

RESOLUTION NO. 2009- 214

**A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF ST. JOHNS COUNTY, FLORIDA, AUTHORIZING THE COUNTY ADMINISTRATOR, OR DESIGNEE, TO SUBMIT AN APPLICATION SEEKING FUNDING ASSISTANCE FROM THE U.S. ENVIRONMENTAL PROTECTION AGENCY.**

**WHEREAS**, the U.S. Environmental Protection Agency allows local governments to make application through a grant program to help in the establishment and implementation of climate change initiatives; and

**WHEREAS**, the deadline for the County submitting the application is July 22, 2009; and

**WHEREAS**, the County staff has reviewed the Grant application; and

**WHEREAS**, after a review of the Grant application, the County has determined that nothing contained in the Grant application negatively impacts the interests of the County; and

**WHEREAS**, after a review of the Grant application and accompanying materials, the County has determined that none of the requirements, restrictions, and/or obligations associated with award of the Grant, or the Grant itself, negatively impact the interests of the County; and

**WHEREAS**, after a review of the completed Grant application and accompanying materials, the County has determined that an award of a U.S. Environmental Protection Agency Climate Showcase Communities Grant to assist in establishment and implementation of the Green Beaches Project serves the overall interests of the County.

**NOW, THEREFORE BE IT RESOLVED, by the Board of County Commissioners of St. Johns County, Florida that:**

**Section 1.** The above Recitals are incorporated by reference into the body of this Resolution, and such Recitals are adopted as Findings of Fact.

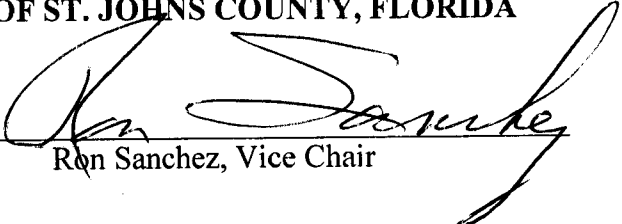
**Section 2.** The Board of County Commissioners hereby approves and authorizes the County Administrator, or designee, to submit a completed application (attached hereto, and incorporated herein), on behalf of the St. Johns County Recreation and Parks Department and St. Johns County Environmental Division for a U.S. Environmental Protection Agency Climate Showcase Communities Grant to establish and implement the Green Beaches Project.

**Section 3.** The Board of County Commissioners hereby authorizes the County Administrator, or designee, to execute any other paperwork necessary, and/or associated with the application for the U.S. Environmental Protection Agency Climate Showcase Communities Grant.

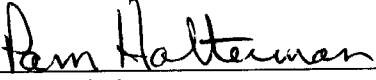
**PASSED AND ADOPTED** by the Board of County Commissioners of St. Johns County, Florida, this 18<sup>th</sup> day of August, 2009.



**BOARD OF COUNTY COMMISSIONERS  
OF ST. JOHNS COUNTY, FLORIDA**

  
Ron Sanchez, Vice Chair

**ATTEST: CHERYL STRICKLAND, CLERK**

By:   
Deputy Clerk

**RENDITION DATE** 8/20/09

## **Green Beaches Project**

This project will Protect Human Health and the Environment through four main strategies: Limiting the amount of miles that vehicles are on the road, eliminating the transfer of tons of waste to the landfill, reduce emissions to both the air and marine environment, and developing policies and procedures through the "Green Beaches" program to improve and protect the habitat found along the coastline. This will be accomplished through two objectives.

The primary project objective will be the reduction of greenhouse gases through reducing the number of miles County vehicles are on the road, eliminating the transfer of waste to the landfill by increasing the recycling program to additional locations, and reducing the emissions to the air and water quality of the marine environment.

The secondary project objective will be the development of transferrable criteria for a "Green Beaches" program enabling beach managers, in particular municipalities, to adopt this program and demonstrate management practices with a positive impact on the coastal environment. Currently there is no program similar to this in the United States, although one exists in Europe. With the popularity and recognition the coastal environment receives across the county and especially here in Florida, this would be a great way to showcase the efforts being made by those who are responsible for the marine environment. The program will develop stewardship within the beach communities and facilitate the relationships between volunteers and local non-profits.

