

**TOWN COUNCIL OF CENTREVILLE  
RESOLUTION 01-2019**

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**A RESOLUTION OF THE TOWN COUNCIL OF CENTREVILLE TO ADOPT A  
REVISED ALLOCATION SCHEDULE WHICH IS EXHIBIT B TO THE WATER AND  
SEWER ALLOCATION POLICY**

**WHEREAS**, Section 118-16.B of the Code of the Town of Centreville provides that the Town Council may establish allotments for water and sewer service to reflect changes in market demands, development activity, and the needs of the community and Town;

**WHEREAS**, by Resolution 10-2017 the Town Council adopted the current Town of Centreville Water and Sewer Allocation Policy; and

**WHEREAS**, the Town Council wishes to update the Allocation Schedule which is attached to the Water and Sewer Allocation Policy as Exhibit B.

**NOW THEREFORE**, the Town Council of Centreville hereby resolves as follows:

**Section 1.** The recitals set forth above are incorporated herein by reference and made a part of this Resolution;

**Section 2.** Section III.c of the Town of Centreville Water and Sewer Allocation policy is hereby amended to read as follows:

Unless otherwise provided for below, the calculation of the number of EDUs required for a project shall be based on ~~“MDE GUIDANCE ON WASTEWATER FLOWS FOR USE IN DESIGNING ON-SITE SYSTEMS” Revised June 2011 (“MDE Guidance”)~~ ***“MDE Guidelines for Estimating Water and/or Wastewater Flow” –Maryland Department of the Environment, July, 2006***, attached as Exhibit “B” or corresponding future provision thereof which shall be effective within the Town of Centreville upon adoption by the State of Maryland without further action of the Town Council. The following specific uses shall be modified from the MDE Guidance as now exists or as is adopted in the future:

Single family residences      200 gpd

(Language to be deleted from the existing Water and Sewer Allocation Policy is indicated in ~~strikethrough~~ format and language to be added is indicated by ***bold italics*** text)

**Section 3.** The Exhibit B attached to the Water and Sewer Allocation Policy shall be the document attached hereto.

**Section 4.** This Resolution shall be effective immediately upon approval and shall apply to all projects after that date unless:

- (a) a deposit for allocations has been paid,

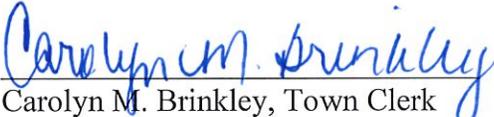
- (b) the project is subject to a public works agreement or a development rights and responsibilities agreement that establishes reserved allocations; or
- (c) the Town Council of Centreville has already approved the rate to use for a pending project, and such approval or reservation of allocations established in (a) (b), or (c) above has not expired.

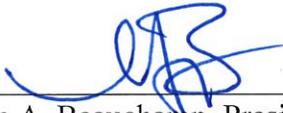
**READ AND PASSED** THIS 10<sup>th</sup> day of January 2019.

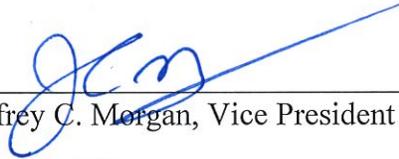
**BY ORDER:** We hereby certify that Resolution Number 01-2019 is true and correct and duly adopted by the Town Council of Centreville, Maryland.

**ATTEST:**

**THE TOWN COUNCIL OF CENTREVILLE**

  
Carolyn M. Brinkley, Town Clerk

  
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Jim A. Beauchamp, President

  
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Jeffrey C. Morgan, Vice President

  
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Timothy E. McCluskey, Member

## FLOW CALCULATION TABLES

**Table I - Flow Projection Based Upon Gallons Per Person Per Day**

Type of Establishment	Gallons Per Person Per Day (Unless Otherwise Noted)
Airports (per passenger) .....	5
Apartments-multiple family (per resident) .....	60
Bathhouses and swimming pools.....	10
Camps:	
Campground with central comfort stations.....	35
With flush toilets, no showers .....	25
Day camps (no meals served) .....	15
Resort camps (night and day) with limited plumbing .....	50
Luxury camps .....	100
Cottages and small dwellings with seasonal occupancy .....	50
Country clubs (per resident member).....	100
Country clubs (per non-resident member present).....	25
Dwellings:	
Boarding houses.....	50
additional for non-resident boarders .....	10
Luxury residences and estates .....	150
Multiple family dwellings (apartments).....	60
Rooming houses.....	40
Single family dwellings.....	75-100
Factories (gallons per person, per shift, exclusive of industrial wastes) .....	35
Hospitals (per bed space) .....	350
Hotels with private baths (2 persons per room).....	60
Hotels without private baths .....	50
Institutions other than hospitals (per bed space).....	125
Laundries, self-service (gallons per wash, i.e., per customer) .....	50
Mobile home parks (per space).....	250
Motels with bath, toilet and kitchen wastes (per bed space) .....	50
Motels (per bed space) .....	40
Picnic Parks (toilet wastes only) (per picnicker) .....	5
Picnic Parks with bathhouses, showers and flush toilets .....	10
Restaurants (per seat) .....	25
Restaurants (toilet and kitchen wastes per patron) .....	10
Restaurants (kitchen wastes per meal served) .....	3
Restaurants, additional for bars and cocktail lounges .....	2

