

Location: Buffalo, New York 14214
 Lifetime: 50 years
 Tree Mortality: 10%
 All amounts in the tables are for the full
 lifetime of the project.

| Tree Group Characteristics | Carbon Effects | | Hydrology Effects | | | Energy Effects | | | | Pollution |
|--|--------------------------|----------------------|---------------------------------|------------------------------|-------------------------|-------------------------------|------------------------|--------------------|-----------------|---------------------|
| | CO2 Sequestered (pounds) | CO2 Sequestered (\$) | Rainfall Interception (gallons) | Stormwater Managed (gallons) | Stormwater Managed (\$) | Electricity Saved (kWh hours) | Electricity saved (\$) | Fuel saved (MMBtu) | Fuel saved (\$) | O3 Removed (pounds) |
| (1) Cherry, Sargent (Prunus sargentii) at 2 inches DBH | 1,607.60 | \$37.39 | 35,756.70 | 7,718.60 | \$68.97 | 2,707.90 | \$477.58 | 12.50 | \$198.56 | 15.1 |
| (1) Apple (Malus species) at 2 inches DBH | 6,322.40 | \$147.04 | 40,044.10 | 8,644.10 | \$77.24 | 17.70 | \$3.12 | 9.80 | \$155.59 | 15.7 |
| (1) Apple (Malus species) at 2 inches DBH | 6,322.40 | \$147.04 | 40,044.10 | 8,644.10 | \$77.24 | 82.60 | \$14.56 | 6.90 | \$108.87 | 15.7 |
| (1) Planetree, London (Platanus hybrida) | 5,825.10 | \$135.47 | 104,848.60 | 22,633.10 | \$202.25 | (11.40) | (\$2.00) | (6.30) | (\$99.95) | 35.2 |
| (1) Apple (Malus species) at 2 inches DBH | 6,322.40 | \$147.04 | 40,044.10 | 8,644.10 | \$77.24 | 17.70 | \$3.12 | 9.80 | \$155.59 | 15.7 |
| (1) Apple (Malus species) at 2 inches DBH | 1,417.10 | \$32.96 | 22,662.60 | 4,892.00 | \$43.72 | 1,184.90 | \$208.97 | (14.40) | (\$227.56) | 7.8 |
| (1) Cherry, Sargent (Prunus sargentii) at 2 inches DBH | 1,607.60 | \$37.39 | 35,756.70 | 7,718.60 | \$68.97 | (78.30) | (\$13.81) | (43.50) | (\$689.02) | 15.1 |
| (1) Apple (Malus species) at 2 inches DBH | 6,322.40 | \$147.04 | 40,044.10 | 8,644.10 | \$77.24 | (10.10) | (\$1.78) | (5.60) | (\$88.57) | 15.7 |
| (1) Oak, Swamp white (Quercus bicolor) at 2 inches DBH | 14,366.00 | \$334.11 | 85,730.60 | 18,506.20 | \$165.37 | 120.10 | \$21.19 | 66.70 | \$1,056.85 | 28.8 |
| (1) Oak, Swamp white (Quercus bicolor) at 2 inches DBH | 14,366.00 | \$334.11 | 85,730.60 | 18,506.20 | \$165.37 | 1,488.90 | \$262.60 | 53.80 | \$852.63 | 28.8 |
| (1) Cherry, Sargent (Prunus sargentii) at 2 inches DBH | 1,607.60 | \$37.39 | 35,756.70 | 7,718.60 | \$68.97 | 159.90 | \$28.21 | 13.30 | \$210.91 | 15.1 |
| (1) Apple (Malus species) at 2 inches DBH | 2,301.20 | \$53.52 | 26,440.80 | 5,707.60 | \$51.00 | (165.50) | (\$29.19) | (14.50) | (\$229.75) | 9.2 |
| (1) Cherry, Sargent (Prunus sargentii) at 2 inches DBH | 1,607.60 | \$37.39 | 35,756.70 | 7,718.60 | \$68.97 | (29.60) | (\$5.21) | (16.40) | (\$260.00) | 15.1 |
