

Green Oak Master Sewer Operation and Maintenance Forecast											
HISTORICAL											
FORECAST											
Projection assumptions											
	Year Ended 03/31/10	Year Ended 03/31/11	Year Ended 03/31/12	Year Ended 03/31/13	Year Ended 03/31/14	Year Ended 03/31/15	Year Ended 03/31/16	Year Ended 03/31/17	Year Ended 03/31/18	Year Ended 03/31/19	
<b>FINANCIAL RESOURCE INFLOW</b>											
Rate revenues	338,263.88	342,438.70	358,708.58	407,680.00	456,960.00	456,960.00	456,960.00	470,400.00	492,800.00	501,760.00	Per cost of service analysis, billable REUs in place and quarter rate imposed
Penalty revenues	8,641.35	8,584.21	3,917.67	8,150.00	9,140.00	9,140.00	9,140.00	9,410.00	9,860.00	10,040.00	2% of billings
Interest income	3,984.00	1,339.39	136.96	-	-	-	-	-	-	500.00	minimal interest during projection period
Other revenues	9,950.00	-	1,893.50	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	1,000.00	
Transfers from other funds	-	-	-	150,000.00	-	-	-	-	-	-	
Advances from other funds	-	-	-	-	-	-	-	-	-	-	
<b>TOTAL FINANCIAL RESOURCE INFLOWS</b>	<b>360,839.23</b>	<b>352,362.30</b>	<b>364,656.71</b>	<b>566,830.00</b>	<b>467,100.00</b>	<b>467,100.00</b>	<b>467,100.00</b>	<b>480,810.00</b>	<b>503,660.00</b>	<b>513,300.00</b>	
<b>COST OF SERVICE</b>											
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
593-000-805-000 Contract Labor	-	43,733.10	54,446.70	-	-	-	-	-	-	-	included in contracted services line items above
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	\$5,000 annually per 4/30/12 meeting
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	1,353.98	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 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 Sewer 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
<b>TOTAL COST OF SERVICE</b>	<b>211,337.73</b>	<b>1,022,348.95</b>	<b>760,754.62</b>	<b>472,020.00</b>	<b>456,360.00</b>	<b>453,820.00</b>	<b>450,210.00</b>	<b>461,920.00</b>	<b>504,800.00</b>	<b>484,820.00</b>	
<b>NET REVENUES OVER (UNDER) COST OF SERVICE</b>	<b>149,501.50</b>	<b>(669,986.65)</b>	<b>(396,097.91)</b>	<b>94,810.00</b>	<b>10,740.00</b>	<b>13,280.00</b>	<b>16,890.00</b>	<b>18,890.00</b>	<b>(1,140.00)</b>	<b>28,480.00</b>	
<b>FUND BALANCE (DEFICIT) - BEGINNING OF YEAR</b>	<b>872,437.14</b>	<b>1,021,938.64</b>	<b>351,951.99</b>	<b>(44,145.92)</b>	<b>50,664.08</b>	<b>61,404.08</b>	<b>74,684.08</b>	<b>91,574.08</b>	<b>110,464.08</b>	<b>109,324.08</b>	
<b>FUND BALANCE (DEFICIT) - END OF YEAR</b>	<b>1,021,938.64</b>	<b>351,951.99</b>	<b>(44,145.92)</b>	<b>50,664.08</b>	<b>61,404.08</b>	<b>74,684.08</b>	<b>91,574.08</b>	<b>110,464.08</b>	<b>109,324.08</b>	<b>137,804.08</b>	Target O&M reserves at 90-180 days expenditures
90 days expenditures for year				115,510.00	90,270.00	82,050.00	78,570.00	81,420.00	90,800.00	84,470.00	
180 days expenditures for year				231,010.00	180,530.00	164,110.00	157,140.00	162,830.00	181,600.00	168,940.00	