

Calculate Your Municipal Solid Waste Recycling Rates

Recycling rate calculations for: Sabattus
(list municipalities)

Enter all amounts in **TONS** – See instructions for conversion factors

Use the tables below to calculate your municipality's (ties) recycling and "diversion from disposal" rates for:

- MSW (exclusive of CDD),
- CDD & land-clearing debris, and
- combined MSW/CDD/land-clearing debris recycling rate.

The left-hand column describes the type of waste and how it is managed. In the center column enter the corresponding amounts for your town/facility, and perform calculations as shown in the right hand column.

MSW disposal	Amount in tons	Factor / Calculation
MSW landfilled or disposed of at waste-to-energy facilities (from Table 1)	691.00	"A"
MSW Recycled and Composted		
Traditional MSW recyclables - Paper, cardboard, plastics, metals, glass and textiles recycled (from Table 2)	187.00	"B"
Other MSW recycled - electronics, white goods and other metals, tires, vehicle batteries, mercury-added products (from Table 2)	130.10	"C"
MSW composted - includes leaf & yard waste, food scraps (from Table 3)	0.00	"D"
Total of MSW recycled or composted	317.10	=B+C+D
Food scraps sent to an anaerobic digester (from Table 4)	0.00	"E"
Total MSW (exclusive of CDD)	1,008.10	=A+B+C+D+E

To calculate the MSW recycling rate (exclusive of CDD):

Step 1. $X = (B+C+D)/(A+B+C+D+E)$

Also add "E" into the numerator if MSW sent to Exeter Agri-Energy

Step 2. $Y = X + .05$ (for 'bottle bill credit')

Step 3. $Y \times 100 = \text{Municipal MSW Recycling Rate (i.e., percent MSW recycled)}$

MSW Recycling Rate	36.46 %
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If you send food scraps to an anaerobic digester other than Exeter Agri-Energy, calculate your MSW diversion from disposal by adding "E" into the numerator.

MSW Diversion from Disposal Rate	36.46 %
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Municipal CDD and Land Clearing Debris Recycling Rate Calculations		
CDD and land-clearing debris disposal	Amount	
Mixed CDD landfilled or disposed of at waste-to-energy facilities (from Table 1)	0.00	"F"
Land-clearing debris landfilled or disposed of at waste-to-energy facilities (from Table 1)	0.00	"G"
Total CDD & land-clearing debris disposed	0.00	=F+G
CDD Recycling		
CDD & land-clearing debris recycled (from Table 2)	23.00	"H"
Beneficial Use of CDD and land-clearing debris		
Other beneficial use of processed CDD and land-clearing debris (from Table 4)	0.00	"I"
Total CDD and land-clearing debris	23.00	=F+G+H+I
CDD & land-clearing debris recycling rate	100.00 %	$[(H)/(F+G+H)] \times 100 \%$
CDD & land-clearing debris 'diversion from disposal' rate	100.00 %	$[(H+I)/(F+G+H+I)] \times 100 \%$
Total MSW, CDD & land-clearing debris	1,031.10	=A+B+C+D+E+F+G+H+I
Total MSW, CDD and land-clearing debris recycled (including wood waste used as fuel chips)	340.10	=B+C+D+H
Total MSW, CDD and land-clearing debris diverted from disposal	340.10	=B+C+D+H+I

Combined MSW, CDD & Land Clearing Debris Recycling Rate Calculation		
Combined MSW, CDD & land-clearing debris recycling rate:		Recycling rate for MSW, CDD + LCD
Step 1. $X = (B+C+D+H)/(A+B+C+D+E+F+G+H)$		
Step 2. $Y = X + .05$		
Step 3. $Y \times 100 =$ Overall recycling rate for MSW, CDD & land-clearing debris		37.98 %
Combined MSW, CDD & land-clearing debris 'diversion from disposal' rate:		Diversion from disposal rate for MSW, CDD + LCD
Step 1. $X = (B+C+D+H+I)/(A+B+C+D+E+F+G+H+I)$		
Step 2. $Y = X + .05$		
Step 3. $Y \times 100 =$ Overall diversion from disposal rate for MSW, CDD & land-clearing debris		37.98 %