

Sustainability Opportunities

NASA-JSC

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Car & climate.nasa.gov

Executive Order Infographic

Online @ <http://www.nasa.gov/centers/johnson/about/sustainability>

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?



“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



If everyone lived your lifestyle, how many Earths would it take? Calculate your **ecological footprint!**

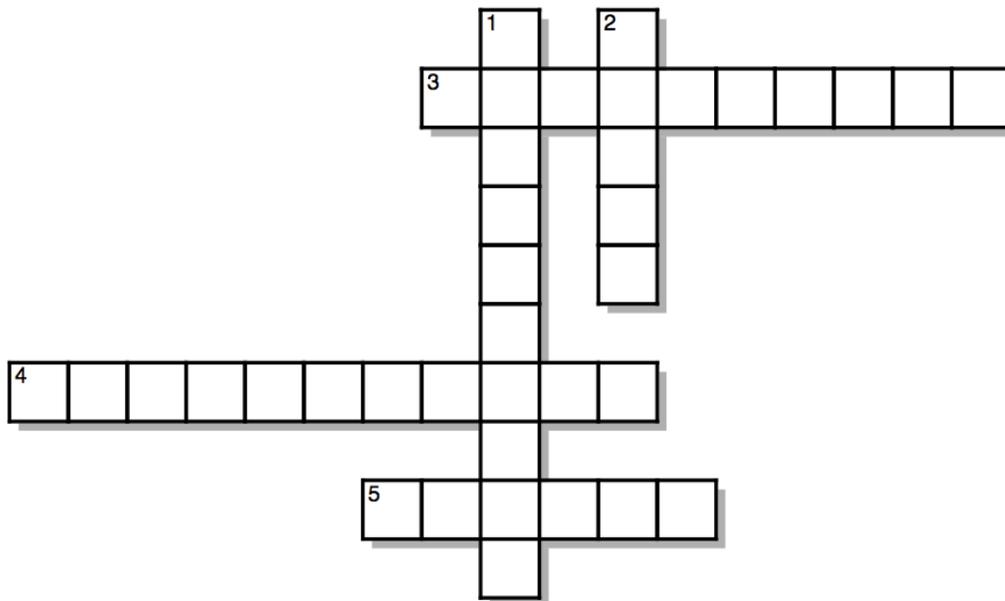
#nasagoesgreen

tag your green actions!

To unsubscribe from this newsletter, go to <https://lists.nasa.gov/mailman/listinfo/jsc-sustainability>

Sustainability Trivia

September 2016 Edition



ACROSS

- 3 Most abundant greenhouse gas
- 4 Average amount of water (in gallons) per day an American family of four uses
- 5 Percentage of acidity increase of the oceans since the Industrial Revolution

DOWN

- 1 State with the most solar electric capacity installed
- 2 State that produces the most wind power in the U.S

Send your correct answers to JSC-Sustainability@mail.nasa.gov to be featured in the October issue with the solutions.

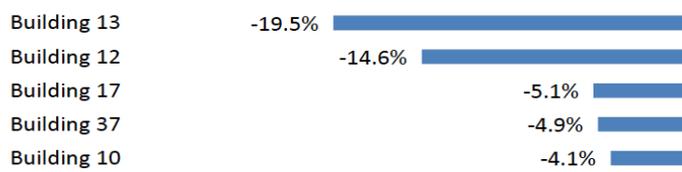
2016 Energy Challenge Ranking

Outlying Area



Percent Change in Electricity Usage through August 15th

Mall Area



For all the competitive types out there, JSC has another challenge to satisfy your appetite for winning! Since the beginning of August, all buildings have been ranked by reductions in their energy usage relative to a baseline taken 3 months prior.

Above are the top 5 buildings in both the Mall and Outlying Areas. Way to go! If your building is not on the list, step it up and start unplugging at the end of the day, turning off lights when applicable, closing shades, and cutting back on printing. See page 5 for more tips and encourage your co-workers to do the same.

Check centerops.jsc.nasa.gov/sustainability/greenteam to see where your building ranks. Status updates will be posted every 2 weeks.

Did you know?

30% of energy in buildings is used inefficiently or unnecessarily, and \$20 billion could be saved if efficiency in commercial and industrial buildings improved by 10%? (US EPA)



Bring Your GREEN TO WORK

with ENERGY STAR®

The small steps **you** take at work to save energy can make a **big** difference.



