

MICHIGAN RURAL WATER ASSOCIATION RATE EVALUATION PROGRAM

[illegible]

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Missaukee Drain #2	
LABOR & BENEFITS	
Payroll - Total	\$ 67,130.00
Fringe Benefits (includes Med. Ins., Retire., Life, ect)	\$ 18,150.00
SUB TOTAL LABOR & BENEFITS	\$ 85,280.00
Cost of Inflation Increase	5.00%
TOTAL LABOR & BENEFITS	\$ 89,544.00
ARE EMPLOYEES MAKING A LIVABLE WAGE AND RECEIVING INCREASES ANNUALLY?	

Missaukee Drain #2				
LAGOON CLEANING RESERVE				
	Estimated Cleaning Cost	Years to Save	Cost per Year	
Sludge Removal Pond 1	\$ 150,000.00	10	\$	15,000.00
Sludge Removal Pond 2	\$ 150,000.00	11	\$	13,636.36
	TOTAL		\$	28,636.36
	Percent Funded		100%	
	TOTAL		\$	28,636.36

Missaukee Drain #2				CURRENT BALANCE	INTEREST RATE	
EQUIPMENT REPLACEMENT BALANCE SHEET					0.00%	
YEAR	PURPOSE	PURCHASE	WITHDRAWAL	ANNUAL PAYMENT	RUNNING BALANCE	
2016				\$ 156,615.74	\$ 168,231.74	
2017	Irrigation System	\$ 100,000.00		\$ 156,615.74	\$ 224,847.48	
	Lift Station #4 Pump 1	\$ 20,000.00		\$ 156,615.74	\$ (20,000.00)	
	High Service Pump 1	\$ 5,000.00		\$ 156,615.74	\$ 219,847.48	
2018	Lift Station #4 Pump 2	\$ 6,000.00		\$ 156,615.74	\$ 130,615.74	
	High Service Pump 2	\$ 5,000.00		\$ 156,615.74	\$ 214,847.48	
2019	Lift Station #4 Pump 3	\$ 6,000.00		\$ 156,615.74	\$ 281,231.48	
	High Service Pump 3	\$ 5,000.00		\$ 156,615.74	\$ 209,847.48	
2020				\$ 156,615.74	\$ 437,847.22	
2021	3/4 Pick up w/ attachments	\$ 40,000.00		\$ 156,615.74	\$ 326,463.22	
2022				\$ 156,615.74	\$ 437,847.22	
2023				\$ 156,615.74	\$ 483,078.96	
2024				\$ 156,615.74	\$ 584,482.98	
2025	Lift station crane	\$ 8,500.00		\$ 156,615.74	\$ 639,684.70	
2026	Portable Generator	\$ 50,000.00		\$ 156,615.74	\$ 744,578.70	
	Lift Station #3	\$ 25,000.00		\$ 156,615.74	\$ 746,310.44	
	Portable Pump	\$ 15,000.00		\$ 156,615.74	\$ 719,578.70	
2027				\$ 156,615.74	\$ 731,310.44	
2028				\$ 156,615.74	\$ 876,194.44	
2029				\$ 156,615.74	\$ 887,926.18	
2030				\$ 156,615.74	\$ 1,032,810.18	
2031	Lift Station #1	\$ 10,000.00		\$ 156,615.74	\$ 1,044,541.92	
	Lift Station #2	\$ 10,000.00		\$ 156,615.74	\$ 1,179,425.92	
	Lift Station #5	\$ 5,000.00		\$ 156,615.74	\$ 1,034,541.92	
	Lift Station #6	\$ 5,000.00		\$ 156,615.74	\$ 1,174,425.92	
2032	Bush Hog	\$ 3,000.00		\$ 156,615.74	\$ 1,328,041.66	
2033	Equip. trailer	\$ 5,200.00		\$ 156,615.74	\$ 1,180,957.66	
2034	Landscape Rake	\$ 1,000.00		\$ 156,615.74	\$ 1,483,657.40	
	Tractor w/ attachments	\$ 30,000.00		\$ 156,615.74	\$ 1,150,957.66	
2035	Box Blade	\$ 1,000.00		\$ 156,615.74	\$ 1,482,657.40	
2036				\$ 156,615.74	\$ 1,307,573.40	
2037	Grimmer Stations	\$ 187,500.00		\$ 156,615.74	\$ 1,639,273.13	
	Grimder Stations	\$ 187,500.00		\$ 156,615.74	\$ 1,276,689.13	
				\$ 156,615.74	\$ 1,608,388.87	
				\$ 156,615.74		

