

**ST. MARY'S COUNTY METROPOLITAN COMMISSION**

**TABLE OF EQUIVALENT DWELLING UNITS**

Adopted March 1, 2009

CLASSIFICATIONS	Gallons Per Day/EDU <sup>1,2</sup>
<b>INSTITUTIONAL</b>	
Elementary School	4 gpd/person
Middle School	6 gpd/person
High School	8 gpd/person
Child Day Care/Nursery School	6 gpd/person
Hospital or Nursing/Group Home	125 gpd/bed
<b>SUBDIVISION RESIDENTIAL - One Dwelling</b>	
	250 gpd
<b>MULTI-UNIT RESIDENTIAL*</b>	
1 Trailer Space	250 gpd
1 Apartment/unit	250 gpd
1 Condominium/unit	250 gpd
*Apartments, residential condominiums, housing projects for the aged can be designed based on 200 gpd/unit, but will be billed based on 250 gpd/unit	
<b>COMMERCIAL/INDUSTRIAL</b>	
Auto Dealership	Gross s.f. x 0.08= ___ gpd
Bakery/Food Retail Store (No seating)	Gross s.f. x 0.15= ___ gpd
Bank	Gross s.f. x 0.04= ___ gpd
Bar - No Health Dept. Food Permit required (see Restaurant or Social Hall if food services are provided)	5 gpd/seat
Barber Shop	Gross s.f. x 0.20= ___ gpd
Beauty Salon	Gross s.f. x 0.35= ___ gpd
Car Wash - Self Service Bay	250 gpd/bay
Car Wash - Recycled Bay	2,500 gpd/bay
Car Wash - Non-Recycled Bay	4,000 gpd/bay
Church (Worship center 1 EDU, add for accessory uses such as schools, etc.)	250 gpd
Commercial Condominium (Billing charges based on 250 gpd/unit)	Gross s.f. x 0.03= ___ gpd
Drug Store (Not to exceed 2 EDU's)	Gross s.f. x 0.13= ___ gpd
Food Carryout (With no indoor seating, i.e. donut, ice cream, some fast food)	Gross s.f. x 1.00= ___ gpd
Funeral Home (With embalming services)	Gross s.f. x 0.31= ___ gpd
Funeral Home (No embalming service)	Gross s.f. x 0.02= ___ gpd
Garage/Service Station (No Food Service)	Gross s.f. x 0.04= ___ gpd
Gas Station/Convenience Store (With Food Service)	Gross s.f. x 0.35= ___ gpd
Laundry & Cleaner (Professional service facilities)	Gross s.f. x 0.31= ___ gpd
Laundromat (Self-serve facilities)	Gross s.f. x 2.00= ___ gpd
Library	Gross s.f. x 0.03= ___ gpd
Marina (per slip)	25 gpd/slip
Medical Office Building <sup>4</sup>	Gross s.f. x 0.13= ___ gpd
Motel/Hotel Unit	63 gpd/room
Motel/Hotel Unit Efficiencies (with kitchen facilities; extended stay)	125 gpd/room
Office Building <sup>5</sup>	Gross s.f. x 0.03= ___ gpd
Post Office (Community - not to exceed 2 EDU's)	Gross s.f. x 0.09= ___ gpd
Recreational Facility	--
Theatre/Sports Arena/Recreational Facility (No food service)	1 gpd/seat
Theatre/Sports Arena/Recreational Facility (With food service)	5 gpd/seat
Health Club or Public Park based on fixture table below	Fixture Table Below

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Restaurant (Requires Health Dept. Food Permit)	13 gpd/seat
Retail/Dept. Store (stand-alone) less than 12,000 s.f. (Sq. ft. for accessory uses subtracted from store total and calculated by category of use)	Gross s.f. x 0.03= ___ gpd
Retail/Dept. Store (stand-alone) greater than 12,000 s.f. (Sq. ft. for accessory uses subtracted from store total and calculated by category of use)	Gross s.f. x 0.02= ___ gpd
Shopping Center/Strip Mall (mixed use or uncertain) <sup>6</sup>	Gross s.f. x 0.18= ___ gpd
Social Hall/Meeting Rooms (for rental i.e. Elks, Knights of Columbus etc.)	Gross s.f. x 0.07= ___ gpd
Supermarket	Gross s.f. x 0.05= ___ gpd
Swimming Pool 500 gpd/pool minimum <b>or</b> based on fixture table below	500 gpd minimum
Warehouse	Gross s.f. x 0.015= ___ gpd
<b>AGRICULTURAL</b> - No properties currently being served	

An alternative method used to project average daily flows generated from commercial establishments, public service buildings or dwelling units can be figured on the basis of total floor area, number of building units or service seats multiplied by a statistical factor<sup>3</sup>.

**FLOW PROJECTION FOR USES WHERE THE SIZE OF THE FACILITY MAY NOT BE PROPORTIONAL TO THE POTENTIAL FLOWS**

<b>Type of Fixture</b>	<b>Proposed Gallons per Day per Fixture</b>
Showers	200
Baths	300
Lavatories	100
Toilets	98
Urinals	65
Sinks	33

Flow Projection for country clubs and similar type establishments may be made on the basis of plumbing fixtures with the approval of the Chief Engineer. The related statistical flow figures per unit of plumbing fixture are shown in the tables above.

Determination of EDU's for proposed uses not listed in this document will be determined on a case-by-case basis by the Chief Engineer. Notwithstanding the guiding factors listed elsewhere in this table, the Chief Engineer at his/her discretion, may establish flow projections for specific properties on a case-by-case basis, at rates lower than those published on this table, if in the Chief Engineer's opinion the owner has demonstrated that significantly less water should be used and/or significantly less sewage should be produced by a specific building or use because of the proposed utilization of water saving technology or because the owner has demonstrated that similar buildings in other locations use significantly less water and/or produce significantly less sewage.

<sup>1</sup> Equivalent Dwelling Unit (EDU) is based on the average daily water use and the average daily volume of sewage produced by a single family home. Billing and allocation of EDUs are based on 250 gpd/EDU. Fraction of an EDU gets rounded up to the nearest whole number.

<sup>2</sup> For design purposes an EDU is based on 300 gpd for water, and 250 gpd for sewer.

<sup>3</sup> Adopted from the MDE "Wastewater Capacity Management Plan Guidance Document" and the Anne Arundel County "Flows Estimate for Capital Facility Connection Charges"

<sup>4</sup> Includes doctor, dental and veterinary offices

<sup>5</sup> Each condominium office unit to be a minimum of 1 EDU.

<sup>6</sup> EDU's assigned for individual units within a shopping center to be adjusted based upon actual occupancy