



Our mission: Sustainability, efficiency, and conservation: Planting seeds for a greener tomorrow.

A publication for the Airport Community of Orlando International & Orlando Executive Airports



Mark Your Calendar

2015

International Year of Soils

December

- Dec 3 World Conservation Day
- Dec 4 World Wildlife Conservation Day
- Dec 5 World Soil Day
- Dec 5 Int'l Volunteer Day
- Dec 10 Human Rights Day
- Dec 11 Int'l Mountain Day
- Dec 14 Nat'l Energy Conservation Day
- Dec 15 Cat Herder's Day

January

Get Organized Month

- Jan 1 Global Family Day
- Jan 2 55 mph Speed Limit Day
- Jan 8 Earth Rotation Day
- Jan 10 Cut Your Energy Costs Day
- Jan 11 Clean Off Your Desk Day

February

- Feb 2 World Wetlands Day
- Feb 8 Clean Out Your Computer Day
- Feb 16 Innovation Day
- Feb 17 Random Acts of Kindness Day
- Feb 22 World Thinking Day
- Feb 27 Int'l Polar Bear Day
- Feb 29 Leap Year Day

Green Team Kicks Off Another Year with Focus on Sustainability

When we mention the word "sustainability," many people assume that it means "recycling." Some might add that sustainability is also about reducing water consumption and using renewable energy sources. And they would be right! And yet, sustainability is about even more than all of that. Sustainability is about "economic growth, ecological balance, and social progress."¹ Many might be familiar with the term coined by John Elkington in the mid-1990s to measure performance in corporate America, known as The Triple Bottom Line. Elkington called on corporations to look beyond measuring success only in terms of the financial bottom line, but also in the ability to stimulate economic growth, protect natural resources and be good corporate citizens (People/ Planet/ Profit).

As companies face ever-increasing scrutiny, their success is in part determined by how they address People/ Planet/Profit in their growth models. Consumers are increasingly concerned about ethical consumption, and investors today favor stocks of companies that are good global citizens. A company that balances economic interests with environmental initiatives (greenhouse gas emissions, water consumption, amount of waste to landfill) and social responsibility (employee health and wellness, charitable contributions, community involvement), will achieve a definite and measurable economic payoff.

The airport industry has adopted a fourth pillar, which is operational efficiency, but in the end, the goal of sustainability is simply to ensure that we continue to have healthy surroundings in which to live, work and play.

¹ <http://www.inc.com/maureen-kline/what-sustainability-means-and-why-you-should-care.html> <http://www.inc.com/maureen-kline/what-sustainability-means-and-why-you-should-care.html> (2015, February 26).

KUDOS to GOAA Green Team

Judith-Ann Jarrette, Manager of Noise Abatement & Sustainability, provided a sustainability update to the Board members at December's Board Meeting. She said, "The Chairman and Board members were very impressed with the accomplishments of our dedicated team. Mayor Dyer and Mayor Jacobs applauded your efforts, with Mayor Dyer adding that the type of talent the City is attracting is very interested in living in a community that values sustainability, and the Airport is a big part of that. The Green Team has been a strong voice for GOAA sustainability, and Chairman Kruppenbacher recommended commendations for each GOAA Green Team member."



Phillip Brown, Executive Director; Judith-Ann Jarrette, GOAA; Julie Bond, Center for Urban Transportation Research; Reginald Mells, reThink Your Commute

GOAA Receives Two Sustainability Awards

Denise Schneider, Assistant Director of Purchasing, accepted the FDEP Recycling Recognition Program Honor on behalf of the GOAA Purchasing Department for exceeding the 50% recycling goal set by FDEP. GOAA was presented with the Best Workplaces for Commuters Award presented by Ms. Julie Bond of the Center for Urban Transportation Research and Green Team member Reginald Mells of reThink Your Commute in recognition of GOAA's efforts to reduce vehicle emissions.



Jeff Prather, Director of Central District FDEP with Denise Schneider and Judith-Ann Jarrette, GOAA

Congratulations to all of the Green Team for your hard work!

Editor of "The Dirt" Presented Award

Carla Girtman was recognized by Mr. Brown for her outstanding work as Editor of "The Dirt." The Dirt has been in sustainable e-circulation since August 2014, and is the go-to source for GOAA Green information and happenings at MCO, ORL, and our airport community. Bravo Zulu to Carla for entertaining, informing, and planting seeds for a greener tomorrow!



Green Team 2015 Year End Review



This year GOAA produced its first annual Sustainability Management Report (2014). The report illustrates the efforts of our airport community to reduce operational waste, mitigate environmental impact and support our community through leadership in sustainability. The report also outlines our progress towards meeting the targeted goals established within GOAA's Sustainability Management Plan.

