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Waste Management, the City of Manhattan Beach, the Chamber of Commerce, and the Downtown Manhattan Beach Business Association have partnered up to certify and recognize businesses that promote sustainability in their business practices.

Does your business incorporate sustainable practices into your day-to-day operations? Do you reduce waste and promote recycling? Do you reduce energy and water consumption and minimize your pollution contributions? Do you purchase products that are less harmful to human health and the environment? Do you educate customers and employees about green business practices? Would you like to learn how your company can do more?

**Sign up for Green Certification Today!**

Your Manhattan Beach business can apply for certification by visiting [www.greenbusinessca.org](http://www.greenbusinessca.org) and filling out the application. A Waste Management representative will contact you to follow up on the application and discuss the certification process. You can also contact Waste Management directly at [askgreen@wm.com](mailto:askgreen@wm.com).

**Incentives for Certified Green Businesses**

When your business becomes certified, you will not only help the environment and preserve valuable resources by participating, but you will also enjoy other benefits:

- A healthier workplace
- Significant cost savings and access to financial incentives and rebates
- A “green seal” to place on your door or window
- Invitation to an annual awards ceremony hosted by Waste Management and the City
- Recognition on Waste Management’s local website: [manhattanbeach.wm.com](http://manhattanbeach.wm.com)

A Newsletter of



**City of Manhattan Beach**

Solid Waste Hotline  
**310-802-5300**  
[www.citymb.info](http://www.citymb.info)

Waste Management  
**310-830-7100**  
[manhattanbeach.wm.com](http://manhattanbeach.wm.com)

**Summer 2013**

**Visit Manhattan Beach’s Certified Green Businesses!**

**Bella Beach**  
**Body in Balance Day Spa**  
**Dealer.com**  
**Le Pain Quotidien**  
**LOOK! Optometry**  
**Manhattan Bread and Bagel**  
**Manhattan Towers**  
**Pages: A Book Store**  
**Rock ’n Fish**  
**South Bay Green Design**  
**The Green Yogi**

# Mandatory commercial recycling — the first year

Business  
Corner

On July 1, 2012, recycling became mandatory across California for multi-family complexes with five or more units and businesses which produce more than 4 cubic yards of waste per week. Mandatory commercial recycling was the result of Assembly Bill 341 (AB341), which became law on October 6, 2011. The goal of this legislation is to greatly reduce the amount of waste entering our landfills and, thus, reduce greenhouse gas emissions. Specifically, AB341 sets forth a 75% waste diversion goal for California by 2020.

In the past, recycling and composting efforts have focused primarily on residential waste. The result of these efforts has been that California diverts about 58% of its total waste from landfills. However, at the time this legislation was passed, California was still sending more than 40 million tons of trash to landfills each year, more than 70% of which was coming from businesses and multi-family complexes.

Every day that these materials go to landfills represents a wasted opportunity to conserve our natural resources, reduce greenhouse gas emissions, and create local green jobs. In order to move California to 75%, the commercial sector must become more involved, recycling more of the paper, containers, and other items already being recycled by households, as well as other materials unique to businesses.

Later this year, the California Department of Resources Recycling and Recovery (CalRecycle) will begin to receive reports on implementation of AB341. How is recycling going at your business or multi-family complex? If you need assistance, contact Waste Management at 310-830-7100.

You can learn more about mandatory commercial recycling at [www.calrecycle.ca.gov/Recycle/Commercial](http://www.calrecycle.ca.gov/Recycle/Commercial).



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## Local Manhattan Beach Businesses Earn Green Award From Waste Management

On Saturday, April 29, Waste Management of Southern California joined the City of Manhattan Beach at the 21st Annual Earth Day Celebration and Concert at Polliwog Park. Together, Waste Management and the City honored six businesses as a part of Waste Management's local Green Business Certification Program. Le Pain Quotidien, the Green Yogi, Manhattan Towers, LOOK! Optometry, Bella Beach, and Manhattan Bread and Bagel were recognized for their sustainability efforts.

"The businesses honored have incorporated optimal sustainability practices by reducing waste, conserving water, and reducing energy usage," said Janine Hamner of Waste Management. "They are the leaders in making Manhattan Beach a greater and greener place to live, play, shop, and work."



