



# Sustainability Opportunities



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

Here are your **January 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.

## Within this notification:

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## A Look Back before we Look Ahead...

*From your JSC  
Sustainability Champions,  
We wish you... **A HAPPY  
NEW YEAR***

## ENLIGHTEN YOURSELF WITH OUR 2014 SUSTAINABILITY ENGAGEMENT STRATEGY

What is Sustainability? *Is it more than just recycling?*

How do I calculate my ecological footprint?

What's one thing I can do this year to decrease my footprint?

**Get your copy [here](#), and schedule a presentation [here](#).**



## 2014 Monthly Sustainability Focus Areas

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

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. Find out more at the [JSC Sustainability Webpage!](#)



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

**JSC Annual Sustainability Report 2012**

- 12%** REDUCTION in electricity consumption from FY 2011
- \$54,400,000** in hardware waste generation over 20 years instead of disposal
- 404,644 kWh** of renewable energy generated onsite
- 99%** REDUCTION in hazardous waste generation over 20 years
- 280,000 GALLONS** of water runoff saved for irrigation
- 321,660 SQUARE FEET** of certified green building space
- 750 ACRES** containing new Texas Coastal Prairie habitat
- 3** more efficient chillers installed
- 11%** REDUCTION in water use from FY 2011
- \$30,000** saved in 10 weeks through a JSC Green Team energy saving competition
- 69%** REDUCTION in petroleum fuel use in fleet vehicles from FY 2005
- One Presidential Greenleaf award** earned by NASA



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## Sustainability Opportunities this month

*METRO opens its North/Red line extension (take a ride!)*

<http://www.ridemetro.org/SchedulesMaps/RailSched.aspx>

- **Jan 7<sup>th</sup> & Jan 8<sup>th</sup>-24<sup>th</sup> – Herman Park Conservancy's Centennial Art Project – Call for Volunteers**
  - Artist Patrick Dougherty will be constructing a site-specific work in Hermann Park in January 2014 as part of Hermann Park Conservancy's Centennial Art Project, Art in the Park. <https://2014hpc100.theregistrationsystem.com/en/1196>
- **Jan 7<sup>th</sup> – Webinar: Kick Starting Your Energy Management Program**
  - 2:00 – 3:00PM
  - Join Shorenstein and Allegheny College as they describe solutions that have helped them jump hurdles to develop a culture of sustainability within their organizations.
  - <https://www4.gotomeeting.com/register/876952055%5d>
- **Jan 14<sup>th</sup> – JSC Environmental Brown Bag – Exploration Green Conservancy**
  - 12:00 – 1:00PM
  - B45/751
  - POC: Michelle Fraser-Page
- **Jan 15<sup>th</sup> – JSC Green Team Meeting – Welcome our new Chair: Janice Makinen!!**
  - 1:00 – 2:00PM
  - Location: TBD (follow the JSC Today or contact [jsc-green-team@mail.nasa.gov](mailto:jsc-green-team@mail.nasa.gov))
  - POC: Janice Makinen
- **Jan 15<sup>th</sup> – JSC Sustainability Partnership Team Meeting – kicking off 2014 projects**
  - 3:00 – 4:00PM
  - Location: TBD (follow the JSC Today or contact [chantel.s.whatley@nasa.gov](mailto:chantel.s.whatley@nasa.gov))
  - POC: Mike Ewert
- **Jan 17<sup>th</sup> – JSC Flex Friday**
- **Jan 17<sup>th</sup> – Green Event Center – Open House**
  - 5:00 – 8:00PM
  - 2000 West Parkwood, Friendswood, TX
  - Enjoy food, fun and fabulous vendors with the Friendswood Green Event Center
  - [https://imageserv10.team-logic.com/mediaLibrary/246/Green\\_Event\\_Center.pdf](https://imageserv10.team-logic.com/mediaLibrary/246/Green_Event_Center.pdf)
- **Jan 18<sup>th</sup> – CleanEdison Solar PV Design & Sales Training**
  - <http://www.cleannedison.com/courses/solar-photovoltaic-sales/>
- **Jan 20<sup>th</sup> – NASA Holiday → Birthday of MLK Jr.**
- **Jan 25<sup>th</sup> – Electronics Recycling Event at Clear Brook High School**
  - 9:00AM – 2:00PM
  - Clear Brook High School, 4607 FM2351, Friendswood, TX 77546
  - Questions? Contact Jill Massie 832-969-3180 or [Jillmassie@att.net](mailto:Jillmassie@att.net).
- **Jan 25<sup>th</sup> – Houston Press Artopia 2014**
  - 8:00PM – 11:00PM
  - Winter Street Studios, Houston
  - [www.HoustonPressArtopia.com](http://www.HoustonPressArtopia.com)
- **Jan 31<sup>st</sup> – JSC Flex Friday**