TO: St. Johns County  
Billy Zeits, Beach Manager

Waste Management distributes the BigBelly Solar-Powered Refuse Compactor, which is manufactured by BigBelly Solar. BigBelly has provided the response below to your questions of June 16, 2009.

In response:

Gas reduction is based off the reduction in truck trips you currently make to service your present refuse containers. In order to calculate for you (St. Johns County), BigBelly would need additional information, kind of truck (size), Avg. fuel mileage of said truck, and length of route in miles. With this information, Big Belly would calculate your current greenhouse gas generation and then calculate the emissions based on reduced trips. They can give you actual reduction in tons.

The BigBelly holds an average 180 gallons of trash – the max is 220 gallons. According to the information you previously provided, you are currently using 55 gallon trash containers. The BigBelly would hold 3 to 5 times your current capacity.

BigBelly life span is based on units in the field – 5 years, and a 10 year salt spray and corrosion testing. BigBelly averages the life span in the middle as 10 years.

Maintenance of the BigBelly is very minimal. Lubrication of the locks one time per year, and clean as needed. This could certainly be done at the time of pick up, and replacement of the 12 volt DC battery which typically lasts 4 to 5 years, depending on environmental conditions.

Additional information about BigBelly:

Seahorse Power Company was founded in 2003 with a mission to reduce fossil fuel consumption through innovative cost-saving approaches to inefficient, everyday problems.

Our BigBelly product was so successful, we changed our name to BigBelly Solar and refocused the company around a central business proposition: saving fuel is environmentally and fiscally sound.

Today, BigBelly Solar is changing the concept of waste collection by implementing on-site solar compaction systems. Our flagship product, the BigBelly, can be found around the world, reducing pollution by cutting down the frequency of trash collection trips.

At BigBelly Solar, we are committed to improving the environment and economies of the world by utilizing efficient approaches to everyday problems.

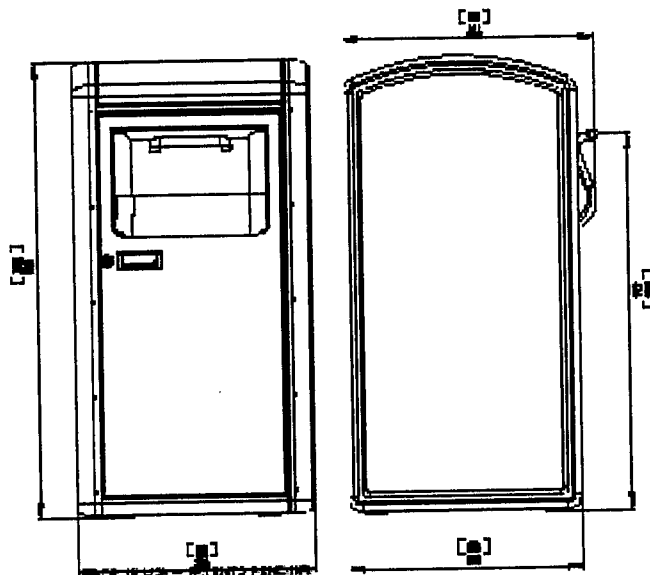
We have also included the technical specification on the unit.



# BigBelly<sup>®</sup>

SOLAR COMPACTOR

## Technical Specs



### Overall Machine Dimensions

- Height: 50.4" (1281mm)
- Width: 26.1" (664mm)
- Depth: 25.9" (657mm)
- Handle Height (ADA Compliant): 41.6" (1056mm)
- Weight: 300 lbs (136 kg)
- Trash Hopper Insertion Opening: 6" x 17" (152mm x 432mm)
- Bin Volume: 32 gallons
- Liner Bag: 32" H, 92" circumference (recommended thickness at least 2 mil)
- Conforms to ADAH standards

### Compaction Features

- Compaction Force: 1250 lbs. max (570 kg)
- Cycle Time: 41 seconds (users can deposit trash during cycle—no lock-out)
- Motor Size: 1/6-HP DC gear motor
- System Voltage: 12 Volts DC
- Drive System: Gear motor with chain drive (non-hydraulic); ANSI No. 40 heavy-duty chains
- Fully automated, IC processor controlled system senses trash level, fullness and machine status
- 3-color LED status lamps indicate compacted trash level, machine status and error codes
- Unique design achieves deep ram penetration
- Vertical ram travel provides even compaction