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Sona Kalapura, City of Manhattan Beach; Janine Hamner, Waste Management; Rick Armstrong, Le Pain Quotidien; Mary Strong, the Green Yogi; Cora James, Manhattan Towers; Les Silverman, LOOK! Optometry; Tony D'Errico, Bella Beach; Michael Keegan, Manhattan Bread and Bagel

# At Your Door Special Collection

Waste Management makes it easy for Manhattan Beach residents to dispose of and recycle home-generated waste – including household hazardous waste – safely, easily, and responsibly.

Our At Your Door Special Collection provides you with unlimited front-porch service to remove the difficult, sometimes hazardous, and hard-to-recycle items almost every household accumulates.

If not handled properly, hazardous waste materials may be dangerous to people, pets, and the environment. Thanks to our vast infrastructure and partnerships, we are able to recycle as much as 75% of all items collected, reclaiming valuable resources for the benefit of your community and the environment.

A variety of hazardous materials are accepted, including lawn and garden chemicals, paint, automotive fluids and batteries, cleaning products and solvents, pool chemicals, poisons, household batteries, fluorescent tubes and bulbs, televisions, computers, and other household electronics.

## How It Works

1. Call 1-800-449-7587 Monday–Friday, 5 a.m.–5 p.m. or submit a service request at [www.wmatyourdoor.com](http://www.wmatyourdoor.com) to schedule a pickup date. It is not necessary for you to be at home at the time of pickup. You will be mailed a collection kit for the waste. The kit includes a bag, labels, simple instructions, and a zip tie for closing the bag.
2. Collect your household's hazardous waste in the bag and place it on the front porch or near the garage. Residents living in a multi-family complex can designate a safe place at their building where the waste can be collected (never at the curb).
3. On the established pickup date, a Waste Management At Your Door technician will arrive, remove the waste, and safely contain it in our specially designed trucks. Once the waste is collected, Waste Management technicians work to responsibly manage the waste and recycle as much as possible.



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## What about medications?

At Your Door Special Collection does not accept drugs of any kind, including over-the-counter medicines or other pharmaceutical products. Please contact Waste Management Customer Service at 310-830-7100 to receive a postage pre-paid pharmaceutical mail-back bag for safe disposal of all non-controlled pharmaceuticals.

All types of medication, including controlled substances, are accepted in the secure drop box in the Manhattan Beach Police Department lobby, located at 420 15th Street. Medications must be in their original containers with the name of the medicine visible. All patient information should be removed or obscured. Please be sure that containers are sealed.



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# Nature's way of recycling

Composting turns food and yard waste into a valuable and free organic fertilizer for your yard and garden. Learn simple composting techniques at one of the city's free composting classes at the Manhattan Beach Botanical Garden, which is located in Polliwog Park on Peck Avenue, just north of Manhattan Beach Boulevard. An upcoming class will be held at 10 a.m. on Saturday, October 12. This is a one-hour class and is for all composters, from beginners through experts. At the class, Manhattan Beach residents will have the opportunity to purchase compost and worm bins at a discount. No registration is necessary. Everyone is welcome! For details, visit <http://manhattanbeach.wm.com>.

If you can't make it to a class, contact Waste Management directly at 310-830-7100 to purchase a discounted compost or worm bin. Compost bins (a \$99 value) and worm bins (a \$129 value) are sold for \$35 each.



## Bookmark our site!

At Waste Management's local website, <http://manhattanbeach.wm.com>, you'll find all sorts of useful information—program updates, collection schedules, holiday information, service descriptions, and more. Bookmark the site so that you have it available at the tap of your finger.

You can also sign up to be on our email list. Don't miss out on any great programs in Manhattan Beach. Log on and sign up today!

# You are invited to create jobs

## Not by spending more, but by recycling more!

You may know that recycling conserves and reuses valuable resources for creating new consumer products. You might also be aware that the use of materials you recycle lowers energy costs for manufacturers when compared to using raw materials. And, it may be obvious that your recycling efforts reduce the amount of waste destined for the landfill.

