



**BEFORE**



**AFTER**

## SUCCESS STORY

*LEED Platinum Certified Hotel Installs Breakthrough  
SOLAR Powered Trash Compactor and Solar Cardboard  
Baler to Slash Trash Bill and Streamline Recycling*

# OFF-THE-GRID WASTE MANAGEMENT

**Compactor &  
baler combination  
reduces trash bill  
by over 35%**

The installation of the first-of-its-kind combination solar powered trash compactor and portable cardboard baler at the LEED Platinum Certified Bardessono Hotel and Spa in the Napa Valley. Completely off the grid, the solar powered compactor packs 16 yards of loose trash into just 4 yards reducing waste pick-up at the busy property to just once per week, thus slashing hauling costs by 35%, reducing CO2 emissions by over 14 tons annually, and importantly limiting garbage truck noise to guests and neighboring residents. The solar cardboard baler fits into a small space, yet crushes 150-200 boxes into an easy-to-handle 200 lb bale making recycling simple and efficient.



Bay Area Trash Compactor



BARDESSONO HOTEL & SPA

LOCATION  
Yountville, California 94599

TYPE  
Hotel & Restaurant

WEBSITE  
www.bardessono.com

## THE CUSTOMER

Bardessono Hotel & Spa opened in February 2009 with 62 guest rooms in Yountville, California, the heart of the Napa Valley. The hotel boasts Lucy Restaurant and Bar with its own on-site, CCOF (California Certified Organic Farming) culinary garden, and a full service spa as well as personalized spa treatment areas in each of its guest rooms. We pledge to care for an uncommon set of priorities: for the environment, for each other, for our guests, for the property and for the community nearby. Together, these priorities represent a vision for unprecedented and attentive service. [www.bardessono.com](http://www.bardessono.com).



## THE CHALLENGE

Bardessono's back of the house is limited on space with the trash area positioned close to both guest rooms and residential neighbors making noise, appearance, and odors a concern. Management felt too much labor was being spent on breaking down boxes and keeping the trash area clean, especially after a weekend. Additionally, the local garbage and recycling company serviced one overflowing 4 yard Trash bin 4 days per week, one overflowing 4 yard cardboard bin 3 days and multiple glass and organics totes once per week at a cost of over \$28,000 per year.

## THE SOLUTION

An innovative solar waste and recycling solution to deliver the right waste and recycling system for each client shines through again. Bay Area Trash Compactor provides Bardessono with its breakthrough SOLAR powered P-4 four yard compactor and small footprint M42 cardboard baler combination. The compactor packs 16+ yards of loose trash into the liquid/odor tight container thus reducing the hotel's trash pick-ups 75% to just once per week slashing the trash bill by \$10,000/year. Cardboard is easily managed by the M42 baler with 150 boxes crushed into an easy-to-handle 200lb bale ready for recycling pick up and gaining reimbursement for the material. As one of only three LEED Platinum Certified hotels in the US, our new solar combination is a perfect fit as Bardessono continually seeks sustainable solutions to improve the guest experience and reduce operating expenses.



*"Mike, just letting you know the trash compactor is the best piece of equipment we could have purchased for our trash needs. It works great and holds a weeks' worth of trash, no problem. Also, I discussed the cardboard recycling with Christy from Upper Valley and we will be recycling with them. Thank you for your persistence in getting us to purchase these pieces of equipment."*

## THE RESULTS

With garbage truck trips reduced by 75%, guests and neighbors are relieved of early morning trash truck exhaust and noise and the back of the house is now tidy and odor free. Financially, the system is saving \$10,000 annually on hauling costs and saves many hours week in labor providing an ROI in less than 24 months. Over 14 tons of CO2 emissions have been eliminated.

"This unique solar waste management approach is another example of how Bardessono continues to act on environmental values to enhance guest experience. The compactor and baler have both cleaned up the back of the house, and made terrific financial and environmental sense. The fact that Bay Area Trash Compactor has developed these systems to operate off-the-grid, simply take us to the next level in sustainability."



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