

City of La Vernia
Water and Sewer Impact Fee - EDU Calculations



One (1) EDU equals 360 gallons per day as average as water flow and 300 gallons per day for average sewer flow. Other uses not shown are to be determined by an engineer (TBDBE) and verified by the City Engineer.

Water EDU Calculations

Residential

Single Family Homes = 1.0 EDU per Lot (Includes Manufactured Homes)

Apartments = 0.5 EDU (1 Bedroom), 0.7 EDU (2 Bedrooms), 1.0 EDU (3+ Bedrooms)

Commercial

Hotel = 100 Gal. per Day (GPD), Per Room

Calculation: $(100/360) \times (\text{Total \# of Rooms}) = \text{Total EDU}$

Motel = 50 Gal. per Day (GPD), Per Room

Calculation: $(50/360) \times (\text{Total \# of Rooms}) = \text{Total EDU}$

Fast Food = 4.4 EDU

Health Club = TBDBE

Cocktail Lounge/Night Club = TBDBE

Commercial/Industrial Building = TBDBE

Office Building = 0.035 Gal. per Day (GPD), per Square Foot of Office Space.

Calculation: $(0.035/360) \times (\text{Bldg. SF}) = \text{Total EDU}$

Laundry = 200 Gal. per Day, per machine.

Calculation: $(200/360) \times (\text{Total \# of machines}) = \text{Total EDU}$

Grocery Store = TBDBE

Churches/Auditoriums = TBDBE

Car/Truck Wash = TBDBE

Gasoline Stations =

Gas Only = 1.0 EDU

Gas + Grocery/Takeout Food = 1.0 + 2.0 = 3.0 EDU

Gas + Car Wash = 1.0 + 15.0 = 16.0 EDU

Gas + Car Wash + Grocery/Takeout = 1.0 + 15.0 + 2.0 = 18.0 EDU

Department/Retail Store = 0.07 Gal. per Day (GPD), per Square Foot of Retail.

Calculation: $(0.07/360) \times (\text{Bldg. SF}) = \text{Total EDU}$

Theatre = 1.5 Gal. per Day (GPD), per each seat in Theatre.

Calculation: $(1.5/360) \times (\text{\# of Seats}) = \text{Total EDU}$

Medical Facility

Hospital = 250 Gal. per Day (GPD), per bed in Hospital.

Calculation: $(250/360) \times (\text{\# of Hospital Beds}) = \text{Total EDU}$

Nursing Home = 100 Gal per day (GPD), per bed in facility.

Calculation: $(100/360) \times (\text{\# of Hospital Beds}) = \text{Total EDU}$

Other = TBDBE

Schools

Elementary = 5 Gal. per day (GPD), per person. (Students & Faculty)

Calculation: $(5/360) \times (\text{Total persons}) = \text{Total EDU}$

Middle/Jr. High = 8 Gal. per day (GPD), per person. (Students & Faculty)

Calculation: $(8/360) \times (\text{Total persons}) = \text{Total EDU}$

High School = 10 Gal. per day (GPD), per person. (Students & Faculty)

Calculation: $(10/360) \times (\text{Total persons}) = \text{Total EDU}$

Irrigation

Minimum two EDU's for irrigation meter will be used to determine impact fee unless applicant can substantiate the need for less water demand.

Sewer EDU Calculations

Residential

Single Family Homes = 1.0 EDU per Lot (Includes Manufactured Homes)

Apartments = 0.5 EDU (1 Bedroom), 0.7 EDU (2 Bedrooms), 1.0 EDU (3+ Bedrooms)

Commercial

Hotel = 100 Gal. per Day (GPD), Per Room

Calculation: $(100/300) \times (\text{Total \# of Rooms}) = \text{Total EDU}$

Motel = 50 Gal. per Day (GPD), Per Room

Calculation: $(50/300) \times (\text{Total \# of Rooms}) = \text{Total EDU}$

Fast Food = 4.4 EDU

Health Club = TBD BE

Cocktail Lounge/Night Club = TBD BE

Commercial/Industrial Building = TBD BE

Office Building = 0.035 Gal. per Day (GPD), per Square Foot of Office Space.

Calculation: $(0.035/300) \times (\text{Bldg. SF}) = \text{Total EDU}$

Laundry = 200 Gal. per Day, per machine.

Calculation: $(200/300) \times (\text{Total \# of machines}) = \text{Total EDU}$

Grocery Store = TBD BE

Churches/Auditoriums = TBD BE

Car/Truck Wash = TBD BE

Gasoline Stations =

Gas Only = 1.0 EDU

Gas + Grocery/Takeout Food = 1.0 + 2.0 = 3.0 EDU

Gas + Car Wash = 1.0 + 15.0 = 16.0 EDU

Gas + Car Wash + Grocery/Takeout = 1.0 + 15.0 + 2.0 = 18.0 EDU

Department/Retail Store = 0.07 Gal. per Day (GPD), per Square Foot of Retail.

Calculation: $(0.07/300) \times (\text{Bldg. SF}) = \text{Total EDU}$

Theatre = 1.5 Gal. per Day (GPD), per each seat in Theatre.

Calculation: $(1.5/300) \times (\text{\# of Seats}) = \text{Total EDU}$

Medical Facility

Hospital = 250 Gal. per Day (GPD), per bed in Hospital.

Calculation: $(250/300) \times (\text{\# of Hospital Beds}) = \text{Total EDU}$

Nursing Home = 100 Gal per day (GPD), per bed in facility.

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Calculation: $(10/300) \times (\text{Total persons}) = \text{Total EDU}$

The City will accept sewage flow for the proposed development derived through an engineering evaluation of actual measured flow (sewer or water) at similar facilities in lieu of the guidelines for estimated average daily flow. If this data is not presented with the initial plat package, the applicant will allow the City to calculate the estimated average daily flows (EDU's) and accept the City's calculations as final.