Did you also know that recycling creates jobs? Recycling creates new businesses that haul, process, and broker recovered materials, as well as companies that manufacture and distribute products made with these recycled materials. Hundreds of thousands of Americans are employed by the recycling industry itself. Some drive, repair, and maintain the collection trucks. Others sort the material or maintain equipment at material recovery facilities. In addition, facility managers, route managers, and sales representatives are directly employed by the recycling industry. Once you include the deconstruction of buildings, recycled material processing, composting, repair and reuse businesses, and the manufacture of new products with recycled content,

these industries provide more than 1.1 million jobs in the U.S. That is comparable in size to the U.S. auto manufacturing and machinery manufacturing industries combined. Recycling industries generate an annual payroll of nearly \$37 billion and gross over \$236 billion in annual revenue.

So how can you create jobs? It's easy!

### Capture all of your recyclables

At home, you can recycle many household materials, including paper, plastic, metal, and glass. For examples, refer to the list on this page.

Even when you're on the go, you can recycle. Keep a bag or box in your vehicle to collect beverage bottles, waste papers, and other recyclable items you generate throughout your day. When you return home, you can place the items into your recycling cart.

### Prepare your recyclables correctly

Empty and rinse your containers, making sure to remove all food and liquid residue. Make sure that paper products are clean and dry. Flatten boxes.

Do not mix trash or other items in your recycling. When trash or green waste go into the blue recycling cart, they are considered contaminants. These contaminants will require extra sorting and may result in the rejection of an entire load of recyclables.



## Recycling

Recyclable materials can be broken down into four main categories: paper, plastic, metal, and glass. Examples of items that can be recycled include:

- Plastic Bottles
- Aluminum Cans
- Glass Bottles and Jars
- All Clean Paper
- All Envelopes
- Manila Folders and File Folders
- Magazines and Newspaper Catalogs
- Glossy Paper
- Cardstock
- Cereal and Cracker Boxes
- Telephone Books
- Junk Mail
- Steel Cans
- Tin Cans
- Soft Drink/Beer Cartons ("fridge packs")
- Plastic Tubs and Containers
- Clean Aluminum Foil
- Clean Pizza Boxes
- Paper Coffee Cups
- Cardboard
- Clean Lunch Bags and Baggies
- Clean Plastic Wrap
- Plastic Hangers
- Metal Hangers
- Milk and Juice Cartons
- Plastic Bags
- Polystyrene

**NO hazardous waste!**



# Going green at the game

Most recycling efforts and sustainability strategies focus on the home or workplace. However, many people consume and produce waste while on the go. The U.S. Environmental Protection Agency estimates that 30 to 40% of our waste is generated outside the home. In heavily used public spaces and at large events, there are many opportunities to recover valuable resources that may have otherwise gone to landfills.

## When Everyone at the Stadium Competes

The Game Day Challenge is a friendly, annual competition sponsored by the College and University Recycling Coalition, RecycleMania, and Keep America Beautiful. It is also supported by EPA's WasteWise program. In the fall, competing colleges and universities implement waste reduction programs during home football games. Schools track and report waste reduction and disposal data that is used to rank the schools. These were the 2012 champions:

- Waste Minimization: Earlham College
- Diversion Rate: Ohio State University
- Greenhouse Gas Reduction: Franklin College
- Recycling: Franklin College
- Organics Reduction: University of Nevada–Las Vegas

To learn more about the Game Day Challenge, visit <http://gamedaychallenge.org>.

## University of Colorado's Ralphie Is Making Strides

CU-Boulder won three of the five categories during the 2009 Game Day Challenge. In 2010, CU's "Ralphie's Green Stampede" initiative diverted 71% of the 77,000 pounds of waste generated at the home football games. The program aims to move the campus toward a zero-waste football stadium by 2020. This will require recycling or composting at least 90% of all materials by that date. Nearly all food and beverage services at Folsom Field have already converted to recyclable or compostable materials and containers. And, most packaging within the stadium is refillable, recyclable, or compostable. There are no public trash containers—only recycling and compost containers—throughout the public areas of Folsom Field.

## Seventh Inning Stretch to Sustainability

In 2005, the Seattle Mariners recycled 12% of the waste at their home games. By 2012, that figure had increased to 85%. Like the CU-Boulder Buffaloes, the Mariners' end game is zero waste. That will require a diversion rate of 90% or more. In order to get there, the team knew composting food waste would have to be a big part of their program. Ten "Sustainable Saturday" events were held during the 2012 season. At 16 zero waste stations, volunteers helped fans sort their recyclables and compostables into the correct containers. Promotions to increase awareness of and participation in composting programs were part of the program. During Earth Day weekend 2012, fans were given food composting kits, which included a countertop container from EcoSafe Zero Waste for kitchen scraps. Other promotions included Kids Compost Trivia, sponsored by BASF, in which fans competed for the chance to win an Amazon Kindle Fire.