### Materials

- RoHS compliant
- Galvanized sheet metal steel interior and exterior construction (recycled content)
- Heavy duty plastic side panels for dent and scratch resistance (recycled content)
- Exterior Finish: polyester TGIC powder-coat finish for outdoor and salt-spray durability
- Trash Bin: single bin is leak proof made out of low-density polyethylene plastic

### Photovoltaic System

- Poly crystalline silicon cell module
- Nominal Output: 30 Watts
- Shock-dampening mount system
- PV panel protected by polycarbonate bubble
- Spill-proof, sealed maintenance-free 12V battery
- Charge maintained by Pulse Width Modulator
- Cordless, self-powered unit requires no wiring
- Fully portable—no installation required

### Safety Features

- CE approved
- Fully interlocked access doors protect users and service personnel
- Locked front trash removal door
- Separately keyed service access
- Fault-tolerant design for trash hopper insertion door prevents access to compaction area
- Low-voltage system

**Application for Federal Assistance SF-424** Version 02

<b>*1. Type of Submission:</b> <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	<b>*2. Type of Application</b> <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	<b>* If Revision, select appropriate letter(s)</b>  <b>*Other (Specify)</b> _____
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<b>3. Date Received:</b>	<b>4. Applicant Identifier:</b>
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<b>5a. Federal Entity Identifier:</b>	<b>*5b. Federal Award Identifier:</b>
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**State Use Only:**

<b>6. Date Received by State:</b>	<b>7. State Application Identifier:</b>
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**8. APPLICANT INFORMATION:**

<b>*a. Legal Name:</b> St. Johns County	
<b>*b. Employer/Taxpayer Identification Number (EIN/TIN):</b> 59-6000825	<b>*c. Organizational DUNS:</b> 073236739

**d. Address:**

<b>*Street 1:</b>	<u>2175 Mizell Rd.</u>
<b>Street 2:</b>	_____
<b>*City:</b>	<u>St. Augustine</u>
<b>County:</b>	<u>St. Johns</u>
<b>*State:</b>	<u>FL</u>
<b>Province:</b>	_____
<b>*Country:</b>	<u>USA</u>
<b>*Zip / Postal Code</b>	<u>32080</u>

**e. Organizational Unit:**

<b>Department Name:</b> Recreation and Parks	<b>Division Name:</b> Recreation and Parks
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**f. Name and contact information of person to be contacted on matters involving this application:**

<b>Prefix:</b> <u>Mr.</u>	<b>*First Name:</b> <u>Billy</u>
<b>Middle Name:</b>	_____
<b>*Last Name:</b>	<u>Zeits</u>
<b>Suffix:</b>	_____
<b>Title:</b>	<u>Beach Manager</u>
<b>Organizational Affiliation:</b> <u>St. Johns County Government</u>	
<b>*Telephone Number:</b> 904 209-0333 office	
<b>Fax Number:</b> 904 209-0321	
<b>*Email:</b> bzeits@sjcf.us	

**Application for Federal Assistance SF-424**

Version 02

**\*9. Type of Applicant 1: Select Applicant Type:**

B.County Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

\*Other (Specify)

**\*10 Name of Federal Agency:**

U. S. Environmental Protection Agency

**11. Catalog of Federal Domestic Assistance Number:**

66.041

CFDA Title:

CLIMATE SHOWCASE COMMUNITIES

**\*12 Funding Opportunity Number:**

EPA-OAR-CPPD-09-08

\*Title:

"CLIMATE SHOWCASE COMMUNITIES"

**13. Competition Identification Number:**

\_\_\_\_\_  
Title:  
\_\_\_\_\_

**14. Areas Affected by Project (Cities, Counties, States, etc.):**

St. Johns County

**\*15. Descriptive Title of Applicant's Project:**

"Green Beaches Project"

The primary project objective will be the reduction of greenhouse gases through reducing the number of miles County vehicles are on the road, eliminating the transfer of waste to the landfill by increasing the recycling program to additional locations, and reducing the emissions to the air and water quality of the marine environment.