| (1) Planetree, London (Platanus hybrida) | 6,287.40 | \$146.23 | 113,148.90 | 24,424.80 | \$218.26 | 55.20 | \$9.73 | 30.60 | \$485.18 | 36.9 |
| (1) Planetree, London (Platanus hybrida) | 2,525.50 | \$58.73 | 62,947.00 | 13,588.00 | \$121.42 | 55.90 | \$9.85 | 31.00 | \$491.49 | 23.8 |
| (1) Oak, Swamp white (Quercus bicolor) at 2 inches DBH | 5,261.20 | \$122.36 | 46,102.40 | 9,951.90 | \$88.93 | 69.40 | \$12.24 | 38.50 | \$610.57 | 16.6 |
| (1) Apple (Malus species) at 2 inches DBH | 2,301.20 | \$53.52 | 26,440.80 | 5,707.60 | \$51.00 | 326.40 | \$57.57 | (5.00) | (\$79.76) | 9.2 |
| (1) Apple (Malus species) at 2 inches DBH | 2,301.20 | \$53.52 | 26,440.80 | 5,707.60 | \$51.00 | 326.40 | \$57.57 | (5.00) | (\$79.76) | 9.2 |
| (1) Planetree, London (Platanus hybrida) | 6,287.40 | \$146.23 | 113,148.90 | 24,424.80 | \$218.26 | 1,187.50 | \$209.44 | 42.90 | \$680.03 | 36.9 |
| (1) Planetree, London (Platanus hybrida) | 6,287.40 | \$146.23 | 113,148.90 | 24,424.80 | \$218.26 | 94.90 | \$16.73 | 52.70 | \$834.65 | 36.9 |
| (1) Planetree, London (Platanus hybrida) | 6,287.40 | \$146.23 | 113,148.90 | 24,424.80 | \$218.26 | 697.30 | \$122.99 | 19.70 | \$312.59 | 36.9 |
| (1) Planetree, London (Platanus hybrida) | 6,287.40 | \$146.23 | 113,148.90 | 24,424.80 | \$218.26 | 367.40 | \$64.80 | 52.70 | \$834.65 | 36.9 |
| (1) Cherry, Sargent (Prunus sargentii) at 2 inches DBH | 1,619.30 | \$37.66 | 28,689.90 | 6,193.10 | \$55.34 | 55.00 | \$9.69 | 30.50 | \$483.53 | 10.3 |
| (1) Cherry, Sargent (Prunus sargentii) at 2 inches DBH | 1,607.60 | \$37.39 | 35,756.70 | 7,718.60 | \$68.97 | (84.60) | (\$14.92) | (47.00) | (\$744.45) | 15.1 |
| (1) Oak, Swamp white (Quercus bicolor) at 2 inches DBH | 5,261.20 | \$122.36 | 46,102.40 | 9,951.90 | \$88.93 | 102.80 | \$18.13 | 57.10 | \$904.15 | 16.6 |
| (1) Planetree, London (Platanus hybrida) | 6,287.40 | \$146.23 | 113,148.90 | 24,424.80 | \$218.26 | 55.20 | \$9.73 | 30.60 | \$485.18 | 36.9 |
| (1) Apple (Malus species) at 2 inches DBH | 6,322.40 | \$147.04 | 40,044.10 | 8,644.10 | \$77.24 | (9.00) | (\$1.60) | (5.00) | (\$79.58) | 15.7 |
| (1) Oak, Swamp white (Quercus bicolor) at 2 inches DBH | 14,366.00 | \$334.11 | 85,730.60 | 18,506.20 | \$165.37 | (63.50) | (\$11.20) | (35.30) | (\$558.65) | 28.8 |
| (1) Cherry, Sargent (Prunus sargentii) at 2 inches DBH | 1,607.60 | \$37.39 | 35,756.70 | 7,718.60 | \$68.97 | 5.10 | \$0.90 | 2.80 | \$44.89 | 15.1 |
| (1) Oak, Swamp white (Quercus bicolor) at 2 inches DBH | 5,261.20 | \$122.36 | 46,102.40 | 9,951.90 | \$88.93 | 6.30 | \$1.10 | 3.50 | \$54.99 | 16.6 |
| (1) Apple (Malus species) at 2 inches DBH | 6,322.40 | \$147.04 | 40,044.10 | 8,644.10 | \$77.24 | (10.90) | (\$1.92) | (6.10) | (\$95.91) | 15.7 |
