

Table 7
MRWPCA Capacity Charge Update
Wastewater Capacity Charge Calculation

Cost Recovery % per EDU		
Flow	BOD	SS
57.12%	19.00%	23.88%

Customer Class				Wastewater Flow		Wastewater Strength			EDUs Flow Factor x Strength Factor	Capacity Charge per Unit
				Flow/Unit gpd	Flow Factor ¹	BOD mg/l	SS mg/l	Strength Factor ²		
RESIDENTIAL										
	102/105 107/109	Residential	Each living unit	150	1.00	300	300	1.00	1.000	\$3,389.13
COMMERCIAL/INSTITUTIONAL										
A.	001	Business/Government	Location/each business	117	0.78	150	150	0.79	0.613	2,076.75
D.	221	Hotel/Motel	Each room	66	0.44	310	120	0.86	0.380	1,287.00
E.	222	Bed & Breakfast Inn	Each room	43	0.29	310	120	0.86	0.247	838.50
F.	231	Supermarket	Location	638	4.25	800	800	1.71	7.293	24,717.09
G.	241	Medical Office	Each licensed physician	156	1.04	130	80	0.72	0.746	2,527.96
H.	242	Dental Office	Each licensed dentist	215	1.43	130	80	0.72	1.028	3,484.05
I.	243	Rest Home/Convalescent	Each bed of licensed capacity	43	0.29	250	100	0.81	0.232	786.11
J.	244	General Hospital	Each bed of licensed capacity	256	1.71	250	100	0.81	1.381	4,680.12
K.	245	Animal Hospital	Location/each business	292	1.95	250	100	0.81	1.575	5,338.26
L.	261	Restaurant—One Meal	Each restaurant seat	6	0.04	1,000	600	1.68	0.067	228.04
	262	Restaurant—Two Meals	Each restaurant seat	9	0.06	1,000	600	1.68	0.101	342.06
	263	Restaurant—Three Meals	Each restaurant seat	17	0.11	1,000	600	1.68	0.191	646.11
M.	264	Restaurant w/Bar	Each restaurant seat	17	0.11	1,000	600	1.68	0.191	646.11
N.	265	Bar	Location/each business	254	1.69	200	200	0.86	1.451	4,918.64
O.	266	Nightclub	Location/each business	760	5.07	200	200	0.86	4.342	14,717.20
P.	267	Takeout Food—Small	Location/each business	283	1.89	500	300	1.13	2.126	7,204.09
	268	Takeout Food—Medium	Location/each business	697	4.65	500	300	1.13	5.235	17,742.92
	269	Takeout Food—Large	Location/each business	1,270	8.47	500	300	1.13	9.539	32,329.29
Q.	270	Bakery	Location/each business	230	1.53	1,000	600	1.68	2.579	8,741.49
R.	281	Theater	Per screen at each location	377	2.51	150	150	0.79	1.974	6,691.75
S.	282	Bowling Center	Location/each business	1,146	7.64	150	150	0.79	6.002	20,341.50
T.	290	Mortuary	Location/each business	310	2.07	800	800	1.71	3.544	12,009.87
U.	291	School (Minimum)	Each business	117	0.78	150	150	0.79	0.613	2,076.75
	292	School (0-6)	School population	2	0.01	130	100	0.73	0.010	33.13
	293	School (7-College)	School population	4	0.03	130	100	0.73	0.020	66.26
	294	Boarding School	School population	40	0.27	233	165	0.85	0.227	768.30
V.	331	Service Station/Repair	Location/each business	112	0.75	180	280	0.91	0.678	2,297.94
	332	Service Station/Repair (11-20)	Location/each business	112	0.75	180	280	0.91	0.678	2,297.94
W.	353	Dry Cleaners	Location/each business	386	2.57	150	150	0.79	2.022	6,851.50
X.	354	Laundromats	Each washing machine	102	0.68	150	110	0.75	0.513	1,737.12
			Mobile washers	34	0.23	20	150	0.70	0.159	540.25
SPECIAL USERS (Billed Individually)										
		Separate Billed Industrial/Commercial								
		Flow (\$ per gpd)								1,935.73
		BOD (\$ per lb / year)								643.94
		SS (\$ per lb / year)								809.46

1 Flow Factor = Wastewater Flow in gallons per day (gpd) / 150

2 Strength Factor = $0.5712 + [0.1900 \times \text{BOD strength} / 300] + [0.2388 \times \text{SS strength} / 300]$
With BOD and SS strengths in milligrams per liter (mg/l)