



# Sustainability Opportunities



Let us know if you'd like more information. (Red font = JSC internal event)

Here are your **November 2014 Sustainability Opportunities** at the Johnson Space Center and in the greater Houston area. Please participate, and contact [JSC-Sustainability@mail.nasa.gov](mailto:JSC-Sustainability@mail.nasa.gov) with additional opportunities.

Get this electronically at <http://www.nasa.gov/centers/johnson/about/sustainability/index.html>

Within this notification:

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**A Look Back before we Look Ahead...**

*Are you a Natural Champion?*



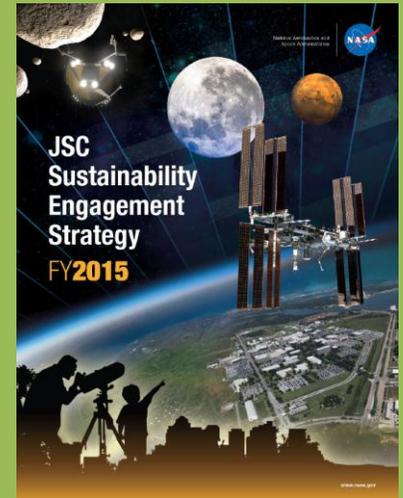
[Download the PowerPoint from the Oct 22<sup>nd</sup> inaugural meet up!](#)  
(scroll down to What's New in Sustainability)

## 2014 Monthly Sustainability Focus Areas

- Jan - Feb = **LAND**
- Mar - Apr = **WATER**
- May - Jun = **PEOPLE**
- July - Aug = **AIR**
- Sept - Oct = **ENERGY**
- Nov - Dec = **MATERIALS**

Every Month  
Join the Fun &  
Educational Sustainability  
Activities related to our  
JSC Sustainability Model  
Check out all the  
Red Font activities on  
the following pages!!

Do you know what "Sustainability" actually means? Read our JSC Sustainability Engagement Strategy!!

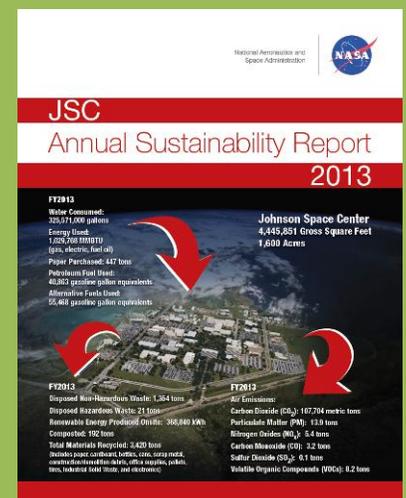


In our JSC Sustainability model, there are 6 natural resources we're trying to protect while meeting our mission objectives here at JSC.

Employees can find out more at our internal JSC Sustainability Webpage!



You're making a difference in our JSC Annual Sustainability Report!!



FY2013		FY2013	
Water Consumed:	225,571,000 gallons	Carbon Dioxide (CO <sub>2</sub> ):	107,704 metric tons
Energy Used:	1,025,708 kWh (117.12 MW)	Perchloric Acid (PCl):	0.18 tons
Oil Use (Electricity):	10,000 gallons (40,000 lbs)	Hydrogen Peroxide (HP):	5.4 tons
Paper Purchased:	427 tons	Carbon Monoxide (CO):	3.2 tons
Petroleum Fuel Used:	40,263 gallons (gallon equivalents)	Sulfur Dioxide (SO <sub>2</sub> ):	0.1 tons
Alternative Fuel Use:	55,460 gallons (gallon equivalents)	Waste Organic Compounds (WOC):	0.2 tons
Disposal Non-Hazardous Waste:	1,364 tons		
Disposal Hazardous Waste:	21 tons		
Renewable Energy Production Onsite:	305,880 kWh		
Composted:	192 tons		
Total Materials Recycled:	3,420 tons		
Materials Recycled (excluding tires, steel, iron, metal, construction materials, metal, plastic, paper, cardboard, metal, industrial 5500, tires, and electronics):			