| (1) Apple (Malus species) at 2 inches DBH | 6,322.40 | \$147.04 | 40,044.10 | 8,644.10 | \$77.24 | 81.70 | \$14.41 | 6.80 | \$107.76 | 15.7 |
| (1) Apple (Malus species) at 2 inches DBH | 6,322.40 | \$147.04 | 40,044.10 | 8,644.10 | \$77.24 | 17.20 | \$3.04 | 9.60 | \$151.51 | 15.7 |
| (1) Apple (Malus species) at 2 inches DBH | 6,322.40 | \$147.04 | 40,044.10 | 8,644.10 | \$77.24 | (9.00) | (\$1.60) | (5.00) | (\$79.58) | 15.7 |
| (1) Cherry, Sargent (Prunus sargentii) at 2 inches DBH | 1,607.60 | \$37.39 | 35,756.70 | 7,718.60 | \$68.97 | 5.10 | \$0.90 | 2.80 | \$44.89 | 15.1 |

| | | | | | | | | | | |
|---|------------|------------|--------------|------------|------------|-----------|------------|---------|------------|----------|
| (1) Cherry, Sargent (Prunus sargentii) at 2 | 1,607.60 | \$37.39 | 35,756.70 | 7,718.60 | \$68.97 | (18.10) | (\$3.19) | (10.10) | (\$159.26) | 15.1 |
| (1) Oak, Swamp white (Quercus bicolor) : | 14,366.00 | \$334.11 | 85,730.60 | 18,506.20 | \$165.37 | 0.00 | \$0.00 | 0.00 | \$0.00 | 28.8 |
| (1) Planetree, London (Platanus hybrida) | 6,287.40 | \$146.23 | 113,148.90 | 24,424.80 | \$218.26 | 93.70 | \$16.53 | 52.00 | \$824.42 | 36.9 |
| (1) Cherry, Sargent (Prunus sargentii) at 2 | 1,607.60 | \$37.39 | 35,756.70 | 7,718.60 | \$68.97 | (78.30) | (\$13.81) | (43.50) | (\$689.02) | 15.1 |
| (1) Oak, Swamp white (Quercus bicolor) : | 14,366.00 | \$334.11 | 85,730.60 | 18,506.20 | \$165.37 | 2,401.30 | \$423.51 | 21.30 | \$337.14 | 28.8 |
| (1) Planetree, London (Platanus hybrida) | 6,287.40 | \$146.23 | 113,148.90 | 24,424.80 | \$218.26 | 4.20 | \$0.75 | 2.40 | \$37.35 | 36.9 |
| (1) Planetree, London (Platanus hybrida) | 6,287.40 | \$146.23 | 113,148.90 | 24,424.80 | \$218.26 | 785.90 | \$138.60 | 36.90 | \$583.60 | 36.9 |
| (1) Cherry, Sargent (Prunus sargentii) at 2 | 1,607.60 | \$37.39 | 35,756.70 | 7,718.60 | \$68.97 | 822.10 | \$144.99 | 26.80 | \$423.95 | 15.1 |
| (1) Cherry, Sargent (Prunus sargentii) at 2 | 1,619.30 | \$37.66 | 28,689.90 | 6,193.10 | \$55.34 | 56.40 | \$9.95 | 31.30 | \$496.08 | 10.3 |
| (1) Oak, Swamp white (Quercus bicolor) : | 14,366.00 | \$334.11 | 85,730.60 | 18,506.20 | \$165.37 | 6,093.00 | \$1,074.60 | 7.30 | \$115.69 | 28.8 |
| (1) Oak, Swamp white (Quercus bicolor) : | 14,366.00 | \$334.11 | 85,730.60 | 18,506.20 | \$165.37 | (32.30) | (\$5.70) | (17.90) | (\$284.32) | 28.8 |
| (1) Oak, Swamp white (Quercus bicolor) : | 14,366.00 | \$334.11 | 85,730.60 | 18,506.20 | \$165.37 | (6.00) | (\$1.05) | (3.30) | (\$52.59) | 28.8 |
| (1) Planetree, London (Platanus hybrida) | 2,525.50 | \$58.73 | 62,947.00 | 13,588.00 | \$121.42 | (10.90) | (\$1.92) | (6.00) | (\$95.68) | 23.8 |
| (1) Oak, Swamp white (Quercus bicolor) : | 14,366.00 | \$334.11 | 85,730.60 | 18,506.20 | \$165.37 | (6.00) | (\$1.05) | (3.30) | (\$52.59) | 28.8 |
