

Worksheet for Calculation of Residential Solid Waste Generated Per Capita for Cities and Towns with Populations of 5,000 or more*

Type in available data in cells with red boxes;
gray cells produce calculations through
formulas

See numbered directions on left for how to
obtain needed data.

Town:

North Stonington

Fiscal Year Being Calculated:

July 1, 2019-June 30, 2020

Type in available data in cells with red boxes.

*Towns with a population of fewer than 5,000 may calculate their residential solid waste generated per capita using similar methodology but adapted to their needs. For additional support, please contact info@sustainablect.org.

1. Determine the total residential solid waste generated for your municipality or town, in pounds, for the fiscal year (July 1st to June 30th).

(i) For towns and cities that use a subscription service for curbside collection, gather data from each hauler that holds a permit to collect waste in your community. For municipal or contract curbside collection, use residential tons associated with the households in the program.

(ii) If you have a transfer station that collects residential waste then include that number in the Transfer Station field.

	(i) Tons (T) from Curbside	
	(ii) Tons (T) from Transfer Station	3,840
(A)	(iii) Tons (T) from Other Source	
	Total Tons (T)	3,840
	Total Converted to Pounds (lbs)	7,680,000

Total Tons is converted to Pounds by multiplying by 2000

2. Go to the United States Census Bureau's Quick Facts website: <https://www.census.gov/quickfacts>

a. In the search box on the top left, type in the name of your town. If more than one entry comes up, please select the one with the county name included.

3. Under the "Family & Living Arrangements" section, determine your town or city's average "Persons per household": _____ (B)

(B) Average Persons Per Household 2.57

NOTE: If you know the number of homes picked up in your community, please use that number in cell E24 to override the formula in response to question 7 on line 25 of this spreadsheet. If you don't have the exact number, please go through the exercise below to estimate the number of households.

4. Go to the United States Census Bureau's Explore Census Data website: <https://data.census.gov>

a. Click on **Advanced Search**

b. On the Table ID line, type **DP04**

c. Click **Search** on the lower right of the screen

d. Click **Filter** in the upper left of the screen

e. On the search line, begin typing the name of the City or Town

f. A series of options will appear with check boxes. Check the box next to your City or Town

g. Click **Hide** on upper right of screen

5. Under "Housing Occupancy," determine the percent of "Occupied Housing Units for your municipality" and record the number as a decimal (e.g., record 95.6% as 0.956):

(C)

% of Occupied Housing Units

87.20%

_____ (C)

6. Scroll down a little further and click on the "Units in Structure" section. Look at the estimated number of units for each of the following:

1-unit, detached: _____ (i)

1-unit, attached: _____ (ii)

2 units: _____ (iii)

3 or 4 units: _____ (iv)

4 units and above: _____ (v) (if applicable)

Total: _____ (D)***

***This number represents the total number of homes where residential (vs. commercial) trash is collected from. In some community residential pick-up may occur in unit structures greater than 4. If so, then include this in (v).

(D)

Units in
Structure

(i) 1-unit, detached

2,144

(ii) 1-unit, attached

95

(iii) 2 units

19

(iv) 3 or 4 units

25

(v) 4 units and above (if applicable)

13

Total housing units

2,296

7. Multiply the decimal version of the percent occupied housing units (C) by the total number of housing structures from which residential trash is collected (D):

(E)

2,002

_____ (E)

8. Multiply that number (E) by the average persons per household (B): _____ (F)

(F)

5,145

9. Divide the waste total (A) by the number in (F).

**Residential Solid Waste Generated Per Capita
Per Year (in pounds)**

1,492.59