Missaukee Drain #2				CURRENT BALANCE	
EQUIPMENT REPLACEMENT BALANCE SHEET				INTEREST RATE	0.00%
YEAR	PURPOSE	PURCHASE WITHDRAWAL	ANNUAL PAYMENT	RUNNING BALANCE	
2016			\$ 156,615.74	\$ 168,231.74	
2017	Irrigation System	\$ 100,000.00	\$	\$ 224,947.48	
	Lift Station #4 Pump 1	\$ 20,000.00	\$ 156,615.74	\$ (20,000.00)	
	High Service Pump 1	\$ 5,000.00		\$ 219,947.48	
2018	Lift Station #4 Pump 2	\$ 6,000.00	\$	\$ 130,615.74	
	High Service Pump 2	\$ 5,000.00	\$ 156,615.74	\$ 214,947.48	
2019	Lift Station #4 Pump 3	\$ 6,000.00	\$	\$ 281,231.48	
	High Service Pump 3	\$ 5,000.00	\$ 156,615.74	\$ 209,847.48	
2020			\$ 156,615.74	\$ 437,847.22	
2021	3/4 Pick up w/ attachments	\$ 40,000.00	\$ 156,615.74	\$ 326,463.22	
2022				\$ 437,847.22	
2023			\$ 156,615.74	\$ 483,078.96	
2024			\$ 156,615.74	\$ 594,482.96	
2025	Lift station crane	\$ 6,500.00	\$	\$ 639,684.70	
2026	Portable Generator	\$ 50,000.00	\$ 156,615.74	\$ 744,578.70	
	Lift Station #3	\$ 25,000.00	\$ 156,615.74	\$ 746,310.44	
	Portable Pump	\$ 15,000.00		\$ 719,578.70	
2027			\$	\$ 731,310.44	
2028			\$ 156,615.74	\$ 876,194.44	
2029			\$ 156,615.74	\$ 887,926.18	
2030			\$ 156,615.74	\$ 1,032,810.18	
2031	Lift Station #1	\$ 10,000.00	\$	\$ 1,044,541.92	
	Lift Station #2	\$ 10,000.00	\$ 156,615.74	\$ 1,179,425.92	
	Lift Station #5	\$ 5,000.00		\$ 1,034,541.92	
	Lift Station #6	\$ 5,000.00		\$ 1,174,425.92	
2032	Brush Hog	\$ 3,000.00	\$	\$ 1,029,541.92	
2033	Equip. trailer	\$ 5,200.00	\$ 156,615.74	\$ 1,328,041.66	
2034	Landscape Rake	\$ 1,000.00	\$	\$ 1,180,957.86	
	Tractor w/ attachments	\$ 30,000.00	\$ 156,615.74	\$ 1,483,657.40	
	Box Blade	\$ 1,000.00		\$ 1,150,957.66	
2035			\$	\$ 1,482,657.40	
2036	Grinder Stations	\$ 187,500.00	\$ 156,615.74	\$ 1,639,273.13	
2037	Grinder Stations	\$ 187,500.00	\$	\$ 1,276,889.13	
			\$ 156,615.74	\$ 1,608,388.87	

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Missaukee Drain #2

2016

PERCENT					
FINAL RATE ANALYSIS		BASE RATE			
TOTAL BUDGET		100%			
LABOR & BENEFITS	TOTAL BUDGET	100%	BASE PORTION	COST PER 3/4" METER	VARIABLE PORTION
OPERATIONAL EXPENSES / VARIABLE	\$ 89,544.00	100%	\$ 89,544.00	\$ 15.60	\$ -
	\$ 126,864.28	100%	\$ 126,864.28	\$ 22.10	\$ -
	\$ -	100%	\$ -	\$ -	\$ -
DEPRECIATION FUND	\$ 12,448.00	100%	\$ 12,448.00	\$ 2.17	\$ -
LAGOON CLEANING RESERVE	\$ 28,636.36	100%	\$ 28,636.36	\$ 4.99	\$ -
REPAIR REPLACEMENT & IMPROVEMENT	\$ 32,461.24	100%	\$ 32,461.24	\$ 5.66	\$ -
EQUIPMENT REPLACEMENT	\$ 156,615.74	100%	\$ 156,615.74	\$ 27.28	\$ -
CAPITAL IMPROVEMENT		100%	\$ -	\$ -	\$ -
		100%	\$ -	\$ -	\$ -
TOTALS	\$ 446,569.62		\$ 446,569.62	\$ 77.80	\$ -

BILLING UNITS

5,740

NON OPERATING INCOME REDUCTION

\$ -

SUGGESTED RATES - BASED ON COST PER >

REU / METER

\$ 77.80

UNIT / WATER

Reserve Portion of Budget 52%

Gallons Included with Minimum Bill = 0

NOTES