| (1) Apple (Malus species) at 2 inches DBH | 2,301.20 | \$53.52 | 26,440.80 | 5,707.60 | \$51.00 | 3.90 | \$0.70 | 2.20 | \$34.75 | 9.2 |
| (1) Apple (Malus species) at 2 inches DBH | 2,301.20 | \$53.52 | 26,440.80 | 5,707.60 | \$51.00 | (10.50) | (\$1.86) | (5.80) | (\$92.62) | 9.2 |
| (1) Oak, Swamp white (Quercus bicolor) : | 14,366.00 | \$334.11 | 85,730.60 | 18,506.20 | \$165.37 | 6,661.90 | \$1,174.94 | 2.90 | \$46.15 | 28.8 |
| (1) Oak, Swamp white (Quercus bicolor) : | 14,366.00 | \$334.11 | 85,730.60 | 18,506.20 | \$165.37 | 418.20 | \$73.75 | 30.30 | \$480.48 | 28.8 |
| (1) Honeylocust (Gleditsia triacanthos) at | 8,139.80 | \$189.31 | 56,284.70 | 12,149.90 | \$108.57 | 49.10 | \$8.66 | 27.30 | \$432.13 | 14.9 |
| (1) Apple (Malus species) at 2 inches DBH | 6,322.40 | \$147.04 | 40,044.10 | 8,644.10 | \$77.24 | 9.60 | \$1.70 | 5.30 | \$84.55 | 15.7 |
| (1) Oak, Swamp white (Quercus bicolor) : | 14,366.00 | \$334.11 | 85,730.60 | 18,506.20 | \$165.37 | 45.60 | \$8.05 | 25.30 | \$401.52 | 28.8 |
| | 359,239.80 | \$8,354.89 | 3,442,696.20 | 743,155.50 | \$6,640.73 | 26,099.40 | \$4,603.09 | 556.90 | \$8,824.25 | 1,207.60 |

Effects

| NO2 Remove d (pounds) | SO2 Remove d (pounds) | PM2.5 Remove d (pounds) | Tree Biomass (short ton) |
|--------------------------------|--------------------------------|----------------------------------|-----------------------------|
| 2 | 0.9 | 1.1 | 0.4 |
| 2 | 1 | 1 | 1.5 |
| 2 | 1 | 1 | 1.5 |
| 4.4 | 2.2 | 2 | 1.3 |
| 2 | 1 | 1 | 1.5 |
| 1 | 0.5 | 0.4 | 0.3 |
| 2 | 0.9 | 1.1 | 0.4 |
| 2 | 1 | 1 | 1.5 |
| 3.6 | 1.8 | 1.7 | 3.3 |
| 3.6 | 1.8 | 1.7 | 3.3 |
| 2 | 0.9 | 1.1 | 0.4 |
| 1.1 | 0.6 | 0.5 | 0.5 |
| 2 | 0.9 | 1.1 | 0.4 |
| 4.6 | 2.3 | 2.1 | 1.5 |
| 3 | 1.5 | 1.5 | 0.6 |
| 2.1 | 1 | 1 | 1.2 |
| 1.1 | 0.6 | 0.5 | 0.5 |
| 1.1 | 0.6 | 0.5 | 0.5 |
| 4.6 | 2.3 | 2.1 | 1.5 |
| 4.6 | 2.3 | 2.1 | 1.5 |
| 4.6 | 2.3 | 2.1 | 1.5 |
| 4.6 | 2.3 | 2.1 | 1.5 |
| 1.3 | 0.6 | 0.6 | 0.4 |
| 2 | 0.9 | 1.1 | 0.4 |
| 2.1 | 1 | 1 | 1.2 |
| 4.6 | 2.3 | 2.1 | 1.5 |
| 2 | 1 | 1 | 1.5 |
| 3.6 | 1.8 | 1.7 | 3.3 |
| 2 | 0.9 | 1.1 | 0.4 |
| 2.1 | 1 | 1 | 1.2 |
| 2 | 1 | 1 | 1.5 |
| 2 | 1 | 1 | 1.5 |
| 2 | 1 | 1 | 1.5 |
| 2 | 1 | 1 | 1.5 |
| 2 | 0.9 | 1.1 | 0.4 |

| | | | |
|-------|------|-----|------|
| 2 | 0.9 | 1.1 | 0.4 |
| 3.6 | 1.8 | 1.7 | 3.3 |
| 4.6 | 2.3 | 2.1 | 1.5 |
| 2 | 0.9 | 1.1 | 0.4 |
| 3.6 | 1.8 | 1.7 | 3.3 |
| 4.6 | 2.3 | 2.1 | 1.5 |
| 4.6 | 2.3 | 2.1 | 1.5 |
| 2 | 0.9 | 1.1 | 0.4 |
| 1.3 | 0.6 | 0.6 | 0.4 |
| 3.6 | 1.8 | 1.7 | 3.3 |
| 3.6 | 1.8 | 1.7 | 3.3 |
| 3.6 | 1.8 | 1.7 | 3.3 |
| 3 | 1.5 | 1.5 | 0.6 |
| 3.6 | 1.8 | 1.7 | 3.3 |
| 1.1 | 0.6 | 0.5 | 0.5 |
| 1.1 | 0.6 | 0.5 | 0.5 |
| 3.6 | 1.8 | 1.7 | 3.3 |
| 3.6 | 1.8 | 1.7 | 3.3 |
| 1.7 | 1 | 0.6 | 1.9 |
| 2 | 1 | 1 | 1.5 |
| 3.6 | 1.8 | 1.7 | 3.3 |
| 152.1 | 75.2 | 73 | 83.7 |