

EXHIBIT G

SUMMARY OF SERVICE UNIT EQUIVALENTS CITY OF HUMBLE (FOR USE WITH WASTEWATER CONNECTIONS TO THE WWTP ONLY)

Source	Remarks	Unit	Wastewater Strength Multiplier	ESFR Service Unit WWTP*
<u>RESIDENTIAL</u>				
Municipality –single family	3.5 people, 100 gpcpd	Dwelling	1.0	1.000
Subdivision – Luxury & estates	3.0 people, 150 gpcpd	Dwelling	1.0	1.286
Patio Homes	3.0 people, 100 gpcpd	Dwelling	1.0	0.857
Apartments	2.5 people, 100 gpcpd	Dwelling	1.5	1.071
Duplex (two dwellings)	3.0 people, 100 gpcpd	Dwelling ea.	1.0	0.857
Rooming Houses	1.0 persons, 50 gpcpd	Room	1.5	0.214
Trailer Park (Transient)	2.5 persons, 50 gpcpd	Trailer	1.5	0.536
Mobile Home Park	3 persons, 75 gpcpd	Trailer	1.5	0.964
<u>SCHOOLS</u>				
School w/Cafeteria	WO>Showers			
Elementary	10 gpcpd	Person	1.5	0.043
High School	15 gpcpd	Person	1.5	0.064
School w/Cafeteria	W>Showers			
Elementary	15 gpcpd	Person	1.5	0.064
High School	20 gpcpd	Person	1.5	0.086
Day Care Center	10 gpcpd	Person	1.5	0.043
Dormitories	90 gpcpd	Person	1.0	0.257
Church				
Auditorium	1 gpcpd	Seat	1.0	0.003
Administration	15 gpcpd	Person	1.5	0.064
Gym		Fixture		0.343
<u>COMMERCIAL</u>				
Office Building / Factory	250 gal / water closet or Two urinals	Fixture	1.5	1.071
Hotel (private bath)	2.0 people, 60 gpcpd	Room	1.5	0.514
Motel (bath)	1.5 people, 50 gpcpd	Room	1.5	0.321
Transportation Terminals	80 gal / water closet or Two urinals	Fixture	1.5	0.343
Restaurant				
Full service 10 – 12 hr.	7.5 gpd / Seat	Seat	5.0	0.108
Full service 24 hr.	12 gpd / Seat	Seat	5.0	0.172
Fast Food, paper plate	10 gpd / Seat	Seat	5.0	0.143
Shampo Bowl				0.48

Tavern or lounge					
No food service	20 gpd / Seat	Seat	1.5		0.086
w/o com. dishwasher	10 gpd / Seat	Seat	1.5		0.043
Soda Fountain	10 gpd / Seat	Seat	1.5		0.043
Service Stations	160 gal / water closet or Two urinals	Fixture	1.5		0.686
Laundromats (self service)	200 gal / machine	Machine	1.0		0.571
Bowling Alley	80 gal / water closet or Two urinals	Fixture	1.5		0.343
Skating Rink	80 gal / water closet or Two urinals	Fixture	1.5		0.343
Game Rooms	80 gal / water closet or Two urinals	Fixture	1.5		0.343
Amusement Parks w/Restroom and Concession	80 gal / water closet or Two urinals	Fixture	1.5		0.343
Ball Parks	80 gal / water closet or Two urinals	Fixture	1.5		0.343
Car Wash (100% recycle on vehicle wash)	80 gal / water closet or Two urinals	Fixture	1.5		0.343
Shopping Center	80 gal / water closet or Two urinals	Fixture	1.5		0.343

One story strip center (not including restaurants, laundromats, etc.)

MISCELLANEOUS

Recreational Parks					
Overnight Campgrounds	3 people, 30 gpcpd	Campsite	1.0		0.257
Day User	80 gal / water closet or Two urinals	Fixture	1.5		0.343
Theater	5 gpd / Seat	Seat	1.5		0.021
Hospital	200 gpd / Bed	Bed	1.5		0.857
Nursing Home	100 gpd / Bed	Bed	1.5		0.429
Prisons	280 gpcpd	Person	1.5		1.200

* Equivalent single family residential (ESFR) service units are based on flow 350 gallons / day and wastewater strength 200 mg/l and are for use with the wastewater treatment plant expansion CIP.

EXAMPLES:

To calculate the impact fee for categories listed above simply take the impact fee adopted (maximum \$1,675 per ESFR) and multiply by the number of ESFR for that category. Three examples follow:

- Assume three duplex units are to pay impact fees. Since there are two dwelling units per duplex, the impact fee would be calculated as shown. $3 \text{ duplex units} \times 2 \text{ dwellings per duplex} \times 0.857 \text{ ESFR's per dwelling} \times \$1,675 = \$8,612.85$
- Assume a high school with showers is to have space for 400 students and 40 staff. The impact fee would be calculated as shown. $440 \text{ people} \times 0.086 \text{ ESFR's per person} \times \$1,675 = \$63,382.00$
- Assume a bowling alley is planned and the plans indicate the men's restroom will have 2 water closets and three urinals and the women's restroom will have 5 water closets. Each restroom will also have three lavatories. The impact fee would be calculated as shown. $2 \text{ men's room WCs} + 5 \text{ women's room WCs} = 7 \text{ fixtures}$. Two urinals equal one fixture so the 3 urinals in the men's room will equal an additional $3/2 = 1.5$ fixtures for a total of 8.5 fixtures $\times 0.343 \text{ ESFR's per fixture} \times \$1,675 = \$4,883.46$. The lavatories are not counted separately as fixture units and are not included in impact fee calculations. (Note that if the bowling alley has a fast food restaurant or a tavern only that serves no food, the additional impact fees for the appropriate component must be added.)

The table above can also be used to calculate similar categories of establishment not included above. Some examples above include:

- A restaurant supply warehouse that includes a men's restroom and a women's restroom with a single water closet in each and not open to the public would be based on fixture units similar to the "Office Building / Factory with 2 fixtures $\times 1.071 \text{ ESFR per fixture} \times \$1,675 = \$3,587.85$
- A meeting hall or lodge such as a VFW post opens and will have an occupancy capacity of 100 people. There will be monthly meetings and the hall will be rented out on weekends for wedding receptions. There will be a men's and women's restroom with a single WC in each. The impact fee could either be calculated on the basis of fixture count or on the capacity of the hall. Since the use will be similar to a church (gatherings approximately once per week) as opposed to a bowling alley (open for business daily), the suggested method of impact fee calculation would be to use the church auditorium calculation as follows: $100 \text{ people} \times 0.003 \text{ ESFR per person or seat} \times \$1,675 = \$502.50$.

Should the use of the facility increase to a daily use for instance, the single fixture in each restroom will probably prove to be insufficient and if the hall plans improvements to add fixtures, the impact fee can be modified at that time. If for instance the hall adds 4 additional fixtures (plus the 2 they have) to handle increased usage, the new impact fee would be calculated as follows: $6 \text{ fixture units} \times 0.343 \text{ ESFR per fixture} \times \$1,675 = \$3,447.15$ less the \$502.50 impact fee originally paid = \$2,944.65.