

| Green Oak Master Sewer Operation and Maintenance Projected Cost of Service / User Revenue Requirements YE 03/31/13 - 03/31/19 | | | | | | | | | | | | |
|--|---|-------------------|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--|
| HISTORICAL | | | | | | | | | | | | |
| AUDITED | | | UNAUDITED | FORECAST | | | | | | | | |
| Year Ended | Year Ended | Year Ended | Year Ended | Year Ended | Year Ended | Year Ended | Year Ended | Year Ended | Year Ended | Year Ended | Year Ended | Projection assumptions |
| 03/31/10 | 03/31/11 | 03/31/12 | 03/31/13 | 03/31/14 | 03/31/15 | 03/31/16 | 03/31/17 | 03/31/18 | 03/31/19 | | | |
| COST OF SERVICE | | | | | | | | | | | | |
| 593-000-802-000 | Legal fees | - | - | 5,715.00 | 5,890.00 | 6,070.00 | 6,250.00 | 6,440.00 | 6,630.00 | 6,830.00 | 7,030.00 | 03/31/12 as base, 3% increase over prior year |
| 593-000-804-000 | Contracted services - operator | 170,885.18 | 180,989.33 | 166,793.14 | 73,200.00 | 73,200.00 | 73,200.00 | 75,000.00 | 75,000.00 | 75,000.00 | 75,000.00 | \$6,100 / month 04/2012 - 3/2015, \$6,250 / month 04/2015 - 03/2018 |
| | Contracted services - biosolids removal | - | - | - | 25,000.00 | 25,000.00 | 25,000.00 | 25,000.00 | 25,000.00 | 25,000.00 | 25,000.00 | as projected by sewer committee |
| | Contracted services - sand beds | - | - | - | 42,000.00 | 6,000.00 | 6,000.00 | 6,000.00 | 6,000.00 | 6,000.00 | 6,000.00 | as projected by sewer committee |
| | Contracted services - sodium monitoring | - | - | - | 105,000.00 | 2,000.00 | 2,000.00 | 2,000.00 | 2,000.00 | 2,000.00 | 2,000.00 | \$103,000 for wells, \$2,000 annual monitoring services included in contracted services line items above |
| 593-000-805-000 | Contract Labor | - | 43,733.10 | 54,446.70 | - | - | - | - | - | - | - | \$5,000 annually per 4/30/12 meeting |
| 593-000-806-000 | Engineering fees - general | 2,776.32 | 16,473.88 | 6,039.50 | 5,000.00 | 5,000.00 | 5,000.00 | 5,000.00 | 5,000.00 | 5,000.00 | 5,000.00 | 03/31/12 as base, 3% increase per year |
| 593-000-811-000 | Lawn/snow contract | 1,470.00 | 1,430.00 | 1,520.00 | 1,570.00 | 1,620.00 | 1,670.00 | 1,720.00 | 1,770.00 | 1,820.00 | 1,870.00 | 03/31/12 as base, 3% increase per year |
| 593-000-850-000 | Telephone Exp | 2,884.68 | 380.61 | 382.17 | 390.00 | 400.00 | 410.00 | 420.00 | 430.00 | 440.00 | 450.00 | 03/31/12 as base, 3% increase per year |
| 593-000-920-000 | Natural Gas & Heating Oil | 957.57 | 1,451.06 | 525.35 | 1,000.00 | 1,030.00 | 1,060.00 | 1,090.00 | 1,120.00 | 1,150.00 | 1,180.00 | Avg 03/31/11 & 03/31/12 as base, 3% increase per year |
| 593-000-921-000 | Electric expense - WWTP | 12,709.32 | 89,483.58 | 95,360.64 | 87,550.00 | 90,180.00 | 92,890.00 | 95,680.00 | 98,550.00 | 101,510.00 | 104,560.00 | 03/31/12 as base, 3% increase per year |
| | Electric expense - pump/lift stations | - | - | - | 10,300.00 | 10,610.00 | 10,930.00 | 11,260.00 | 11,600.00 | 11,950.00 | 12,310.00 | 03/31/12 as base, 3% increase per year |
| 593-000-923-000 | Utilities - Water | - | 238.35 | 149.76 | 200.00 | 210.00 | 220.00 | 230.00 | 240.00 | 250.00 | 260.00 | 03/31/12 as base, 3% increase per year |
