



North Conway Water Precinct

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Commissioners: John J. Santuccio, Chair • Suzanne Nelson, Vice Chair • Robert F. Porter
Superintendent: Jason N. Gagnon

Buy-In Fees

New Connection Description

Fee

Residential Water	\$580 per each new residential unit (single family home, apartment, or condominium unit) up to 3 EDUs. Residential construction with greater than 3 EDUs are considered Commercial property and are required to calculate Buy-In fees as outlined in the Commercial Water fee description.
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Residential Sewer	\$2,300.00 per each new residential unit (single family home, apartment, or condominium unit) up to 3 EDUs. Residential construction with greater than 3 EDUs are considered Commercial property and are required to calculate Buy-In fees as outlined in the Commercial Sewer fee description.
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Commercial Water	Total estimated daily flows to be calculated according to design flow volumes outlined in Appendix A: New Hampshire Code of Administrative Rules ENV-Wq 1008.03 <u>Daily Flow Volume</u> . The total calculated flow volume is to be divided by 300 for conversion to EDUs. Buy-In fees shall be assessed at the rate of \$580.00 per EDU.
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Commercial Sewer	Total estimated daily flows to be calculated according to design flow volumes outlined in Appendix A: New Hampshire Code of Administrative Rules ENV-Wq 1008.03 <u>Daily Flow Volume</u> . The total calculated flow volume is to be divided by 300 for conversion to EDUs. Buy-In fees shall be assessed at the rate of \$2,300.00 per EDU.
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Appendix A:

New Hampshire Code of Administrative Rules ENV-Wq 1008.03 Daily Flow Volume

Env-Wq 1008.03 Daily Flow Volume.

(a) In order to determine the appropriate size of the septic system components, such as the septic tank, pipe, and bed, the daily flow volume of sewage in gallons per day shall be determined as specified in this section.

(b) For existing uses, flow shall be based on:

- (1) Metered water readings for the use as specified in (d), below, if available; or
- (2) The unit design flows listed in Table 1008-1.

(c) For new uses, flow shall be based on:

- (1) The unit design flows listed in Table 1008-1; or
- (2) Metered water readings for uses that are as similar as possible to the proposed use, taking into consideration factors such as occupancy and frequency of use, determined as specified in (d), below.

(d) Design flows based on metered water readings shall be calculated:

- (1) By finding the average of water meter readings over a period of time that is representative of the volume of water used and multiplying the average by a minimum peaking factor of 2 for commercial light flow or a maximum peaking factor of 3 for commercial heavy flow; or
- (2) By measuring not less than 6 months of consecutive daily meter readings, including the month(s) of heaviest use for uses that are seasonal in nature, and using the highest daily flow without application of a peaking factor;

(e) The unit design flow figures referenced in (b) and (c), above, shall be as listed in Table 1008-1, below, subject to (f), below:

Table 1008-1: Unit Design Flow Figures

Use	Unit Design Flow
AIRPORTS	5 GPD/Transient plus 10 GPD/Employee
APARTMENTS	See Dwellings
BARS, LOUNGES	See Food Service
BED & BREAKFAST	60 GPD/Guest, based on the greater of 2 guests per room or the actual number of guests the room is designed to accommodate, plus 10 GPD/Employee
BUNKHOUSE	60 GPD/Person
CAMPS:	
Campground with Central Comfort Station	45 GPD/site, plus 20 GPD/Site for the dump station
Recreational Campgrounds with 3-way hookups	60 GPD/Site
Construction Camps	50 GPD/Person
Day Camps (not including meals)	15 GPD/Person
Dining Facility	3 GPD/Person/meal
Residential Youth Recreation Camps	25 GPD/Person plus 3 GPD/Person/meal
CATERERS – Function Rooms	12 GPD/patron
CHURCHES:	
Sanctuary Seating	3 GPD/Seat
Church Suppers	12 GPD/Seat
COUNTRY CLUBS – PRIVATE	
Dining Room	10 GPD/Seat
Snack Bar	10 GPD/Seat
Locker & Showers	20 GPD/Locker
DAY CARE CENTERS	10 GPD/Person
DENTISTS	10 GPD/Chair plus 35 GPD/Staff Member
DOCTOR'S OFFICES	250 GPD/Doctor
DOG KENNELS	50 GPD/Kennel, with one dog per kennel
DWELLINGS:	
Apartment - Studio or One-Bedroom	225 GPD
Apartment - 2 or More Bedrooms	150 GPD/Bedroom
Residence - Single-Family	300 GPD plus 150 GPD for each bedroom over 2
Residence - Duplex	300 GPD plus 150 GPD for each bedroom over 2 for each unit
Rooming House – With Meals	60 GPD/Person
Rooming House – Without Meals	40 GPD/Person
Senior Housing	See Senior Housing
FACTORIES (Exclusive of Industrial Waste):	
Without Cafeteria or Showers	10 GPD/Person
With Cafeteria, No Showers	15 GPD/Person
With Cafeteria and Showers	20 GPD/Person
Warehouses	10 GPD/Person
FIRE STATIONS – Without full-time employees; without floor drains or food preparation	5 GPD/Person
FOOD SERVICE:	
Cafeteria or table service, plus toilet and kitchen waste	40 GPD/Seat plus 20 GPD/Employee
Cafeteria or table service, paper service, plus toilet and kitchen waste	20 GPD/Seat plus 20 GPD/Employee
Ice cream dipper	100 GPD/dipper plus 20 GPD/Employee
Kitchen Waste only	3 GPD/Meal served plus 20 GPD/Employee

