

VILLAGE OF VICKSBURG (MICHIGAN) SEWER FUND

CASH FLOW ANALYSIS

	<u>2017/18</u>	<u>2018/19</u>	<u>2019/20</u>	<u>Increase</u>	<u>2020/21</u>
Assumptions					
Total 3/4" meters billed	688	688	688		688
Total 1" meters billed	490	490	490		490
Total 2" meters billed	26	26	26		26
Base charge/quarter (3/4" meter)	\$7.80	\$41.25	\$41.25	3.50%	\$42.69
Base charge/quarter (1" meter)	\$19.65	\$73.33	\$73.33	3.50%	\$75.90
Base charge/quarter (2" meter)	\$97.65	\$293.33	\$293.33	3.50%	\$303.60
Debt charge/quarter (3/4" meter)	\$20.85				
Debt charge/quarter (1" meter)	\$37.50				
Debt charge/quarter (2" meter)	\$195.00				
Consumption billed/year (mgal)	68,723	68,723	68,723		68,723
Consumption charge (mgal)	\$3.95	\$6.25	\$8.60	3.50%	\$8.90
Flat rate REU's billed	11	11	11		11
Flat rate REU charge/quarter	\$59.10	\$125.63	\$157.35		\$162.86
<i>Typical homeowner's bill (assumes 13,500 gallons/quarter)</i>	\$81.98	\$125.63	\$157.35		\$162.86
Revenues					
Rates & charges					
Base charge (3/4" meter)	\$21,466	\$113,520	\$113,520		\$117,493
Base charge (1" meter)	38,514	143,733	143,733		148,764
Base charge (2" meter)	10,156	30,507	30,507		31,574
Debt charge (3/4" meter)	57,379	-	-		-
Debt charge (1" meter)	73,500	-	-		-
Debt charge (2" meter)	20,280	-	-		-
Consumption charge	271,456	429,519	591,018		611,703
Flat rate charge	2,600	5,528	6,923		7,166
Total rates & charges revenue	495,351	722,806	885,701		916,701
South County Sewer & Water Authority maintenance revenue	17,885	17,885	17,885		17,885
Other	45,000	45,000	45,000		45,000
<b>Total revenues</b>	<b>558,235</b>	<b>785,691</b>	<b>948,586</b>		<b>979,585</b>
Less: Total operating expenditures	(410,600)	(373,391)	(381,399)		(389,632)
Net operating revenue	147,635	412,300	567,187		589,954
Add: South County Sewer & Water Authority debt repayment	-	-	50,000		50,000
Less: Current debt service payments	(127,149)	(124,842)	(122,385)		(119,790)
System CCTV, root cutting and cleaning	-	(33,974)	(33,974)		(33,974)
Estimated cash-funded capital improvements	-	(249,169)	-		(178,177)
Estimated debt service #1 2019/20 bonds [1]			(138,775)		(392,000)
Net cash flow	\$20,486	\$4,315	\$322,052		(\$83,987)
Unrestricted cash & investments	\$505,506	\$525,992	\$530,307		\$768,372

[1] Estimated debt service payments on a \$8,880,500 40-year bond issue at the current USDA intermediate rate (3.125%).