

2007 Recycling Data

Summary:

Actual Disposal Costs

Solid Waste Costs	\$607,378.64
Recycling Costs	\$110,978.43
Total	\$718,357.07

Costs Without Recycling Program

Solid Waste Costs	\$607,378.64
Cost to send recyclables to the landfill	\$1,053,760.64
Total	\$1,661,139.28

Savings through Recycling Cost Avoidance | **\$942,782.21**

			New Brunswick / Piscataway Campuses			Camden Campus			Newark Campus			University Totals	
	Type of Material	Recycled, Reused, or Both	Weight in Tons	cost per ton	Costs	Weight in Tons	cost per ton	Costs	Weight in Tons	cost per ton	Costs	Weight in Tons	Costs
Building Materials	Concrete/Asphalt	Recycled	1,269.26	\$ 58.00	\$73,617.08				29	\$ 132.66	\$3,847.14	1,298.26	\$77,464.22
Building Materials	Scrap Metal	Recycled	1,216.80	\$ 58.00	\$70,574.40				72.96	\$ 132.66	\$9,678.87	1,289.8	\$80,253.27
Food	Food Waste	Reused	3,808.0	\$ 58.00	\$220,864.00							3,808.0	\$220,864.00
Food	Food Oil/Grease	Recycled	24.72	\$ 58.00	\$1,433.76							24.7	\$1,433.76
Interior Materials	Fluorescent Lights (compacts, tubes)	Recycled	9.73	\$ 58.00	\$564.34	1.51	\$ 58.00	\$87.58	2.89	\$ 132.66	\$383.39	14.13	\$1,035.31
Interior Materials	Light Ballasts	Recycled	4.27	\$ 58.00	\$247.66	0.63	\$ 58.00	\$36.54	0.49	\$ 132.66	\$65.00	5.39	\$349.20
Interior Materials	Nicad/Lithium ,Lead Acid Batteries etc.	Recycled	1.04	\$ 58.00	\$60.32	0.65	\$ 58.00	\$37.70	0.28	\$ 132.66	\$37.14	1.97	\$135.16
Interior Materials	Mixed Paper	Recycled	804.40	\$ 58.00	\$46,655.20	161.70	\$ 58.00	\$9,378.60	434.23	\$ 132.66	\$57,604.95	1,400.3	\$113,638.75
Interior Materials	Ceiling Tiles	Recycled	0.41	\$ 58.00	\$23.78							0.4	\$23.78
Interior Materials	Consumer Electronics	Both	98.72	\$ 58.00	\$5,725.76				21.38	\$ 132.66	\$2,836.27	120.1	\$8,562.03
Interior Materials	Carpeting	Both	572.53	\$ 58.00	\$33,206.74							572.5	\$33,206.74
Interior Materials	Furniture	Both	7.86	\$ 58.00	\$455.88							7.86	\$455.88
Laboratory	Lab Chemicals	Reused	20.30	\$ 58.00	\$1,177.40							20.3	\$1,177.40
Natural Materials	Trees (Milled)	Recycled	869.00	\$ 58.00	\$50,402.00							869.0	\$50,402.00
Natural Materials	Trees (Beneficial use; mulch, firewood)	Recycled	33.68	\$ 58.00	\$1,953.44							33.7	\$1,953.44
Natural Materials	Soil	Reused	3,715.88	\$ 58.00	\$215,521.04				3.5	\$ 132.66	\$464.31	3,719.4	\$215,985.35
Natural Materials	Leaves	Reused	37.50	\$ 58.00	\$2,175.00							37.5	\$2,175.00
Packaging	Corrugated Cardboard	Recycled	922.22	\$ 58.00	\$53,488.76				944.43	\$ 132.66	\$125,288.08	1,866.65	\$178,776.84
Packaging	Glass, Alum., Plastic & Steel Cans	Recycled	356.51	\$ 58.00	\$20,677.58	31.6	\$ 58.00	\$1,832.80	300.1	\$ 132.66	\$39,811.27	688.2	\$62,321.65
Vehicle	Auto Batteries	Recycled	2.55	\$ 58.00	\$147.90				0.17	\$ 132.66	\$22.55	2.72	\$170.45
Vehicle	Auto Tires	Recycled	7.25	\$ 58.00	\$420.50				1.4	\$ 132.66	\$185.72	8.65	\$606.22
Vehicle	Solvent Waste (fuel blending & beneficial use)	Recycled	39.65	\$ 58.00	\$2,299.70							39.7	\$2,299.70
Vehicle	Motor Oil	Recycled	5.71	\$ 58.00	\$331.18				1.05		\$139.29	6.8	\$470.47
Recycling Cost Avoidance	Recycling in tonnage delivered to recycling collection centers		13,827.99			196.09			1,811.88			15,836.0	
	Per ton disposal cost			\$ 58.00			\$ 58.00			\$ 132.66			
	Total cost to RU if recyclables were sent to the landfill (this is Cost Avoidance)					\$802,023.42		\$11,373.22			\$240,364.00		\$1,053,760.64
Recycling Costs	True Recycling Costs				\$60,071.00		\$3,761.00			\$47,146.43		\$110,978.43	
Savings Realized	Savings by Recycling - Cost Avoidance				\$741,952.42		\$7,612.22			\$193,217.57		\$942,782.21	
Solid Waste Costs	Non-Recyclable solid waste in tonnage delivered to Landfills		7,992.42			355.19			928.82			9,276.4	
	Per Ton Disposal Cost			\$ 58.00			\$ 58.00			\$ 132.66			
	Cost Solid Waste disposal					\$463,560.36		\$20,601.02			\$123,217.26		\$607,378.64