



Authorized Distributor: Adrite 817-946-3107

Sample Return On Investment From Using the *BigBelly*<sup>®</sup>  
Solar Powered Compaction System

prepared by Massachusetts Institute of Technology

| Collection Trip Savings                                | Current System | With <i>BigBelly</i> System |
|--|----------------|-----------------------------|
| Number of garbage cans in target area                  | 2              | 1                           |
| Minutes spent per can (includes travel)                | 5              | 5                           |
| Weeks of operation per year                            | 52             | 52                          |
| Trash pick ups/week                                    | 7              | 3                           |
| Collection run time for area (hours)                   | 0.2            | 0.1                         |
| Bin capacity (Gallons)                                 | 45             | 180                         |
| Gallons all target area cans can hold between pick ups | 90             | 180                         |
| Time spent on collection route (hours/year)            | 61             | 13                          |

|  |              |
|--|--------------|
| <b>Hours saved per year on trash collections</b> | <b>47.67</b> |
|--|--------------|

| ROI for Target Area   |         |              |                |
|---|---------|--------------|----------------|
| Hourly cost of trash collection operation (Vehicle, Fuel, Staff Time) |         |              | \$75           |
| Annual Collection Expense Reduced                                     |         |              | \$3,575        |
| <i>BigBelly</i> Cordless Compaction System @                          | \$3,995 | per unit     | \$3,995        |
| Approximate shipping @  | \$235   | per unit     | \$235          |
|   |         | <b>Total</b> | <b>\$4,230</b> |

|  |             |
|--|-------------|
| <b>Return on Investment in years .....</b> | <b>1.18</b> |
|--|-------------|

**Total Savings**

|  |                 |
|--|-----------------|
| <b>After the initial payback period of 1.18 years,</b> |                 |
| <b>your 5 year Total Savings would be</b>              | <b>\$13,645</b> |
| <b>your 10 Year Total Savings would be</b>             | <b>\$31,520</b> |

Cost/Savings calculations were taken from 50 units being used in New York City, and 50 units being used in Boston, MA, in 2006