| 593-000-928-000 | Department Operating Supp | 1,353.96 | 4,103.83 | 1,328.93 | 1,370.00 | 1,410.00 | 1,450.00 | 1,490.00 | 1,530.00 | 1,580.00 | 1,630.00 | 03/31/12 as base, 3% increase per year |
| 593-000-928-001 | Building Maintenance Supplies | 35.98 | 408.04 | 1,916.15 | 1,970.00 | 2,030.00 | 2,090.00 | 2,150.00 | 2,210.00 | 2,280.00 | 2,350.00 | 03/31/12 as base, 3% increase per year |
| 593-000-928-004 | Postage | 1,078.62 | 652.92 | - | 750.00 | 770.00 | 790.00 | 810.00 | 830.00 | 850.00 | 880.00 | \$750 as base, 3% increase per year |
| 593-000-937-000 | Operational equipment R&M | 5,059.73 | 2,872.22 | 10,833.00 | - | - | - | - | - | - | - | included in greater detail in line items just below |
| | Pump station repairs and maintenance | - | - | - | 15,000.00 | 12,000.00 | 5,000.00 | 5,000.00 | 12,000.00 | 5,000.00 | 5,000.00 | as projected by sewer committee |
| | Grinder pump rebuilds and replacements | - | - | - | 19,200.00 | 19,200.00 | 19,200.00 | 19,200.00 | 19,200.00 | 19,200.00 | 19,200.00 | as projected by sewer committee |
| | Transducer replacements | - | - | - | 1,800.00 | 1,800.00 | 1,800.00 | 1,800.00 | 1,800.00 | 1,800.00 | 1,800.00 | as projected by sewer committee |
| | Blowers and motors | - | - | - | 2,500.00 | 2,500.00 | 2,500.00 | 2,500.00 | 2,500.00 | 2,500.00 | 2,500.00 | as projected by sewer committee |
| | Mixer replacements | - | - | - | - | - | 10,000.00 | - | - | - | 10,000.00 | as projected by sewer committee |
| | EQ tank carbon | - | - | - | 4,000.00 | 2,000.00 | 4,000.00 | 2,000.00 | 4,000.00 | 2,000.00 | 4,000.00 | as projected by sewer committee |
| | EQ tank clean & coat | - | - | - | - | 50,000.00 | - | - | - | 30,000.00 | - | as projected by sewer committee |
| | Muffin monster rebuild | - | - | - | - | - | 10,000.00 | - | - | 10,000.00 | - | as projected by sewer committee |
| | Filter system maintenance | - | - | - | - | 2,000.00 | - | 2,000.00 | - | 2,000.00 | - | as projected by sewer committee |
| 593-000-957-000 | Miscellaneous Expenses | 35.98 | 341.86 | 802.66 | - | - | - | - | - | - | - | included in contingency line item below |
| 593-000-957-005 | Out Of Scope Services | 1,093.90 | 22,295.45 | 132,854.25 | 20,000.00 | 20,000.00 | 20,000.00 | 20,000.00 | 20,000.00 | 20,000.00 | 20,000.00 | as projected by sewer committee |
| 593-000-957-017 | Miss Dig Expenditure | 587.88 | 617.88 | 2,180.17 | 1,000.00 | 1,030.00 | 1,060.00 | 1,090.00 | 1,120.00 | 1,150.00 | 1,180.00 | \$1,000 as base, 3% increase per year |
| 593-000-960-000 | Prior Year Expenses | - | 40,000.00 | - | - | - | - | - | - | - | - | - |
| 593-000-961-000 | Permit fees | 4,209.98 | 6,322.92 | 7,121.20 | 7,330.00 | 7,550.00 | 7,780.00 | 8,010.00 | 8,250.00 | 8,500.00 | 8,760.00 | 03/31/12 as base, 3% increase per year |
| 593-000-970-000 | Capital Outlay | - | 48,075.00 | 5,286.00 | - | - | - | - | - | - | - | included in greater detail in line items just below |
| 593-000-970-002 | Small equipment | 5,686.00 | 6,231.00 | - | - | - | - | - | - | - | - | included in greater detail in line items below |
