

**CITY OF MUSKEGON
MUSKEGON COUNTY, MICHIGAN
DWRP PROJECT PLAN
ANNUAL COST SUMMARY**

<u>No.</u>	<u>Project</u>	<u>DWRP Project Cost Estimate</u>	<u>Annual Debt Service*</u>	<u>Operation & Maintenance Increase/Decrease</u>	<u>Total Annual Cost</u>
FY 2020 - DWRP					
1.	Harvey Booster Station	\$1,135,000	\$69,413	\$0	\$69,413
2.	Filtration Plant Structural Repairs	\$990,000	\$60,545	\$0	\$60,545
3.	Amity Avenue	\$1,650,000	\$100,909	\$0	\$100,909
4.	Peck Street Water Main and Services	\$1,355,000	\$82,867	-\$5,950	\$76,917
5.	Water Service Replacements	\$330,000	\$20,182	\$0	\$20,182
	Total FY 2020:	\$5,460,000	\$333,916	-\$5,950	\$327,966
	Existing REU's				14,182
	Annual REU Cost**				\$9.16
	Monthly REU Cost**				\$0.76
FY 2021 - DWRP					
6.	Filtration Plant Clarifiers	\$300,000	\$18,347	\$0	\$18,347
7.	Filtration Plant Intake	\$200,000	\$12,231	\$0	\$12,231
8.	Security Improvements	\$80,000	\$4,893	\$0	\$4,893
9.	Filtration Plant High Service Pump	\$80,000	\$4,893	\$0	\$4,893
10.	Glenside Neighborhood Phase II	\$1,990,000	\$121,702	\$0	\$121,702
11.	Sanford Street and Peck Street Water Main and Services	\$599,000	\$36,633	-\$2,040	\$34,593
12.	Morton Avenue	\$806,000	\$49,292	\$0	\$49,292
13.	Water Service Replacements	\$970,000	\$59,322	\$0	\$59,322
	Total FY 2020:	\$5,025,000	\$307,313	-\$2,040	\$305,273
	Existing REU's				14,182
	Annual REU Cost**				\$4.26
	Monthly REU Cost**				\$0.36

*Annual debt service based on 20 year loan with a 2.00% interest rate.

**REU Cost based on total present worth

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FY 2022 - DWRP					
13.	Filtration Plant Chemical Feed Improvements	\$100,000	\$6,116	\$0	\$6,116
15.	Madison Street	\$1,610,000	\$98,462	\$0	\$98,462
16.	Edgewater Street	\$399,000	\$24,402	\$0	\$24,402
17.	Water Service Replacements	\$665,000	\$40,669	\$0	\$40,669
	Total FY 2020:	\$2,774,000	\$169,649	\$0	\$169,649
	Existing REU's				14,182
	Annual REU Cost**				\$5.70
	Monthly REU Cost**				\$0.47
FY 2023 - DWRP					
18.	Sanford Street Water Main and Services	\$661,000	\$40,425	-\$2,805	\$37,620
19.	Glenside Neighborhood Phase III	\$1,371,000	\$83,846	\$0	\$83,846
20.	Dale Avenue	\$1,512,000	\$92,469	\$0	\$92,469
21.	Water Service Replacements	\$600,000	\$36,694	\$0	\$36,694
	Total FY 2020:	\$4,144,000	\$253,433	-\$2,805	\$250,628
	Existing REU's				14,182
	Annual REU Cost**				\$5.95
	Monthly REU Cost**				\$0.50
FY 2024 - DWRP					
22.	Glenside Neighborhood Phase IV	\$2,010,000	\$122,925	\$0	\$122,925
23.	Catherine Avenue	\$1,073,000	\$65,621	\$0	\$65,621
24.	Water Service Replacements	\$420,000	\$25,686	\$0	\$25,686
	Total FY 2020:	\$3,503,000	\$214,232	\$0	\$214,232
	Existing REU's				14,182
	Annual REU Cost**				\$5.22
	Monthly REU Cost**				\$0.43

*Annual debt service based on 20 year loan with a 2.00% interest rate.

**REU Cost based on total present worth