## A Little Positive Feedback Goes a Long Way

On one football Saturday, University of Georgia students tested simple improvements to the school's standard recycling bin, with impressive results. The bin had red LED lights which changed to green when someone dropped an item into the bin. In addition, there was a numeric display which increased its count by one with each deposit. The bin was placed in the UGA student union in the same spot where a regular recycling bin had been on a previous game day. During a control game day, deposits were monitored from three hours before until one hour after kickoff. The regular bin collected six items during that time. On the test Saturday, even though attendance at the game was lower, the positive feedback created a buzz in the crowd with people bringing friends over to take a look. At the end of the four-hour period, 19 items had been placed in the bin for recycling.

After further testing, the students developed a "SmartBin," which incorporates a streamlined version of the technology and the ability to monitor the container remotely. Bins can be monitored so that staff knows whether the container has been tampered with and when it needs to be emptied. Not only that, when an item is recycled, the new bin gives a big green smile in LED lights.

# FAST FACTS

## ON THE MOVE

According to the U.S. Census Bureau, approximately 12% of Americans, about 36.5 million people, moved last year. Moving can generate a lot of waste—from packing paper and boxes to unwanted furniture. If you are planning a move, consider renting boxes or purchasing used boxes. Donate or sell unwanted household goods, clothing, old toys, furniture, and more. And don't forget to recycle your paper and boxes. For more ideas, search for "green moving tips" online.



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- Ron Chapple Studios

Photo Courtesy of Ocean Conservancy | Samantha Reinders



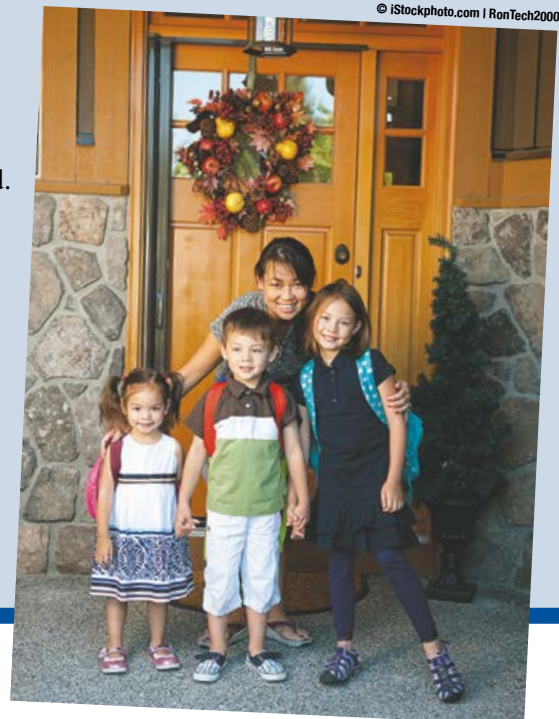
## GOING COASTAL

During the 2012 International Coastal Cleanup, 561,633 volunteers cleared 10,149,988 pounds of trash from 17,719 miles of beaches. The finds included 40 lottery tickets, 117 mattresses, 236 toothbrushes, 2,492 sports balls, and 4,159 candles. The top four items, numbering above a million each, were cigarette butts, food wrappers and containers, plastic bottles, and plastic bags. Learn more about protecting our waterways and oceans at [www.oceanconservancy.org](http://www.oceanconservancy.org).

## SCHOOL SPENDING SPREE

Back-to-school shopping season is around the corner. A survey in 2012 by [Parenting.com](http://Parenting.com) and Women & Co. found that parents spent an average of \$131 on clothing and \$48 on school supplies per child. Surveys by the National Retail Federation and American Express suggest that those numbers are low because they fail to account for technology purchases, such as laptops, tablets, and cell phones. Those surveys estimated total family spending at \$688 to \$800 on average. You can lower these costs and still get your kids what they need. Use leftover supplies from last year. Reuse last year's backpack. Resist the urge to upgrade working electronics. Shop for gently used clothes at garage sales or secondhand stores. And, remember, when you do need something new, look for recycled-content products, such as paper, notebooks, folders, and T-shirts.

