

**FOOD WASTE MANAGEMENT THROUGH LIVESTOCK FEEDING
COST COMPARISON FOR COMPACTED GARBAGE**

Step I: Calculate the current cost per ton to manage compacted garbage.

Haulers typically invoice for three cost components when providing garbage compactor service: (1) disposal fees; (2) compactor pull charges; and (3) equipment costs. Other costs, such as fuel surcharges or account administration fees, may also be charged.

1. Disposal Fees

From your monthly garbage bills or actual scale house tickets, calculate the following:

Average Tons Garbage Per Month (A)	Disposal Fee Per Ton (From Scale House Tickets)	Disposal Costs Per Month	State Tax (17%)	County Environmental Charge* (53% or 37.5%)	Total Average Monthly Disposal Costs (B)

*County Environmental Charge is 53% in Ramsey County and 37.5% in Washington County

2. Compactor Pull Charges (also known as Service Charges)

From your monthly garbage bills, calculate the following:

Average Number Compactor Pulls Per Month	Charge Per Compactor Pull	Average Compactor Pull Charges Per Month	State Tax (17%)	County Environmental Charge* (53% or 37.5%)	Total Average Monthly Hauling Charges (C)

*County Environmental Charge is 53% in Ramsey County and 37.5% in Washington County

3. Equipment Costs

The four methods to pay for garbage compactor equipment, including taxes and fees, are listed in the following table. From your monthly garbage bills, identify which payment method applies, and calculate monthly equipment costs. Keep in mind some leasing charges might appear on a bill separate from the hauler bill:

Monthly equipment costs _____ + taxes & service charges _____ = _____ **(D)**

Compactor Equipment Payment Method	Taxes & Service Charges
Purchase Equipment from Equipment Manufacturer	State Sales Tax (6.5% or 7.0%)
Rent Equipment from Garbage Hauler	State Solid Waste Management Tax (17%) County Environmental Charge (53% or 37.5%)*
Lease-To-Own Equipment from Garbage Hauler	State Sales Tax (6.5% or 7.0%)
Lease-To-Own Equipment from Equipment Leasing Company	State Sales Tax (6.5% or 7.0%)
Lease Equipment from Leasing Company (not Garbage Haulers)	State Solid Waste Management Tax (17%) County Environmental Charge (53% or 37.5%)*#

*County Environmental Charge is 53% in Ramsey County and 37.5% in Washington County

CECs on the cost of equipment leased from a non-licensed hauler must be remitted directly to the Counties by the generator

4. Other Costs (if applicable)

Costs for other items related to the compactor service, such as fuel surcharges, extra pickup charges, or account administrative fees, may appear on the garbage bill. These costs are subject to the CEC, and these costs must be included when computing the cost per ton to manage compacted garbage.

Other costs _____ =E

The current monthly cost to manage compacted garbage is (B) + (C) + (D) + (E) = _____ **(F)**

The cost per ton to manage compacted garbage is (F) ÷ (A) = _____ **(G)**

LIVESTOCK FEEDING

Step II: Estimate the cost per ton to manage food waste through livestock feeding.

There are two cost components to manage food waste through livestock feeding: (1) number of collection barrels filled per month; and (2) price per food waste collection barrel. Contact a livestock feeding service provider to estimate:

Average Tons Food Waste Your Operation Generates Per Month (H)	Number of Food Waste Collection Barrels Required Per Month	Price Per Collection Barrel	Total Monthly Food Waste Collection Costs (I)

The cost per ton to manage food waste through livestock feeding is $(H) \div (I) = \underline{\hspace{2cm}}$ **(J)**

Step III: Compare the cost per ton to manage garbage versus the cost per ton to manage food waste through livestock feeding.

Compare **(G)** to **(J)** and determine which is lower.