



How Green is JSC?

From recycling to retrofitting to reconstruction, the Johnson Space Center has become one lean, green, environmentally friendly machine. So much so that it could make other NASA centers, well, green with envy.

It's a concerted effort that was launched just five years ago but touches every corner of the JSC campus. From the Attwater's Prairie Chicken Captive Breeding Program at the west end to wind and solar power generators at the Child Care Center in the east, JSC has adopted environmental programs that serve as outstanding examples of conservation to the entire Gulf Coast.



The Attwater's Prairie Chicken Captive Breeding Program found a new home at JSC for this endangered species when its Houston Zoo location became non-optimal for the birds.

Recycling And Pollution Prevention

In 2007, JSC recycled more than 19 million pounds of waste, that included approximately a million pounds of paper products, 2 million pounds of concrete and 9 million pounds of asphalt. Batteries, aluminum cans and mercury fluorescent lamps were also recycled, freeing up valuable space in our limited landfills.



Cardboard recycling at JSC.

To help reduce pollution, alternative fuels are being used to power dozens of government vehicles and in boilers that generate hot water for the center. Ozone-friendly fire extinguishers and air conditioning systems are now in place as well.

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Renewable Energy And Conservation

Harnessing the power of the Sun is not new to NASA, and the same technology that is used to convert sunlight to electricity for the International Space Station is used onsite. Take a closer look around JSC and you will see solar panels that



The JSC Child Care Center is a multi-platform, renewable energy system capable of generating over 50,000 kilowatt hours of energy per year.

generate electricity for buildings, parking lots and crosswalks, and even the JSC Emergency Warning System. The knowledge gained is being used to help us better understand our energy options for future lunar exploration.

Sustainable Buildings

A sustainable building is a green building. Safeguarding water, using renewable energy and improving indoor air quality are all signs of an environmentally friendly building. These are just a few of the standards JSC follows as a participant in the Leadership in Energy and Environmental Design (LEED) Program. Retrofitting and reconstructing buildings across the center to fit these new LEED standards has already begun with more facilities targeted for future integration into the program.



Building 2 North is currently being retrofitted to meet new Leadership in Energy and Environmental Design (LEED) standards.

To learn more about JSC's green initiatives and how you can help visit <http://www6.jsc.nasa.gov/ja/ja13/index.cfm>

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