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# To shred or not to shred

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Last year, 12.6 million Americans were victims of identity fraud, where personal information was misused by a criminal to steal monies—either from individuals or from banks, stores, and other businesses. To protect yourself from identity fraud, promptly remove mail from your mailbox and take immediate action on all security breach notices from businesses by changing logins and passwords. In addition, keep your private information securely stored in your home—12% of identity fraud cases involve “familiar fraud” by someone whom the victim knows. Switching to less frequent or online statements can also reduce your risk.

Another way to protect yourself from identity fraud is to shred documents with confidential information. Generally, if a document contains a Social Security Number, financial account number, medical or legal information, a birth date, or a signature, you should shred it. In addition, shred pre-approved credit offers, convenience checks sent by your credit card provider, old pay stubs, canceled checks, and documents containing passwords and PINs. Prescription medication labels should also be removed and destroyed or blacked out with permanent marker.

To learn more about protecting yourself, visit [www.consumer.ftc.gov](http://www.consumer.ftc.gov).

## I packed my suitcase with...

On long car trips, your family may have played the Suitcase Game. The game begins, “I packed my suitcase with...,” and each person adds an item—generally the sillier, the better. The round ends when someone can’t remember all of the items in order. This game passes the time and creates fond memories of long drives.

If you are traveling this summer, it’s a good idea to consider packing a greener suitcase. Start with two goals: to reduce waste and limit weight, both of which will save energy, trim emissions, and simplify your trip. Checking the weather forecast at your destination, planning ahead, and packing from a list will all help you achieve these goals.

Here are some simple ideas to get you started:

- Tuck a travel mug or refillable water bottle into your bag.
- Pack snacks, like nuts, dried fruit, and granola bars, in washable containers. For a road trip, load a small cooler or insulated lunch bag with fruits and vegetables.
- Fold up a reusable shopping bag (or two) and slip it into a side pocket.
- Fill your own travel-sized toiletry bottles—that way, you’ll have your favorite shampoo every time!
- Choose clothes that you can mix and match. Pick two pairs of shoes that go with everything. Remember a light jacket or sweater.
- Multi-task with your tablet or smartphone. Download books, magazines, music, and travel guides. Update your favorite map app. And don’t forget your charger!

## QUOTES REQUOTED



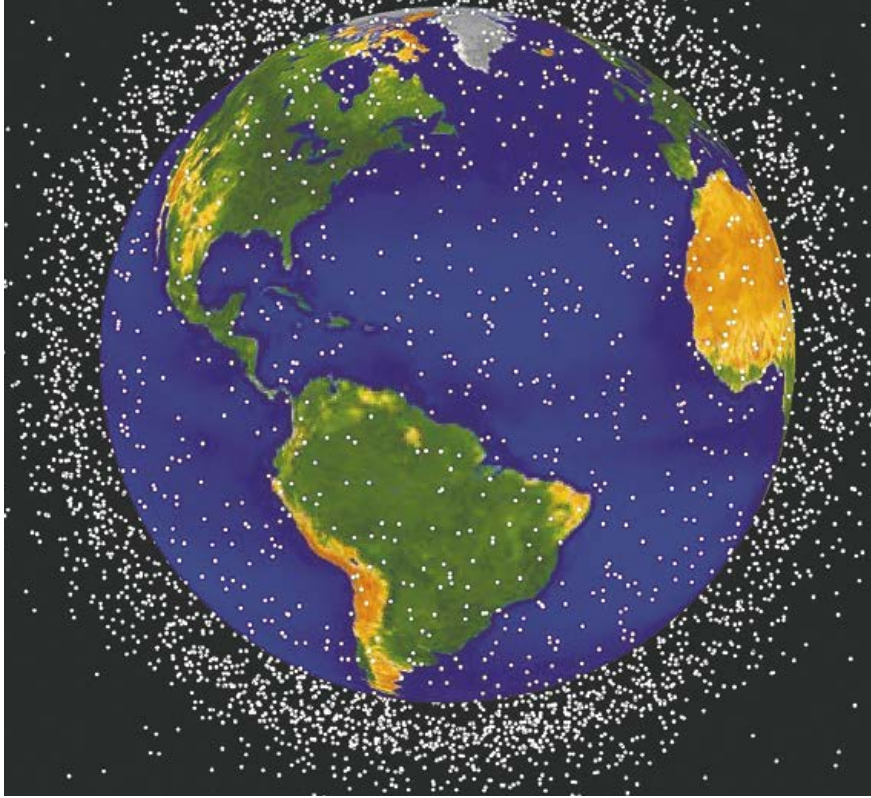
Photo Courtesy of Library of Congress | George Grantham Bain Collection

