

Promoting Solutions for a Clean & Healthy World



Dream In Green – Professional Training Day
Jesse Rittenhouse 9/25/14

Garbage Is Covering The World

- * Each Person in the U.S. produces 4.38 pounds per day of trash...

- * U.S. EPA 2012
http://www.epa.gov/epawaste/nonhaz/municipal/pubs/2012_msw_fs.pdf





... that Equals 251
Million Tons of Trash in
One Year.

Enough Trash to Fill Up
the New Marlin's
Stadium 48,685 Times.



Sea Education Association
had over 7,000 students
over 22 years collect
plastic in Atlantic Ocean...

Estimated 520,000 bits of
plastic per square mile in
North Atlantic Garbage
Patch

National Geographic News 3/2/10
<http://news.nationalgeographic.com/news/2010/03/100302-new-ocean-trash-garbage-patch/>

HOW LONG UNTIL IT'S GONE?

Estimated decomposition rates of common marine debris items



Estimated individual item timelines depend on product composition and environmental conditions.

Source: NOAA National Oceanic and Atmospheric Administration, US / Woods Hole Sea Grant, US
Graphics: Oliver Loh / Museum für Gestaltung Zürich, Zürich

Solution: The 8 R's of Sustainability

- * **R**ethink – Do I need it?
- * **R**efuse – Unnecessary Packaging
- * **R**euse – Does it Still Have Life?
- * **R**epair – A Little Chicken Wire & Duct Tape!
- * **R**epurpose – Door to Table!
- * **R**eturn – Manufacturers Reduce Raw Materials
- * **R**educe – Limit “Stuff”
- * **R**ecycle – Last Line of Defense

Energy And Pollution

- * Coal Energy Makes up 39% of U.S. Energy Consumption



- * Natural Gas Makes up 27% of U.S. Energy Consumption



- * U.S. EIA, 6/14/13
<http://www.eia.gov/tools/faqs/faq.cfm?id=427&t=3>

Coal & Natural Gas Environmental Impacts:



Air Pollution, Deplete
Water Resources,
Water Pollution
Discharge, Toxic Waste,
Soil Pollution, and Land
Use.

EPA Website:

<http://www.epa.gov/cleanenergy/energy-and-you/affect/coal.html>

<http://www.epa.gov/cleanenergy/energy-and-you/affect/natural-gas.html>

Solution: Solar Energy



- * The Sunshine State is Ranked 3rd in U.S. for Amount of Sunny Days
- * On June 9, 2014 Germany's solar power production peaked at 23.1 GW, which equaled 50.6 percent of total electricity demand. Germany has less sunny days than Florida.



When there's a huge
solar energy spill, it's just
called a '**nice day**'

Recycling Energy Forum (REF)

What We Believe

Our mission is to make **purposeful connections** for Organizations that **create solutions for a clean and healthy world**. We do this by providing a digital online platform, producing exhibitions and conferences, developing marketing solutions, and consulting services worldwide.

REF Expo & Education, April 24, 2014

FIU Kovens Conference Center



- * Educational Conference & Business Expo on Recycling, Alternative Energy and Clean Technology
- * Fun, Educational Activities for Children
- * Engaging Discussions
- * Opportunities to Improve School Environments
- * Supports Dream In Green!

Thank You!



RECYCLING ENERGY FORUM