The Sustainability Action Plan has four main areas of focus; Energy, Water, Waste, and Environment. It is from these 4 areas that our Sustainability Management Plan's major goals were identified, along with the strategies needed to achieve them. The Sustainability Management Plan gives us a road map to a sustainable airport environment.



- GOAL 1: REDUCE SOLID WASTE TO THE LANDFILL**
- GOAL 2: REDUCE ENERGY USE**
- GOAL 3: INCREASE WATER CONSERVATION**
- GOAL 4: INTEGRATE SUSTAINABLE PRACTICES INTO BUSINESS PROCEDURES AND WRITTEN AGREEMENTS**
- GOAL 5: INCORPORATE SUSTAINABLE PLANNING, DESIGN, & CONSTRUCTION PRACTICES INTO ALL AIRPORT PROJECTS**
- GOAL 6: MINIMIZE ENVIRONMENTAL IMPACTS**
- GOAL 7: REDUCE SINGLE OCCUPANCY COMMUTING AND INCREASE ALTERNATIVE TRANSPORTATION**
- GOAL 8: CONTINUE BEING A COMMUNITY LEADER/PARTNER IN SUSTAINABILITY**

- ✈ Energy in part from lighting upgrades,
- ✈ Water in part from more efficient fixtures
- ✈ APM/ITF design is complete and incorporates LEEDv4 certification requirements
- ✈ Construction is underway of four magnetic bearing chillers for Airside 4; based on a life cycle cost analysis, the new chillers will reduce operating costs associated with energy usage
- ✈ Restroom renovation project underway at Airside 4 includes: high efficiency lighting, measures for improved air quality, automated towel and soap dispensers, and low and dual flow water closets
- ✈ APM/ITF project includes a Clean Construction program which reduces particulate emissions during the construction process
- ✈ Protect our waterways, minimize turbidity in ponds and streams
- ✈ Relocated 48 turtles this year; wildlife management plan approved

2015 Sustainable Speaker Series

- Jan reThink Your Commute
- Feb Florida Solar Energy Center
- Mar Office Depot
- Apr Earth Day—no speaker
- May Home Energy Efficiency SELF Workshop
- Jun Whole Foods
- Sep NASA Kennedy Space Center
- Oct Starnes Consulting
- Nov Green Team Appreciation Luncheon

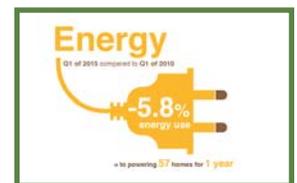
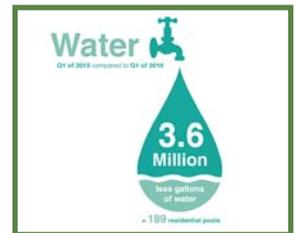


Waste Audits

New Recycle Bins

Diverted from Landfill In 2015

	GOAA		Signature FLIGHT SUPPORT A BSA Aviation company
Tires	12 tons	Aluminum	395 lbs.
Wood Pallets	257 tons	Plastic	422 lbs.
Metal	67 tons	Paper	1.2 tons
Carpet	7 tons	Non-hazardous waste	30 tons
Cardboard	461 tons		PAPER
Paper	14 tons		DELTA SKY CLUB
Uniforms	1 ton		16 TONS 2.5 TONS

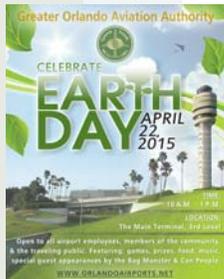


Sustainability-focused language and practices shall be incorporated into all operational procedures and bid requests. GOAA's leadership continues to identify initiatives to advance this goal through the development of sustainable purchasing procedures, sustainable design guidelines, and sustainable operating practices.

"We are proud of the strong sense of environmental responsibility displayed by our strategic partners here at the airport."
Tracy Conner Harris, Manager of Airport Concessions



"We purchase 'green and recycled' whenever we can and also require many of our contractors to use Green Seal approved cleaning products."
Denise Schneider, Assistant Director of Purchasing and Materials Control and HQP Manager of the Year



GOAA understands the impact that ground transportation has on the environment, with over 17,000 employees from hundreds of companies working in support of the Orlando aviation industry. As a result, it is taking steps to reduce the amount of emissions from ground transportation associated with the airport. Efforts include: operating low emission fleet vehicles, supporting public and alternative transportation usage, through subsidized bus passes, EV charging stations, and preferred parking spots for carpool vehicles.





MCO Celebrates "America Recycles Day"

To all,

Thanks to you, America Recycles Day 2015 was a rousing success!

Whether you were in it from the early planning stages right through to the end, or just present on the day itself, it was a GREEN TEAM effort.