*What, after all, has maintained the human race on this old globe despite all the calamities of nature and all the tragic failings of mankind, if not faith in new possibilities and courage to advocate them.*

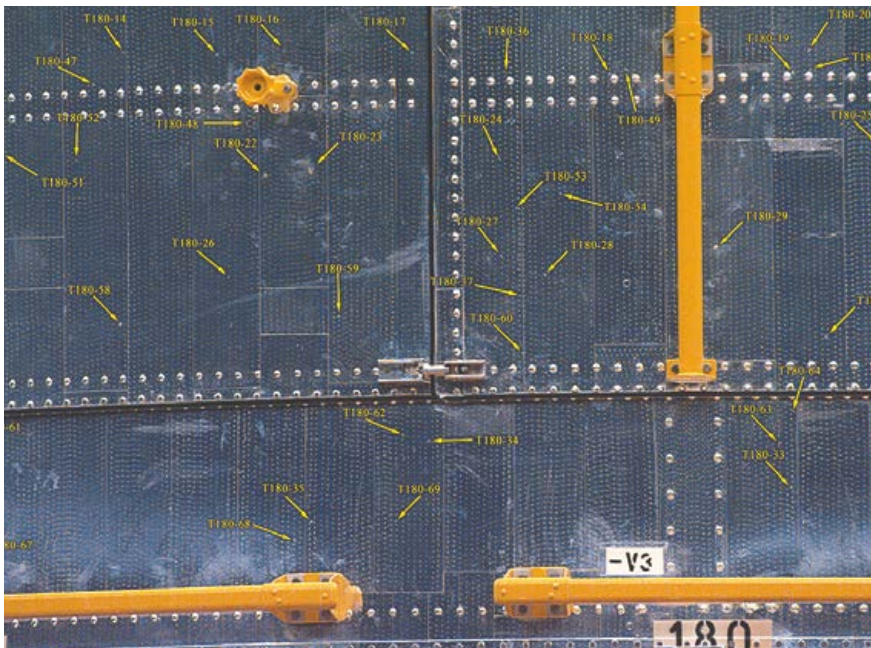
Jane Addams, 1860-1935  
Co-founder of Hull House  
Nobel Peace Prize Winner



# Waste in space



This image illustrates items in Earth's orbit that are currently being tracked, about 95% of which are orbital debris and not functional satellites.



This part was removed from the Hubble Space Telescope during in-space repairs. The yellow arrows show the damage from many orbital debris impacts.

Our exploration of space has led to insights about our planet and universe, scientific experimentation and discovery, and a satellite communications system that interconnects our global community. But sometimes, what goes up doesn't come down. As it turns out, the area of space known as "low Earth orbit" is congested with debris, much of it from explosions and collisions, some intentionally released during launch and mission operations, and millions of tiny objects, such as paint flecks, that result from heat stress on spacecraft. NASA tracks this debris, which includes more than 21,000 pieces larger than about 4" in diameter and millions of smaller pieces.

Even seemingly small debris can cause significant damage to spacecraft and satellites because all collisions in space are high-speed. By studying damaged parts, NASA's Orbital Debris Program is able to help design systems to protect new spacecraft and satellites from debris impact. The program also works to minimize the amount of future debris through improved design and materials. To learn more about space debris, visit <http://orbitaldebris.jsc.nasa.gov>.

*Space Junk 3D*, a short documentary, tells the story of the ring of debris orbiting Earth—and explains how that debris could affect future space exploration. The film, which continues to play at museums, planetariums, and theaters around the country, will be available on DVD in September. To learn more about this film, visit [www.spacejunk3d.com](http://www.spacejunk3d.com).



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