OMB Number: 4040-0004  
Expiration Date: 01/31/2009

**Application for Federal Assistance SF-424** Version 02

**16. Congressional Districts Of:**  
\*a. Applicant: FL-007 \*b. Program/Project: FL-007

**17. Proposed Project:**  
\*a. Start Date: 01/01/2010 \*b. End Date: 01/01/2011

**18. Estimated Funding (\$):**

*a. Federal	300,070.00
*b. Applicant	150,160.22
*c. State	_____
*d. Local	_____
*e. Other	_____
*f. Program Income	_____
*g. TOTAL	450,230.22

**\*19. Is Application Subject to Review By State Under Executive Order 12372 Process?**  
 a. This application was made available to the State under the Executive Order 12372 Process for review on \_\_\_\_\_  
 b. Program is subject to E.O. 12372 but has not been selected by the State for review.  
 c. Program is not covered by E. O. 12372

**\*20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes", provide explanation.)**  
 Yes  No

21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U. S. Code, Title 218, Section 1001)  
 \*\* I AGREE  
\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions

**Authorized Representative:**  
Prefix: Mr. \_\_\_\_\_ \*First Name: Billy \_\_\_\_\_  
Middle Name: \_\_\_\_\_  
\*Last Name: Zeits \_\_\_\_\_



Suffix: _____	
*Title: Beach Manager	
*Telephone Number: 904 209-0333	Fax Number: 904 209-0321
* Email: bzeits@sjcfi.us	
*Signature of Authorized Representative:	*Date Signed:

Authorized for Local Reproduction

Standard Form 424 (Revised 10/2005)  
Prescribed by OMB Circular A-102

**Application for Federal Assistance SF-424**

Version 02

**\*Applicant Federal Debt Delinquency Explanation**

The following should contain an explanation if the Applicant organization is delinquent of any Federal Debt.

**Agency:** ENVIRONMENTAL PROTECTION AGENCY (EPA)

**Title:** "CLIMATE SHOWCASE COMMUNITIES"

**Action:** Request for Applications (RFA)

**RFA No.:** EPA-QAR-CPPD-09-08

**Catalog of Federal Domestic Assistance (CFDA) No.:** 66.041

**Dates:** The closing date and time for receipt of hard copy application packages is **July 22, 2009, 4:00 p.m. Eastern Daylight Time (EDT)**. All hard copies of application packages must be received by Jane Kurtz by **July 22, 2009, 4:00 p.m., EDT** in order to be considered for funding. Electronic submissions must be submitted to ClimateShowcaseApplications@epa.gov and include the "Announcement title or #" – [name of applicant] in the subject line and be received **by July 22, 2009 4:00 p.m. EDT** in order to be considered for funding. Applications received after the closing date and time will not be considered for funding.

To allow for efficient management of the competitive process, EPA requests submittal of an informal notice of an Intent to Apply by July 1, 2009. **Submission of Intent to apply is optional**; it is a process management tool that will allow EPA to better anticipate the total staff time required for efficient review, evaluation, and selection of submitted applications. Intents to Apply may be submitted via email to ClimateShowcaseInquiries@epa.gov. We ask that the intent to apply include the applicant's name, contact information, and a 2-3 sentence description of the intended project.

**Summary:** This notice announces the availability of funds and solicits applications from eligible entities to compete for financial assistance through the Climate Showcase Communities Grant Program. This program will assist local and tribal governments in developing plans, conducting demonstrations, and implementing projects that reduce greenhouse gas emissions while achieving additional environmental, economic, public health, and/or community benefits. The overall goal of the Climate Showcase Communities program is to create replicable models of sustainable community action that generate cost-effective and persistent greenhouse gas reductions while improving the environmental, economic, public health, or social conditions in a community.

**Funding/Awards:** The total estimated funding for this competitive opportunity is approximately \$10,000,000. Approximately \$500,000 of this amount will be awarded to tribal governments or tribal consortia under a tribal government set-aside. EPA anticipates awarding a total of approximately 20-30 cooperative agreements from this announcement, subject to availability of funds and the quality of applications received. EPA anticipates awarding up to 5 cooperative agreements of up to \$100,000 of requested federal funds and 19 -25 cooperative agreements ranging in value from \$300,000 to \$500,000 of requested federal funds. The maximum amount of requested federal funding shall not exceed \$500,000.

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- IV. Application and Submission Information
- V. Application Review Information
- VI. Award Administration Information
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