



# SOLAR-POWERED TRASH COMPACTOR

Powered by BigBelly® Solar

*The Waste Management Solar-Powered Trash Compactor uses renewable energy to turn public spaces into clean, eco-friendly zones. Powered by the sun, it encourages recycling and reduces both greenhouse gas emissions and trash collection expenses. So it's good for the environment – and the economy.*



## **A better way to keep public spaces clean.**

Ordinary municipal trash barrels often overflow. The Waste Management Solar-Powered Trash Compactor holds five times as much refuse – and signals when it's ready for pick-up.



## **Vastly reduces waste collection expenses.**

Because it has five times greater capacity, the compactor can reduce the number of collection trips by 80%. Fewer collections mean 80% savings in fuel, labor and maintenance costs, and an 80% reduction in greenhouse gas emissions.



## **Affordable lease options.**

Municipalities can opt for a convenient leasing program that provides an affordable alternative to purchase. Leasing lets customers achieve immediate savings instead of expending major cash resources.



## **Powered by the sun.**

Made from recycled materials, the Waste Management Solar-Powered Trash Compactor works even in areas that don't receive direct sunlight.



## **Small, but with huge capacity.**

About the same size as a standard 35-gallon trash barrel, the compactors have a small footprint. But, thanks to patented solar-powered compression technology, they can hold about five times as much trash.



## **So tech-savvy it tells you when it's full.**

When a unit reaches capacity, sensors trigger an internal compactor that flattens the contents, converting 180 gallons of waste into easy-to-collect bags. A wireless system then signals that the can is ready to be picked up.



## **Recycling functionality.**

The kiosk unit includes receptacles for collecting plastic bottles, newspapers, glass and other recyclables. By making recycling easy, it improves recycling rates, helps keep recyclables clean, and preserves valuable resources.



## Driving Down Costs in Philadelphia

In July 2009, the city of Philadelphia will deploy 500 Solar-Powered Trash Compactors within the downtown district known as Center City. With the new compactors, the city expects to reduce weekly collections from 17 to only five to seven. Over the course of ten years, these reductions are projected to yield cash savings of more than \$12 million.

## AT A GLANCE

### KEEPS YOUR CITY CLEANER

- Eliminates unsightly trash strewn by wind, animals, and people
- Enclosed design keeps scavenging animals out, and litter in
- Safe and easy to use

### LOWERS THE EXPENSE OF TRASH REMOVAL

- Greater capacity means four out of five pick-ups can be eliminated
- Reduces fuel, maintenance costs, and greenhouse gas emissions by 80%
- Allows for more productive allocation of city resources and staff
- Typically pays for itself within two to four years because fewer collections are needed
- Available for lease or purchase with minimal capital outlay

### MAKES TRASH COLLECTION MORE EFFICIENT

- Can hold 150 gallons of trash (about five times the volume of ordinary streetside trash receptacles)
- Gets 100% of its energy from the sun and uses less than five watt hours/day
- Works in cold weather, hot weather, in the shade or when covered with snow
- Made in America, it provides "green economy" jobs and uses sustainable energy resources



## What They're Saying

*"Based on our experience thus far, we are confident that these compactors will reduce carbon dioxide emissions from vehicles by as much as 79 percent over a five-year period."*

-- TROY BUTZLAFF, Assistant City Manager for Palm Springs, California

*"Utilizing these compactors, we have saved money by reducing collections while at the same time eliminating unsightly overflowing trash cans and reducing pests and odor. The trash compactors exemplify our willingness to find innovative, environmentally friendly projects to enhance our community."*

-- MAYOR DAVID COHEN, City of Newton, Massachusetts

*"With the time savings from using this system, our trash collectors will be reassigned to other tasks, creating opportunities to do work that was not being done for lack of resources. There is always lots to do – painting buildings, cutting grass, fixing our 60-mile trail system, and so on. We will have more time to do other important tasks – tasks that make us do our jobs better."*

-- GERALD CHECCO, Park Board Superintendent, Cincinnati, Ohio



### A few of the places you can spot Solar-Powered Trash Compactors

The Alamo, San Antonio | Andover, Massachusetts | Baltimore Inner Harbour | Millennium Park, Chicago  
College Station, Texas | Dallas, Texas | Fairfax, Virginia | Fenway Park, Boston | Fort Meade, Maryland,  
and many more.



From everyday collection to environmental protection,  
Think Green.® Think Waste Management.

**Think Green.®**