| | Testing equipment | - | - | - | 15,000.00 | 2,000.00 | 2,000.00 | 2,000.00 | 2,000.00 | 2,000.00 | 2,000.00 | as projected by sewer committee |
| 593-000-991-000 | Service fees | 512.63 | (252.08) | - | - | - | - | - | - | - | - | - |
| | Allocation of township administrative costs | - | - | - | 15,000.00 | 15,450.00 | 15,910.00 | 16,390.00 | 16,880.00 | 17,390.00 | 17,910.00 | \$10,000 as base, 3% increase per year |
| 593-000-999-000 | Contributions to Other Funds | - | 556,500.00 | 267,500.00 | - | - | - | - | - | - | - | - |
| | Contribution to capital reserve fund | - | - | - | - | 85,000.00 | 115,000.00 | 125,000.00 | 125,000.00 | 130,000.00 | 135,000.00 | This needs more detailed examination / engineering studies |
| | Contribution to O&M reserves | - | - | - | - | - | - | - | - | - | - | Build up O&M reserve for 90 days of expenditures, incremental each year |
| | Contribution to rate stabilization reserves | - | - | - | - | - | - | - | - | - | - | - |
| | Contribution to CPF to close | - | - | - | - | - | - | - | - | - | - | - |
| | Contingency | - | - | - | 10,000.00 | 10,300.00 | 10,610.00 | 10,930.00 | 11,260.00 | 11,600.00 | 11,950.00 | \$10,000 as base, 3% increase per year |
| TOTAL COST OF SERVICE (REVENUE REQUIREMENTS) | | 211,337.73 | 1,022,348.95 | 760,754.62 | 472,020.00 | 456,360.00 | 453,820.00 | 450,210.00 | 461,920.00 | 504,800.00 | 484,820.00 | |
| NON USER REVENUE SOURCES | | | | | | | | | | | | |
| | Interest income | - | - | - | - | - | - | - | - | - | 500.00 | |
| | Other revenues | - | - | - | 1,000.00 | 1,000.00 | 1,000.00 | 1,000.00 | 1,000.00 | 1,000.00 | 1,000.00 | |
| | Use of capital reserves | - | - | - | - | - | - | - | - | - | - | |
| | Use of new user reserves | - | - | - | - | - | - | - | - | - | - | |
| | Loans from general fund | - | - | - | - | - | - | - | - | - | - | |
| TOTAL NON USER REVENUE SOURCES | | | | | 1,000.00 | 1,000.00 | 1,000.00 | 1,000.00 | 1,000.00 | 1,000.00 | 1,500.00 | |
| REVENUES NEEDED FROM USERS | | | | | 471,020.00 | 455,360.00 | 452,820.00 | 449,210.00 | 460,920.00 | 503,800.00 | 483,320.00 | |
| REU'S SERVED | | | | | 1,120.00 | 1,120.00 | 1,120.00 | 1,120.00 | 1,120.00 | 1,120.00 | 1,120.00 | no additional REUs connected to system for next 6 years (CONSERVATIVE) |
| ANNUAL REVENUE PER REU NEEDED | | | | | 420.55 | 406.57 | 404.30 | 401.08 | 411.54 | 449.82 | 431.54 | |
| QUARTERLY REVENUE PER REU NEEDED | | | | 79.00 | 105.14 | 101.64 | 101.08 | 100.27 | 102.89 | 112.46 | 107.89 | |
| QUARTERLY REVENUE PER REU IMPOSED | | | | 79.00 | 95.00 | 102.00 | 102.00 | 102.00 | 105.00 | 110.00 | 112.00 | |
| ANNUAL RATE REVENUE EXPECTED SYSTEM WIDE | | | | | 407,680.00 | 456,960.00 | 456,960.00 | 456,960.00 | 470,400.00 | 492,800.00 | 501,760.00 | |
| | Quarterly rate increase (decrease) | % | Ideal | | 33.09% | -3.33% | -0.55% | -0.80% | 2.61% | 9.30% | -4.06% | |
| | | \$ | Ideal | | 26.14 | (3.50) | (0.56) | (0.81) | 2.62 | 9.57 | (4.57) | |
| | | % | Imposed | | 20.25% | 7.37% | 0.00% | 0.00% | 2.94% | 4.76% | 1.82% | |
| | | \$ | Imposed | | 16.00 | 7.00 | - | - | 3.00 | 5.00 | 2.00 | |