Each of you played a vital role in sending a positive message to our MCO community and the travelling public.

Please accept my heartfelt thanks,

Judith-Ann

Approximate attendance/
public participation (based
on stickers handed out):

823



Total number of people who
signed the ARD pledge:

51



Total weights of recyclable
items collected at ARD:

Batteries	46 lbs
Computer items	41 lbs
Glasses	10 lbs





MCO Celebrates "America Recycles Day"



Thank You to our Sponsors!



American Textile Recycling Services

Disney's Magical Express

ecoPreserve



Flagship Airport Services

HMS Host

Hyatt Regency

Keep Orlando Beautiful, Inc.

MegaMan Metals

Republic Services

Southwest Airlines

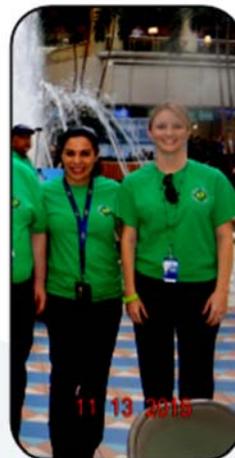
UF-Extension Service — Orange County

VHB



MCO Celebrates "America Recycles Day"

Thank You to our Green Team Volunteers!





Green Team Sustainability Speaker Series

GOAA's Green Team hosts monthly Sustainability Speaker Series luncheons in the Carl T. Langford Board Room. All are welcome and lunch is provided at no cost. Registration is required.

Speaker Series - September

NASA Kennedy Space Center

Our October guest speaker was Charlie Venuti from Delaware North at NASA's Kennedy Space Center (KSC). The luncheon was sponsored by TLC Engineering, and included a choice taco bar of savory chicken and beef served with rice, beans, peppers and onions on soft or hard shell tacos with all the toppings, catered by Qdoba.



Mr. Venuti gave an energetic talk on the NASA and KSC focus on Sustainability as well as their push toward outstanding environmental stewardship. KSC had their first Earth Day celebration this year featuring a community-built butterfly garden. Participants had the unique opportunity to introduce a colorful array of carefully selected butterflies into their new home.



The KSC Visitor Complex, managed by Delaware North, inspires and informs each guest about the KSC story. There they also encourage guests to experience the Space Shuttle Atlantis — a \$100 million exhibit that showcases the shuttle that made the final flight. Visitors can tour a number of LEED-certified facilities, including the LEED Silver Atlantis Facility.

Mr. Venuti also spoke about Delaware North's GreenPath – their award-winning environmental management system registered in the International Organization for Standardization (ISO 14001). Green Path has helped KSC to increase waste diversion, save millions of gallons of water, reduce energy consumption, and use resources more efficiently. The KSC Visitor Complex aims to increase their solid waste diversion rate to 50% by the year 2020.



Safe and thriving wildlife habitats are of vital importance as The Cape Canaveral Wildlife Refuge has more endangered species than any other in the Continental U.S.

Speaker Series - October

Starnes Consulting, LLC—Real World Sustainability



The Green Team welcomed Michael Starnes of Starnes Consulting as October's speaker in the Sustainability Speaker Series. Starnes Consulting also sponsored this month's luncheon of tuna salad and chunky chicken wraps served with a green salad, chips, and a cookie for dessert, and provided by the Central Care Mission.

Mr. Starnes reviewed GOAA's sustainability initiatives and then introduced his company's alternative sustainability model, ABCD, or Asset Based Community Development. This model concerns itself with how to link micro-assets of a community to the macro-environment.

This premise allows communities to drive the development process themselves by identifying and mobilizing existing assets (which may be unrecognized) to create local economic opportunity.

Central Care Mission (CCM) is a prime example of the ABCD model. In addition to Starnes Consulting, hundreds of volunteers and the local community support the mission of CCM. This men's long-term residential facility uses a two year program to guide and equip men who are dealing with drug, alcohol, and other destructive lifestyles with tools to help them make a successful re-entry into society. They are helped with education, training, personal and career counseling among others things. Many of the volunteers are the same men who have successfully completed the program. Find out more about how you can help support this mission at www.centralcaremission.com.



Through his example, Starnes Consulting "walks the walk and talks the talk." Working through the microcosm of community development is another step toward achieving the bigger goal of real world sustainability.



Speaker Series - November

Green Team Appreciation Luncheon

November's educational event was a Green Team appreciation luncheon, sponsored by VHB and catered by La Femme du Fromage, a local cheese market. This sustainability-driven restaurant provided artisan bread and hand crafted toppings paired with gnocchi pasta salad, and served on reusable tableware to reduce waste.