Ongoing Events

Note: **Green** indicates a JSC internal 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

Nassau Bay Farmer's Market – every Wednesday

Enjoy organic produce and other products just across the street!

3:00 – 6:00PM

Upper Bay Rd., Nassau Bay, TX 77058

POC: Ann Rogers

Nature Nurture Series – every first Saturday

Free admission and family friendly! This upcoming class is on Camping!

10:00AM – 12:00PM

Baytown Nature Center

Bayou Bikers – every first Sunday

Free admission, just bring your own bike! 25 – 40 mile bike rides around beautiful Houston.

Starts at 8:00AM

Market Square

Sheldon Lake Prairie Restoration – every Tuesday

Free to participate! Come enjoy nature and help restore the prairie.

11:00AM – 1:00PM

Sheldon Lake State Park, 14140 Garrett Road, Houston, TX 77044

Houston Urban Gardeners – every 2nd Monday

Come to these meetings to learn how grow your own food and find fresh, local produce.

Starts at 6:30PM

Multiservice Center, 1475 W. Gray, Houston

Upcoming Events

Note: Green indicates a JSC internal event

September 17th- BCO Farmers Market Bike Ride

Enjoy cruising around Houston and exploring the markets to shop for fresh produce, sauces, jams, and bread. Bring your bike, or pick one up from a B-cycle kiosk, and meander your way around the city.

8:00AM-12:00PM

Meet at Onion Creek, 3106 White Oak Dr, Houston, TX 77007

September 17th – Invasive Fish Round-Up and Carp-a-Thon

Join us for a fun day of fishing at the Waterhole in the first annual invasive fish roundup. Help improve water quality in our bayous! \$20/person. Kids 12 and under and senior citizens are free.

8:00AM – 4:00PM

Willow Waterhole Park

September 24th - Free Family Fun Day at Willow Waterhole

Examine several water samples and learn about pond life! If the day is rainy or cloudy, the program will still go on with an indoor presentation

10:00AM-2:00PM

The Platou Center

September 24th - Niches River Adventure at Riverfront Park in Beaumont

Enjoy a leisurely trip onboard the Ivory Bill on the ecologically diverse Niches River and into Big Thicket National Preserve. Reservations are required. Call 409-651-5326

10:00 AM-12:00PM

Riverfront Park in Beaumont

Our PHEVorite Kind of Car

Making Moves to a Greener Fleet



The second Plug-in Hybrid Electric Vehicle, or PHEV, has arrived at JSC! It is a Ford Fusion Energi and is plugged in at the Building 20 parking lot for use by a JSC contractor.

In Other Good News: Featured in the JPL climate.nasa.gov/blog/ is your very own Joel Walker representing Sustainability.

Initiatives to reduce energy usage were highlighted along with the importance of taking steps to mitigate sea level rise.



#nasagoesgreen Competition



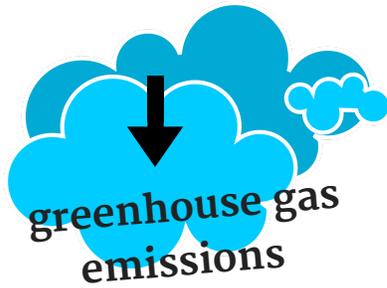
This Month's Winner Is...

Alyssa Schubert @alschub,
Instagram

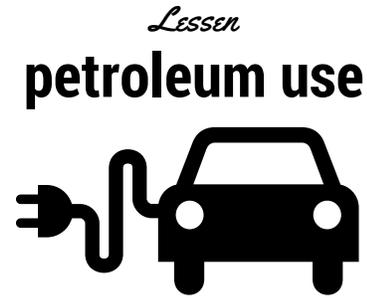
"#nasagoesgreen with two
#treehugger interns"

Sustainability Goals

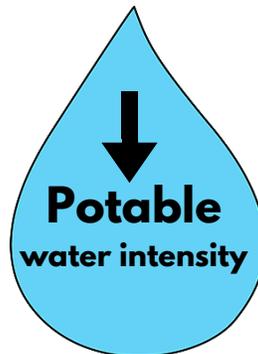
JSC is working towards reaching all ten goals set by Executive Order 13693.



Lower building energy consumption



Divert waste from
← landfills



Evaluate climate change

RISKS

Work with energy-
efficient equipment



*Use renewable
energy*



Award investment value to energy performance contracts