

SUSTAINABILITY OPPORTUNITIES

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How Can I Be More Sustainable?

Find this online at <http://www.nasa.gov/centers/johnson/about/sustainability>

FEB 20 16



2016 MONTHLY FOCUS AREAS

January & February
LAND

July & August
AIR

March & April
WATER

September & October
ENERGY

May & June
PEOPLE

November & December
MATERIALS

SUSTAINABILITY OPPORTUNITIES

FEB 2016

Green Building Resource Center (GBRC)

A LOOK BACK BEFORE WE LOOK AHEAD



In the same building and next to the permitting office downtown is a large display of booths exhibiting ways to save energy (and money) in your home. On Tuesday, January 26th, three sustainability champions tested JSC's new electric vehicle for a trip to the GBRC. Steve Stelzer with the City of Houston, gave us a tour which included roof and wall insulation that can drop your attic temperature by over 60°F! How many Incandescent light bulbs does it take to change one LED? Twenty! Look for our upcoming tour to the Toyota Center February 2nd!

Read the [FY2016 Sustainability Engagement Strategy](#) to discover ways to live, work, and play more sustainably.

JSC's Environmental Webpage
How do I monitor the energy usage in my JSC building?
JSC Environmental Brown Bag Presentations
JSC Environmental Newsletter Archives

INTERNAL PHOTOS & LINKS



UPCOMING EVENTS

NOTE: Italics indicate a JSC internal event

Do you bike to work? Know someone who does? We're collecting stories of your commuting adventures on two wheels as we plan for Bike to Work Day 2016! E-mail with a note about your experiences, and whether or not we can republish it as we develop a communications strategy for the event.

Free Day in Nature, Every 1st & 3rd Sunday

Hike the trails (guides available). View the prairie, forest, marshes, and reptiles on display.

12:00 – 5:00PM

Armand Bayou Nature Center

Further info: (281) 474-2551x10 or www.abnc.org

Feb 2nd – Tour of the Toyota Arena with Greg Poole

The Toyota Center is 1 of 4 arenas in the U.S. that has been modified to reach LEED standards. Come to learn what it takes for Silver certification on a large scale.

1:15 – 3:15PM

Point of "Carpool": Stacy Shutts

Feb 9th – Environmental Brown Bag Presentation: "Biodigester Research and Implementation" with the University of South Florida

12:00 – 1:00PM

B12 / R200-200A

POC: Laurie Peterson

Feb 9th – NASA JSC Green Team Meeting

2:00 – 3:00PM

B57/R107

POC: Jeni Morrison

Feb 12th – "Spirit of the Bayou" Valentine cruise

Hop aboard! Bubbly beverages and sweet bites will be provided during a romantic boat ride in the evening with spectacular views of downtown Houston. Cost: \$40/person

6:00 – 7:00PM

Sabine Promenade, reservations required

Further info: Weather and water levels permitting, contact [Buffalo Bayou Partnership](#).

Feb 20th – Sea Turtle Saturday

Scientists will present on research, rehabilitation, stranding response, and conservation of sea turtles. Tour NOAA's saltwater tanks housing more than 350 turtles.

8:00 – 12:30PM

4700 Avenue U, Galveston, TX, 77551

FEATURED STORY:

Fresh Fermentations



Biogas, including methane gas, is produced through anaerobic digestion—"without oxygen". The other product of a biodigester is digestate, or a slurry more decomposed than fresh manure. It contains Nitrogen, Potassium, and Phosphorus available to plants. After diluting with water 10:1, digestate can be used as fertilizer.



The Engineers Without Borders (EWB) have loaned a 55-gallon single stage biodigester to the Center for Agriculture, Science, and Engineering ("Longhorn Project") to experiment with capturing methane from manure; students will learn the applications of methane in space, such as the Morpheus Lander. Understanding the optimal conditions to produce the maximum methane potential will benefit EWB in their 2016 Kenya installation.

At the Johnson Space Center (JSC)

- Already reduced energy consumption 10% since 2000



- Planting 90% native vegetation, decreasing water needs

- Diverting 50% of trash from landfills through recycling, reuse, and reduction



What are you doing?

- Calculate and reduce your ecological footprint
- Get involved in your community



- What else?



HOW CAN I BE MORE SUSTAINABLE?

Calculate your ecological footprint!
How many Earths does it take to sustain your lifestyle if everyone in the world lived like you?

"My goal as the JSC Center Operations Director is to create a working environment where JSC employees feel happy, comfortable, and productive to support our mission. Similarly, my vision for sustainability is that it's something we don't even think about; it's ingrained in our thinking. We just do it."

Joel Walker, JSC Center Sustainability Officer



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