



PDHonline Course C318 (8 PDH)

Reducing Solid Waste

Instructor: Jim Newton, P.E., DEE

2020

PDH Online | PDH Center

5272 Meadow Estates Drive
Fairfax, VA 22030-6658
Phone: 703-988-0088
www.PDHonline.com

An Approved Continuing Education Provider

G Monitoring and Evaluation

3 Revenues and Avoided Purchase Costs

A. Revenues

Use the following table to calculate the revenues received from collected recyclable or exchanged materials,

Activity	Amount Collected per Time Period	Annual Amount Collected	Unit Price	Estimated Annual Revenue
	x Annual Multiplier =		x	=
<i>Glass recycling</i>	<i>55 pounds per week</i>	<i>2,880 pounds per year</i>	<i>\$0.08 per pound</i>	<i>\$229</i>
Total				

If your company receives additional revenues from other measures such as materials exchanges or the sale of compost, use the formula below to calculate total annual revenues from your waste reduction program.

$$\text{Revenues from recycling} + \text{Revenues from materials exchanges, compost sales, etc.} = \$ \text{Total Annual Revenues}$$

G Monitoring and Evaluation

B. Avoided Purchase Costs

Use the following table to calculate the annual savings from avoided purchase costs resulting from all waste reduction activities (waste prevention, composting, recycling, materials exchange).

Activity	Material	Amount of Material Not Purchased per Time Period	Unit Price	Total Avoided Purchase Cost	Annual Avoided Purchase Cost
		X		=	X Annual Multiplier =
<i>Double-sided copying</i>	<i>White office paper</i>	<i>12 reams per week</i>	<i>\$3 per ream</i>	<i>\$36 per week</i>	<i>\$1,872</i>
Total					