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## Upcoming Events

- **Nov 5<sup>th</sup>: JSC EMERGE ERG hosts “Innovations through Generations”**
  - 12:00 – 1:30PM
  - Teague Auditorium
  - POC: Rachel Copeland
- **Nov 7<sup>th</sup>: JSC Flex Friday**
- **Nov 11<sup>th</sup>: NASA Holiday – Veteran’s Day**
- **Nov 10<sup>th</sup> – 13<sup>th</sup>: America Recycles Day Events**
  - *Nov 6<sup>th</sup> Drop off recycled Artwork (B45 R614, Jeni Morrison)*
  - **Nov 13<sup>th</sup> Book Swap, View & Vote on Recycled Artwork, Free Cookies!**
  - 11:00AM – 1:00PM
  - JSC Teague Lobby
- **Nov 18<sup>th</sup>: JSC Monthly Environmental Brown Bag “LEDs and Industrial Lighting”**
  - 12:00-1:00
  - B45 R751
  - POC: Michelle Fraser-Page
- **Nov 18<sup>th</sup> – 20<sup>th</sup>: Clean Air Through Energy Efficiency (CATEE) Conference**
  - Sponsored by Texas A&M
  - <http://catee.tamu.edu/home>
- **Nov 19<sup>th</sup>: Waste Management Single-Stream Recycling Tour (Gasmer Facility)**
  - 9:00 – 11:00AM
  - Carpooling available with advanced reservation
  - POC: Michelle Fraser-Page
- **Nov 19<sup>th</sup>: JSC Green Team Monthly Meeting**
  - 1:00 – 2:00PM
  - New JSC Collaboration Center (B56, TBC)
  - POC: [jsc-green-team@mail.nasa.gov](mailto:jsc-green-team@mail.nasa.gov)
- **Nov 19<sup>th</sup>: Education Seminar – Recycling Update Houston 2014**
  - 6:00 – 8:00PM
  - Green Building Resource Center, 1002 Washington, 77002
  - Guest Speakers: Candace Seger, President, Corporate Waste Solutions, LLC, Sarah Mason, Sr Environmental Analyst, City of Houston Solid Waste Management, Clive Hess, President, Compucycle
  - <http://www.greenhoustontx.gov/gbrceducation.pdf>
  - Free and open to the public.
- **Nov 21<sup>st</sup>: JSC Flex Friday**
- **Nov 22<sup>nd</sup>: Rain Barrel and Compost Bin Truckload Sale**
  - 10:00AM – 2:00PM
  - Green Building Resource Center, 1002 Washington, 77002
  - The rain barrels and compost bins, which typically retail at \$119, will be offered for just \$68.00 each and comes with instructions for easy set-up and use. Made from 100% recycled materials, rain barrels provide homeowners with an affordable alternative to watering from the tap.
  - Order by November 16, 2014 [www.RainBarrelProgram.org/Houston](http://www.RainBarrelProgram.org/Houston)
- **Nov 27<sup>th</sup>: NASA Holiday - Thanksgiving**



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- **Dec 4<sup>th</sup>: JSC Environmental Stewardship Subcommittee Quarterly Meeting**
  - 10:00 – 11:00AM
  - B1/820
  - POC: Alan Amor or Brandon Campbell
- **Dec 6<sup>th</sup>: Holiday Watershed Market**
  - 10:00AM – 4:00PM
  - Green, Local, Adaptive, Sustainable, Innovative, Reusable Gifts
  - [www.watershedmarket.com](http://www.watershedmarket.com)
- **Dec 10<sup>th</sup>: JSC Sustainability Partnership Team Bi-Monthly Meeting**
  - 3:00 – 4:30PM
  - B45/751
  - POC: Mike Ewert



## Featured Story “Who’s your Sustainability Hero?”

The White House today announced the winners of the 2014 GreenGov Presidential Awards at:

<http://www.whitehouse.gov/greengov/presidential-awards>

As Director of Center Operations for the Johnson Space Center in Houston, Texas, Joel Walker has promoted a sustainability culture that permeates the entire organization. Mr. Walker has developed and implemented a multifaceted sustainability management approach that has focused on areas of energy and water reduction, green purchasing, reducing the generation of hazardous waste and increased diversion from landfilling of waste through recycling initiatives. For example, under his direction, Johnson Space Center has constructed 8 certified green buildings averaging 35-40 percent reductions in energy and water consumption of comparable facilities. Under his leadership, Johnson Space Center has reduced potable water use by 15 percent annually or over 60 million gallons per year since 2009 and over the past two years composted over 85,000 pounds of food waste. Clearly Mr. Walker’s leadership has set the standard for sustainability.

The GreenGov awards are among the top Federal environmental awards and receive significant level of review during the selection process.

Congratulations, Joel! Thanks for all you do for NASA JSC.





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## How can I be more sustainable?

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

<http://www.footprintnetwork.org/en/index.php/GFN/page/calculators/>



## Internal NASA Links

### JSCs Internal Sustainability Webpage

*(also accessible via the JSC Internal Homepage → Around JSC → Sustainability Initiatives)*

<http://jsc-web-www6.jsc.nasa.gov/ja/ja13/capp.cfm>

### JSC Photos of the Natural Champions Meet Up, Earth Day 2014 and local wildlife

<http://io.jsc.nasa.gov/app/browse.cfm?cid=55905&ord=4&&pn=3&rpp=25&ct=1>

<https://io.jsc.nasa.gov/app/browse.cfm?cid=49948>

<https://io.jsc.nasa.gov/app/browse.cfm?cid=51063&&pn=1&rpp=25&ct=1>

### How do I monitor the energy usage in my JSC building?

<http://ebiem:8080/idashboards/?guestuser=guest>

### JSC Environmental Brown Bag Presentations

<http://jsc-web-www6.jsc.nasa.gov/bbs/scripts/>

(Scroll down to "Environmental Brown Bag")

### JSC Environmental Newsletter Archives

<https://jsc-web-www6.jsc.nasa.gov/ja/ja13/greenside.cfm>