

Water

CITY OF HOUSTON WATER DEMAND EQUIVALENCY TABLE

TYPE OF DEVELOPMENT	SERVICE UNIT EQUIVALENCY
BAKERY	0.000700 PER SQ FT
BARBER SHOP, GENERAL	0.480000 PER BOUL
BARBER SHOP, SUPERCUTS	0.240000 PER BOUL
BEAUTY SHOP	0.480000 PER BOUL
BOWLING ALLEY	0.635000 PER LANE
CAR REPAIR	0.000160 PER SQ FT
CARWASH, TUNNEL, SELF SERVE	6.350000 PER CARWASH
CARWASH, TUNNEL, W/ATTENDANTS	31.430000 PER CARWASH
CARWASH, WAND TYPE, SELF SERVE	1.220000 PER CARWASH BAY
CHURCH	0.003200 PER SEAT
CLUB, TAVERN, OR LOUNGE	0.031700 PER OCCUPANT
CONVENIENCE STORE	0.000200 PER SQ FT
COUNTRY CLUB	0.320000 X MEMBERS, .08 X GUESTS
DAY CARE CENTER	0.031780 PER OCCUPANT
DORMITORY	0.286000 PER BED
FIRE STATION	0.286000 PER CAPITA
FUNERAL HOME	2.140000 PER SERVICE
GAS STATION WITH CARWASH	9.350000 PER STATION
GAS STATION WITHOUT CARWASH	1.750000 PER STATION
GROCERY STORE, 5,000-28,999 SQ FT	0.000260 PER SQ FT
GROCERY STORE, 29,000+ SQ FT	0.000700 PER SQ FT
HEALTH CLUB	0.001210 PER SQ FT
HOMELESS SHELTER	0.105000 PER BED
HOSPITAL	0.635000 PER BED
HOTEL, HOTEL W/KITCHENETTES	0.430000 PER ROOM
HOTEL, HOTEL	0.251000 PER ROOM
MANUFACTURING	0.000160 PER SQ FT
MOBILE HOME PARK	0.880000 PER SPACE
MODELING STUDIO	2.890000 PER STUDIO
NURSING HOME	0.286000 PER BED
OFFICE	0.000335 PER SQ FT
PHOTO STORE, ONE HOUR PROCESSING	3.175000 PER STORE
POST OFFICE, EXCLUDING DOCK	0.000254 PER SQ FT
PRISON	0.290000 PER CAPITA
RACQUETBALL CLUB	0.510000 PER COURT
RECREATIONAL VEHICLE PARK	0.238100 PER VEHICLE
RESIDENCE, APARTMENT W/WASHER/DRYER	0.714000 PER UNIT
RESIDENCE, APARTMENT W/O WASHER/DRYER	0.635000 PER UNIT
RESIDENCE, CONDOMINIUM	0.714000 PER UNIT
RESIDENCE, DUPLEX	1.000000 PER UNIT
RESIDENCE, SINGLE FAMILY	1.000000 PER UNIT
RESIDENCE, TOWNHOUSE	1.000000 PER UNIT
RESTAURANT, FAST FOOD (BURGER, CHICKEN, ETC.)	0.002500 PER SQ FT
RESTAURANT, FULL SERVICE	0.006000 PER SQ FT
RETAIL	0.000223 PER SQ FT
SCHOOL, HIGH	0.047600 PER SEAT
SCHOOL, OTHERS, NON-RESIDENTIAL	0.031700 PER SEAT
SCHOOL, OTHERS, RESIDENTIAL	0.317000 PER CAPITA
SERVICE CENTER	0.000160 PER SQ FT
SHOPPING CENTER; MIXED TENANTS (>150,000 SQ FT)	0.000900 PER SQ FT
SKATING RINK	0.015900 PER CAPITA
STADIUM	0.010000 PER SEAT

CITY OF HOUSTON WATER DEMAND EQUIVALENCY TABLE (con't)

TYPE OF DEVELOPMENT	SERVICE UNIT EQUIVALENCY
SWIMMING POOL	0.015900 PER SWIMMER
THEATER, DRIVE INN	0.015900 PER SPACE
THEATER, INDOOR	0.015900 PER SEAT
TOILET	0.254000 PER TOILET
TRANSPORTATION TERMINAL	0.015900 PER PASSENGER
WAREHOUSE	0.000096 PER SQ FT
WASHATERIA	0.914000 PER MACHINE

Note: 1 Service Unit = 420 gal.

unit x service unit equ.
 x 420 gal = demand
 (H₂O)

