



Waste Reduction In Rhode Island Hotels and Restaurants

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DEM Law



- **Effective Sept. 1996 companies with 50 or more employees are required to submit recycling reports to the DEM yearly.**
- **Any person that fails to meet the requirements of these regulations will be subject to administrative penalties as authorized by Chapter 42-17.6 of the General Laws of Rhode Island.**



Documentation

<http://www.dem.ri.gov/pubs/regs/regs/stratpol/commrecy.pdf>

Recyclable Material



- **Corrugated Cardboard**
- **Glass Food and Beverage Containers**
- **Steel, and tin coated steel cans Aluminum**
- **Coated unbleached kraft beverage carriers**
- **High density polyethylene plastic (milk, water, soda) Newspaper**
- **Telephone directories**
- **White goods (stoves, dishwashers, dryers)**
- **Wood Waste**

Waste Reduction Benefits



- **Reduced Monthly / Yearly cost**
- **Environmental Responsibility**
- **Recycling Saves Energy and Natural Resources**
- **“Green Advertising” capabilities**
- **Recycling Reduces Water Pollution**
- **Creates Jobs**
- **Preserves Landfill Space**

Recycling Receptacles



- **Toters – primarily used for Mixed Office Paper and Commingle (Bottles, Cans).**



Recycling Receptacles Cont.



- **Breakaway Compactor – Generally used for the compaction of Corrugated Cardboard.**



Recycling Receptacles Cont.



- **Front Load Dumpster – used for the collection of Corrugated Cardboard.**



Recycling Program Development



- **Gain Upper Management Support and assign a recycling coordinator**
- **Audit Waste Stream**
 - **What is discarded that can be recycled**
- **Determine necessary recycling containers and placements**
- **Determine collection responsibilities**
- **Schedule Roll Out meetings**
- **Quantify and evaluate results**

Case Studies



- **ABC Hotel, Providence, RI**

- **Services**

- 16 yd trash compactor – On Call (pulled 2x / month)
 - 10 recycling toters – 1x / week
 - (1) 10yd cardboard dumpster – 2x / week

- **Average Monthly Tonnage**

- 16 yd compactor – 12 tons
 - 10 recycling toters – 2.35- mixed paper / .97 – commingle
 - Cardboard dumpster – 4.33 tons

- **12 Tons Waste / 7.65 Tons Recycled**

Case Study Cont.



- **Avg. Trash Hauls 2**
- **Avg. Weight of Trash Hauls 6 tons**
 - **Haul Charge - \$150.00 / haul**
 - **Disposal Charge - \$75.00 / ton**

Case Study Cont.



- **Total Recycling Tonnage is 7.65 / month**
- **This represents an additional trash haul that has been diverted into Recycling**
- **Therefore the following expense was saved**
 - **\$150.00 – haul**
 - **$7.65 \times \$75 = \573.75 – disposal**
 - **Total Savings = \$723.75**
- **Monthly Recycling Charges**
 - **Toters - \$200.00 / month**
 - **Cardboard - \$250.00 / month**
 - **Total Recycling Charges = \$450.00**

Case Study Cont.



- **Total Waste Stream Reduction Savings**
 - \$723.75
- **Total Recycling Expense**
 - \$450.00
- **Total SAVINGS from RECYCLING**
 - \$273.75 / month



Case Study Cont.

**Total Yearly Savings of
\$3,285.00**

Contact Information



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