Use	Unit Design Flow
Bars and lounges	20 GPD/Seat plus 20 GPD/Employee
Function Rooms	12 GPD/Seat plus 20 GPD/Employee
GYMS	10 GPD/participant plus 3 GPD/Spectator seat
HAIRDRESSERS	150 GPD/Chair plus 20 GPD/Employee
HOSPITALS	200 GPD/Bed plus 20 GPD/Employee
HOTELS AND MOTELS	200 GPD/Room plus 10 GPD/Employee
INSTITUTIONS OTHER THAN HOSPITALS	See Residential Institutions
LAUNDROMATS, COIN-OPERATED	500 GPD/Machine
LOUNGES	See Food Service, Bars/Lounges
MANUFACTURED HOUSING PARKS	150 GPD/ Bedroom/Site with 300 GPD/Site minimum
MOTELS, see HOTELS	
NURSING HOMES	125 GPD/Bed plus 20 GPD/Employee
OFFICE BUILDINGS:	
Without Cafeteria	10 GPD/Employee
With Cafeteria	15GPD/ Employee
Unspecified Office Space	5 GPD/100 ft ²
PICNIC PARKS	See Recreational Facilities
RECREATIONAL FACILITIES	
Toilet Waste Only	5 GPD/person
With Showers and Toilets	10 GPD/person
RESIDENTIAL INSTITUTIONS OTHER THAN HOSPITALS AND NURSING HOMES	135 GPD/Bed plus 20 GPD/Employee
RESTAURANTS	See Food Service
SCHOOLS:	
Boarding	100 GPD/resident student or employee plus Day School loading for non-resident students and employees
Day, Without Gym, Cafeteria, or Showers	10 GPD/student or employee
Day, Without Gyms or Showers, with Cafeteria	15 GPD/student or employee
Day, With Gyms, Showers, and Cafeteria	25 GPD/student plus 15 GPD/employee
SENIOR HOUSING	125 GPD/2 Bedroom unit, maximum 2 person occupancy
SERVICE STATIONS	75 GPD/Island plus 10 GPD/Employee
SKATING RINKS	See Gyms
SKI AREAS	See Recreational Facilities
STORES:	
Dry Goods	5 GPD/100 ft ² plus 10 GPD/employee
Supermarkets with Meat Dept. without Garbage Grinder	7.5 GPD/100 ft ²
Supermarkets with Meat Dept. with Garbage Grinder	11 GPD/100 ft ²
SWIMMING POOLS, Public	See Recreational Facilities
TENNIS COURTS	See Recreational Facilities
THEATERS	3 GPD/Auditorium Seat/Show
TOWN HALLS	5 GPD/Seat for total seating capacity
TOWN OFFICES	10 GPD/Office employee plus 5 GPD /Transient
TRAVEL TRAILER PARKS	See Camps
WAREHOUSES	See Factories

(f) For any combination of uses, such as a day camp that serves meals, a recreational facility with a cafeteria, a ski area that also has a day care, or a single-family residence with a studio or 1-bedroom apartment, the loading shall be the combined total of the loading for the separate uses.

(g) For any structure where the use is not listed in Table 1008-1, the permitted designer shall submit documentation to support the estimated maximum daily flow.

Source. (See Revision Notes #1 and #2 at chapter heading)

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EXAMPLE EDU CALCULATION

Example Project:

40,000 square foot retail building – New Construction

Building details:

20,000 sq ft Restaurant, 50 seats, 10 employees

20,000 sq ft Dry Goods Retail with 5 employees

Restaurant EDU Calculation:

Design Flow = 40 gpd per seat plus 20 gpd per employee
= (40 gpd X 50 seat) + (20 gpd X 10 employees)
= 2,000 gpd + 200 gpd
= 2,200 gpd

EDUs = Design Flow divided by 300 gpd per EDU
= 2,200 gpd / 300 gpd per EDU
= 7.33 EDUs

Retail EDU Calculation:

Design Flow = 5 gpd per 100 sq ft plus 10 gpd per employee
= (5 gpd X (20,000 sq ft / 100)) + (10 gpd X 5 employees)
= (5 gpd X 200) + (10 gpd x 5)
= 1,000 gpd + 50 gpd
= 1,050 gpd

EDUs = Design Flow divided by 300 gpd per EDU
= 1,050 gpd / 300 gpd per EDU
= 3.5 EDUs

Total EDU Calculation:

= 7.33 (Restaurant) + 3.5 (Retail)
= 10.88 EDUs

Fee Calculation:

$$\begin{aligned}\text{Water} &= \$580.00 \times \text{EDUs} \\ &= \$580.00 \times 10.88 \\ &= \underline{\$6,310.40}\end{aligned}$$

$$\begin{aligned}\text{Sewer} &= \$2,300.00 \times \text{EDUs} \\ &= \$2,300.00 \times 10.88 \\ &= \underline{\$25,024.00}\end{aligned}$$

$$\begin{aligned}\text{Total Fee} &= \text{Water Fee} + \text{Sewer Fee} \\ &= \$6,310.40 + \$25,024.00 \\ &= \underline{\$31,334.40}\end{aligned}$$