb-2017 | 239,400.00 | 5,985.00 | 2,738.62 | 1,646.24 | 1,600.14 | 179.55 | 1,779.69 | 88,317.31 |
| 01-Aug-2017 | 239,400.00 | 123,985.00 | 2,738.62 | 33,199.93 | 88,046.45 | 179.55 | 88,226.00 | -- |
| 01-Feb-2018 | 121,400.00 | 3,035.00 | 1,388.76 | 1,646.24 | 0.00 | 91.05 | 91.05 | 88,317.05 |
| 01-Aug-2018 | 121,400.00 | 124,435.00 | 1,388.76 | 33,199.93 | 89,846.31 | 91.05 | 89,937.36 | -- |
| 01-Feb-2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 89,937.36 |
| 01-Aug-2019 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -- |
| 01-Feb-2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 01-Aug-2020 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -- |
| 01-Feb-2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 01-Aug-2021 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -- |
| 01-Feb-2022 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 01-Aug-2022 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -- |
| 01-Feb-2023 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 01-Aug-2023 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -- |
| 01-Feb-2024 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 01-Aug-2024 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -- |
| 01-Feb-2025 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 01-Aug-2025 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -- |
| 01-Feb-2026 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 01-Aug-2026 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -- |
| 01-Feb-2027 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 01-Aug-2027 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -- |
| 01-Feb-2028 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 01-Aug-2028 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -- |
| 01-Feb-2029 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 01-Aug-2029 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -- |
| 01-Feb-2030 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | $2,874,517.09 | $464,281.94 | $711,877.11 | $1,698,358.03 | $30,439.43 | $1,728,797.46 | $1,728,797.46 |

al may not add due to penny rounding.