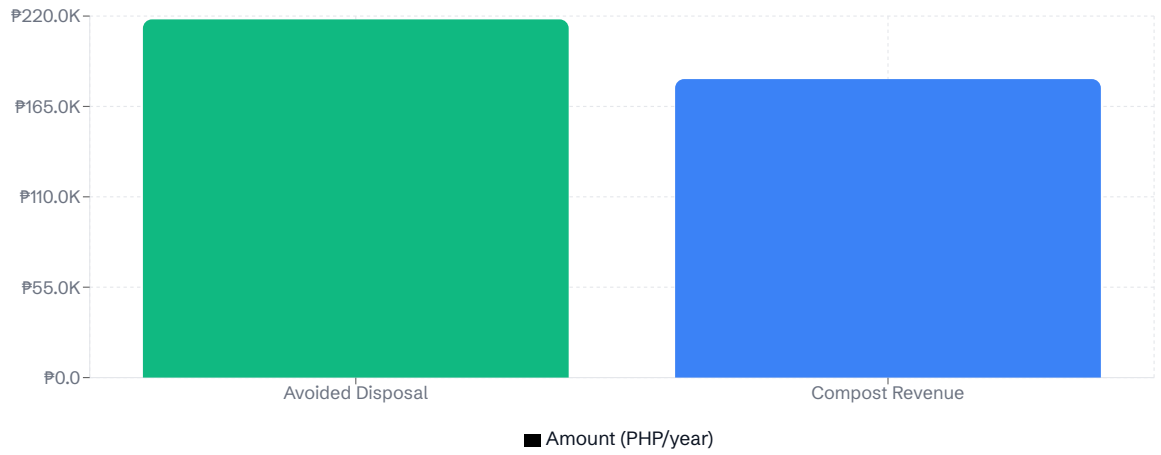
Step 5: Savings & Income

Financial benefits from avoided disposal costs and compost sales.



Avoided Disposal Savings

₱217,973

Cost reduction from diversion

Compost Revenue

₱181,645

Income from compost sales

Important Notes

- Avoided disposal savings assume the diverted waste would otherwise be disposed at baseline cost.
- Compost revenue assumes all produced compost is sold at the specified price.
- This estimate excludes program operational costs (staff, education, monitoring).
- For procurement or formal planning, conduct a detailed feasibility study.

Share Your Results

Share your calculator results or print a copy for your records.

Zero Waste Asia Calculator

Waste Management Assessment Report

Generated: October 20, 2025 at 10:38 PM

Executive Summary

Scenario: Mountain LGU — Organics Only

Population
5,000

Annual Waste
638.8 tons

Baseline Cost
₱1,916,250

Estimated Net Savings
₱181,645

1. Input Parameters

Population: 5,000
Waste per Capita: 0.35 kg/day
Baseline Cost per Ton: ₱3,000
Composting Adoption: 25.0%
Diversion Efficiency: 70.0%
Compost Price: ₱2.50/kg

Waste Characterization:

Organics	Recyclables	Residuals	Special
65%	15%	16%	4%

2. Waste Generation

Total Daily Waste
1,750 kg/day

Total Annual Waste
638.8 tons/year

Annual Waste by Type:

Organics:	415.2 tons/yr	Recyclables:	95.8 tons/yr
Residuals:	102.2 tons/yr	Special:	25.6 tons/yr

3. Visual Analysis

Waste Composition

Cost Comparison

Savings Breakdown

4. Financial Analysis

Baseline Scenario (Business as Usual)

Annual Disposal Cost
₱1,916,250

Zero Waste Scenario

Compost Revenue	Avoided Disposal	Net Savings
₱181,645	₱217,973	₱181,645

Program Impact

Diverted Organics:	72.7 tons/yr	Compost Produced:	72,658 kg/yr
After ZW Cost:	₱1,698,277	Cost Reduction:	11.4%

5. Key Findings

- **Waste Diversion Potential:** By adopting composting at 25.0% with 70.0% efficiency, approximately 72.7 tons of organic waste can be diverted annually.
- **Revenue Generation:** Compost sales at ₱2.50/kg could generate ₱181,645 annually.
- **Cost Savings:** Avoiding disposal of diverted waste saves ₱217,973 per year in disposal fees.
- **Net Financial Benefit:** The total estimated net savings is **₱181,645** annually.

⚠ IMPORTANT DISCLAIMER

This report is based on estimates and user-provided input data. The results should be interpreted as preliminary indicators only.

- **Estimates Only:** All calculations are based on simplified models and assumptions. Actual results may vary significantly based on local conditions, operational practices, and implementation quality.
- **User Input Dependency:** The accuracy of this assessment depends entirely on the accuracy of the input parameters provided. Verify all input data with local measurements and waste characterization studies.
- **Excluded Costs:** This analysis excludes program operational costs such as staff salaries, equipment maintenance, public education campaigns, monitoring systems, and infrastructure investments.
- **Market Variability:** Compost prices, disposal costs, and market conditions can fluctuate. Conduct market research for your specific region.
- **Regulatory Compliance:** Ensure all proposed activities comply with local, regional, and national waste management regulations.
- **Feasibility Study Required:** For formal planning, procurement, or project approval, conduct a detailed feasibility study with professional waste management consultants.

This calculator is an educational and planning tool. It is NOT a substitute for professional waste management assessment, engineering design, or financial analysis.