Sanitary

CITY OF HOUSTON WASTEWATER DISCHARGE EQUIVALENCY TABLE

TYPE OF DEVELOPMENT	SERVICE UNIT EQUIVALENCY
BAKERY	0.000700 PER SQ FT
BARBER SHOP, GENERAL	0.480000 PER BOWL
BARBER SHOP, SUPERCUTS	0.240000 PER BOWL
BEAUTY SHOP	0.480000 PER BOWL
BOWLING ALLEY	0.635000 PER LANE
CAR REPAIR	0.000160 PER SQ FT
CARWASH, TUNNEL, SELF SERVE	6.350000 PER CARWASH
CARWASH, TUNNEL, W/ATTENDANTS	31.430000 PER CARWASH
CARWASH, WAND TYPE, SELF SERVE	1.220000 PER CARWASH BAY
CHURCH	0.003200 PER SEAT
CLUB, TAVERN OR LOUNGE	0.031700 PER OCCUPANT
CONVENIENCE STORE	0.000200 PER SQ FT
COUNTRY CLUB	0.320000 X MEMBERS, .8 X GUESTS
DAY CARE CENTER	0.031700 PER OCCUPANT
DORMITORY	0.286000 PER BED
FIRE STATION	0.286000 PER CAPITA
FUNERAL HOME	2.140000 PER SERVICE
GAS STATION WITH CARWASH	9.350000 PER STATION
GAS STATION WITHOUT CARWASH	1.750000 PER STATION
GROCERY STORE, 5,000-28,000 SQ FT	0.000260 PER SQ FT
GROCERY STORE	0.000700 PER SQ FT
HEALTH CLUB	0.001210 PER SQ FT
HOMELESS SHELTER	0.105000 PER BED
HOSPITAL	0.635000 PER BED
HOTEL, MOTEL W/KITCHENETTES	0.430000 PER ROOM
HOTEL, MOTEL	0.251000 PER ROOM
MANUFACTURING	0.000160 PER SQ FT
MOBILE HOME PARK	0.880000 PER SPACE
MODELING STUDIO	2.890000 PER STUDIO
NURSING HOME	0.286000 PER BED
OFFICE	0.000335 PER SQ FT
PHOTO STORE, ONE HOUR PROCESSING	3.175000 PER STORE
POST OFFICE, EXCLUDING DOCK	0.000254 PER SQ FT
PRISON	0.290000 PER CAPITA
RACQUETBALL CLUB	0.510000 PER COURT
RECREATIONAL VEHICLE PARK	0.238100 PER VEHICLE
RESIDENCE, APARTMENT W/WASHER/DRYER	0.714000 PER UNIT
RESIDENCE, APARTMENT W/O WASHER/DRYER	0.635000 PER UNIT
RESIDENCE, CONDOMINIUM	0.714000 PER UNIT
RESIDENCE, DUPLEX	1.000000 PER UNIT
RESIDENCE, SINGLE FAMILY	1.000000 PER UNIT
RESIDENCE, TOWNHOUSE	1.000000 PER UNIT
RESTAURANT, FAST FOOD (BURGER, CHICKEN, ETC.)	0.002500 PER SQ FT
RESTAURANT, FULL SERVICE	0.006000 PER SQ FT
RETAIL	0.000223 PER SQ FT
SCHOOL, HIGH	0.047600 PER SEAT
SCHOOL, OTHERS, NON-RESIDENTIAL	0.031700 PER SEAT
SCHOOL, OTHERS, RESIDENTIAL	0.317000 PER CAPITA
SERVICE CENTER	0.000160 PER SQ FT
SHOPPING CENTER; MIXED TENANTS >150.000 SQ FT	0.000900 PER SQ FT

CITY OF HOUSTON WASTEWATER DISCHARGE EQUIVALENCY TABLE (con't)

TYPE OF DEVELOPMENT

SERVICE UNIT EQUIVALENCY

SKATING RINK	0.015900 PER CAPITA
STADIUM	0.010000 PER SEAT
SWIMMING POOL	0.015900 PER SWIMMER
THEATER, DRIVE INN	0.015900 PER SPACE
THEATER, INDOOR	0.015900 PER SEAT
TOILET	0.254000 PER TOILET
TRANSPORTATION TERMINAL	0.015900 PER PASSENGER
WAREHOUSE	0.000096 PER SQ FT
WASHATERIA	0.914000 PER MACHINE

Note: 1 Service Unit = 315 Gallons per Day.

unit x service unit equi x 315
= demand
(sanitary)