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## Sneak Peek at Upcoming Events in 2014

- **Feb 1<sup>st</sup> – CleanEdison LEED Green Associate Training**
  - <http://www.cleannedison.com/courses/leed-green-associate/>
- **Feb 6<sup>th</sup> – Certified Sustainability (CSR) Practitioner Training**
  - Houston, Texas
  - This IEMA Approved challenging 2-day course enables participants to acquire the skills and competencies required to become qualified CSR practitioners.
  - <http://www.eventbrite.com/e/certified-sustainability-csr-practitioner-training-beyond-energy-efficiency-and-reporting-houston-tickets-8710016895>
- **Feb 10<sup>th</sup> – 11<sup>th</sup> 2014 Good Jobs, Green Jobs Conference**
  - Washington, D.C.
  - This Conference is the nation's leading forum for sharing ideas and strategies for building a clean economy that creates good jobs, addresses climate change and puts America back at the forefront of clean energy and clean economy innovation.
  - [www.greenjobsconference.org](http://www.greenjobsconference.org)
- **Feb 14<sup>th</sup> – JSC Flex Friday**
- **Feb 17<sup>th</sup> – NASA Holiday → Washington's Birthday**
- **Feb 28<sup>th</sup> – JSC Flex Friday**
- **Apr 21<sup>st</sup> – Progressive Forum present “Bill McKibben – Cofounder of 350.org”**
  - 7:30PM
  - Wortham Center, The Cullen Theater
  - Bill McKibben is cofounder of 350.org, which is “building a global grassroots movement to solve the climate crisis.” The organization has coordinated over 20,000 climate demonstrations in over 188 countries and has led opposition to the Keystone XL pipeline, which would connect high-carbon tar-sand oil to Houston refineries. Texas emits more green house gasses than any other state.
  - <http://www.progressiveforumhouston.org/event/bill-mckibben>
- **Apr 24<sup>th</sup> – LightsOut Houston**
  - 10:00PM through Sunday Apr 27<sup>th</sup>
  - This program involves obtaining a pledge by those committed to implementing energy efficiency measures and operating procedures that will lead to a sustainable reduction in electricity consumption.
  - <http://www.lightsouthouston.com/>
- **June 19<sup>th</sup> – Gulf Coast Green**
  - Through June 20<sup>th</sup>
  - Join us at a leading green building conference in the Gulf Coast region. The Gulf Coast Green Symposium and Expo will include activities over two days as well as a Green Product Showcase featuring hand-selected green building products that will be open to all attendees concurrently with the symposium.
  - <https://aiahouston.org/v/site-home/Gulf-Coast-Green/35/>



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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://myfootprint.org/>

## What is your New Year's Resolution?

8 Green New Year's Resolutions

[http://greenliving.about.com/od/greenprograms/tp/green\\_new\\_years\\_resolutions.htm](http://greenliving.about.com/od/greenprograms/tp/green_new_years_resolutions.htm)

## Ten Ways to Go Green and Save Green

[http://www.worldwatch.org/resources/go\\_green\\_save\\_green](http://www.worldwatch.org/resources/go_green_save_green)

## Check out the "No Impact Project"

<http://noimpactproject.org/>



## Additional Links

### Looking for other Sustainability Supporters (for & non-profit) in the Greater Houston Area?

<http://www.cechouston.org/resourceguide/2013resourceguide.pdf>

### Shell Center for Sustainability Houston Sustainability Indicators (HIS) report & presentation video

<https://shellcenter.rice.edu/Content.aspx?id=2147483977>

### Top Greenest Cities in North America (2011)

<http://www.siemens.com/press/pool/de/events/2011/corporate/2011-06-northamerican/northamerican-gci-report-e.pdf>

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

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

### USGBC Texas Gulf Coast Chapter Releases "Is Houston Solar Ready?"

Publication: Available for free [download](#).

### Sign up for the Citizen's Environmental Coalition Newsletter

<http://www.cechouston.org/cec-programs/houston-environmental-news-update/>

### City of Houston's Official Green Site

<http://www.greenhoustontx.gov/index.html>

### Sustainable Houston

<http://www.sustainablehouston.org/index.html>