**Table I (Continued)**

Type of Establishment	Gallons Per Person Per Day (Unless Otherwise Noted)
Schools:	
Boarding .....	100
Day, without gyms, cafeterias or showers .....	15
Day, with gyms, cafeterias and showers.....	25
Day, with cafeterias, but without gyms or showers .....	20
Service Stations (per vehicle served).....	10
Swimming pools and bathhouses .....	10
Theaters:	
Movie (per auditorium seat).....	1
Drive-in (per car space) .....	5
Travel Trailer Parks without individual water and sewer hook-ups (per space) .....	50
Travel Trailer Parks with individual water and sewer hook-ups (per space) .....	100
Workers:	
Construction (at semi-permanent camps).....	50
Day, at schools and offices (per shift).....	15

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. Guiding factors are given in Table II.

**Table II - Guiding Factors for Flow Projection Related with Commercial Establishments, Public Service Buildings, or Dwelling Units**

Office Buildings .....	Gross Sq. Ft. x 0.09 =	gpd
Medical Office Buildings .....	Gross Sq. Ft. x 0.62 =	gpd
Warehouses .....	Gross Sq. Ft. x 0.03 =	gpd
Retail Stores .....	Gross Sq. Ft. x 0.05 =	gpd
Supermarkets .....	Gross Sq. Ft. x 0.20 =	gpd
Drug Stores .....	Gross Sq. Ft. x 0.13 =	gpd
Beauty Salons .....	Gross Sq. Ft. x 0.35 =	gpd
Barber Shops .....	Gross Sq. Ft. x 0.20 =	gpd
Department Store with Lunch Counter .....	Gross Sq. Ft. x 0.08 =	gpd
Department Store without Lunch Counter .....	Gross Sq. Ft. x 0.04 =	gpd
Banks .....	Gross Sq. Ft. x 0.04 =	gpd
Service Stations .....	Gross Sq. Ft. x 0.18 =	gpd
Laundries & Cleaners .....	Gross Sq. Ft. x 0.31 =	gpd
Laundromats .....	Gross Sq. Ft. x 3.68 =	gpd
Car Wash without Wastewater Recirculation Equipment. ..	Gross Sq. Ft. x 4.90 =	gpd
Hotels .....	Gross Sq. Ft. x 0.25 =	gpd
Motels .....	Gross Sq. Ft. x 0.23 =	gpd
Dry Goods Stores .....	Gross Sq. Ft. x 0.05 =	gpd
Shopping Centers .....	Gross Sq. Ft. x 0.18 =	gpd

Flow projection for country clubs or public parks may be made on the basis of plumbing fixtures.

The related statistical flow figures per unit of plumbing fixture are shown in Table III and Table IV.

**Table III - Flow Projection for Country Clubs**

Type of Fixture	Gallons Per Day Per Fixture
Showers .....	500
Baths .....	300
Lavatories .....	100
Toilets .....	150
Urinals .....	100
Sinks .....	50

**Table IV - Flow Projection for Public Parks**  
(During hours when park is open)

<u>Type of Fixture</u>	<u>Gallons Per Day Per Fixture</u>
Flush toilets .....	35
Urinals .....	10
Showers .....	100
Faucets .....	15

Average Daily Flow

Average daily flow is the arithmetic sum of the average daily domestic flow plus the average daily commercial flow plus the average daily industrial flow plus any other average daily flow from the service area. The average daily commercial, industrial, and other flows shall be based on the period in which these flows are generated.

Peaking of Flows

Peak flow is the average daily domestic flow peaked in accordance with the curve entitled “Diagram for Converting Average Daily Domestic Flow to Peak Flow”. (Page 1-7 of the *Design Guidelines for Sewerage Facilities*, Maryland Department of Health and Mental Hygiene, 1978).

Peak commercial or industrial flow is the average daily commercial or industrial flow peaked in accordance with a factor determined by evaluation of historical data for the commercial or industrial facilities and the periods in which these flows are generated.

The average daily domestic flow, average daily commercial flow, and average daily industrial flow may be peaked individually or combined and then peaked using the curve (Page 1-7 of the *Design Guidelines for Sewerage Facilities*) as dictated by the evaluation of the sources and periods in which the flows are generated.

Wherever forced flow applies, peak flow shall be equivalent to the pumping rate.

Infiltration and Inflow

For design purposes, the upper limit of allowable infiltration and inflow within the areas of the project is 400 gallons per acre per day (gpad). Additional allowance for infiltration and inflow may be made upon verification of evidence or approval of operation data.

Design Hydraulic Flow

$$\text{Design Hydraulic Flow} = \text{Peak Flow} + \text{Peak Commercial Flow} + \text{Peak Industrial Flow} + \text{Infiltration and Inflow Allowance}$$