A brief update was given on the Authority's progress towards its sustainability goals, and LEED certification. LEED, or *Leadership in Energy and Environmental Design*, is a green building certification program that recognizes building strategies and practices that promote renewable, clean energy, save money and resources, and have a positive impact on the health of occupants. MCO is working towards becoming the first airport in the world to achieve LEED certification for the airport as a whole (LEED Campus). The accomplishments of the Green Team were highlighted with respect to GOAA's Sustainability Management Plan (SMP) Goal #1: to reduce the amount of solid waste going to the landfill. MCO currently diverts 15% of all waste from the landfill and the SMP goal is to increase this amount to 50%. To support this effort, the GOAA Green Team partnered with America Textile Recycling Services (ATRS) to collect over 2,800 pounds of uniforms from GOAA, TSA, and MEARS, and diverted them from the landfill for recycling. Other airport partners are also supporting the goal to increase the percentage of waste that is diverted from the landfill: Southwest Airlines diverted 16 tons of magazines and paper and Delta Sky Club diverted 2.5 tons. Jessica Wright of ecoPreserve led a Green Team waste audit in the rental car return area, which will help us to identify ways to improve our waste management program.

At the end of the presentation, personal hygiene products were collected and donated to the Central Care Mission.



Landfill Diversion News



--Sheila DiPace
MCO OPS Green Team of the East

The INK FOR LUV program has paid off. I presented a \$50.00 check to the Southwest Airlines Culture Committee fund. This money was raised from the many, many ink cartridges that OPS and CS put aside on the curb to be boxed and recycled. A few hundred ink cartridges now are not in the landfill, and have been completely reused or recycled via the Charity Cartridges program.



Helder Donis from SWA. Efforts to divert tons of magazines from the landfill continue!



GOAA Airline, Landside, & Maintenance departments, TSA, and Mears diverted a total of **714** pounds of textiles from the landfill in October.

Teresa Smith from GOAA Purchasing with boxes of uniforms to be recycled!

Green Team Waste Audit

Rental Car Return October 16, 2016



Waste Weight (lbs)	Presort	Sorted Waste	Recyclable Material
	102.5	84	18.5
	Liquid		
	30		
Recyclable Material	Presort		
	0		
	Paper	Plastic	Aluminum/ Glass
	9	6	1.5
	Cardboard		
	1.5		

GOAA Waste Management diverted **23,340** pounds of scrap metal from JSM Contractors in September.



Trimming the fat: Not just for dieters

by Noah Adelman, ARFF

So at the firehouse we like to cook, and some of the guys and girls can cook VERY well. Now, what to do with all that oil, grease, and fat?

Saving bacon fat for later is one thing; however, throwing it away, pouring it down the drain or dumping it in the dirt is bad. We can do better. The City of Orlando has a great program that provides empty containers for residents to keep at home to collect used cooking oil, fat & grease. Just get it, fill it, and bring it back. The program is free, and protects our precious natural resources, converting waste to bio-diesel fuel. Let's try to be good stewards of this rock floating through space and recycle, reduce, and reuse!

<http://www.cityoforlando.net/wastewater/recycle-used-cooking-oil/>



Green Roots Around the Airport

Pull for the House!



GOAA GREEN FALL 2015 CHALLENGE

October Pull Tab Results

Southwest Airlines	3 lb, 2 oz
GOAA Finance	12.4 oz
GOAA HR	10.9 oz
GOAA Executive Offices	8.9 oz
GOAA Ops Admin	8.5 oz
Azim Abass	5.1 oz
ARFF	4.1 oz

November Pull Tab Results

GOAA Finance	5 lb, 12.8 oz
Southwest Airlines	5 lb, 3.2 oz
Disney Magical Express	1 lb, 1.4 oz
GOAA Airline Division	1 lb, 1.2 oz
Orlando Executive Airport	9.6 oz
GOAA Purchasing	7 oz

October Pull Tab Challenge

The results are in for October's Pull Tab Challenge! Congratulations to Southwest Airlines for collecting over 3 pounds of pull tabs!!! To the right is a photo of our GOAA Green mascot, Allie Gator, being passed off to the Green Queen, Sheila DiPace, of Southwest Airlines by GOAA's Manager of Noise Abatement & Sustainability, Judith-Ann Jarrette. To the left is Allie Gator hanging in her new digs at Southwest Airlines for the next month. We can't wait to see who gets to show off Allie next!



Allie hanging out in the SWA in-flight lounge!

November Pull Tab Challenge

The results are in for November's Pull Tab Challenge! Congratulations to GOAA's Finance Department for collecting 5lbs, 12.8oz of pull tabs!!! The rest of November's results will follow in this email. Below you will see a photo of our GOAA Green Team mascot, Allie Gator, being passed off to the winning team at their holiday party. They will be displaying the GOAA Green Team mascot in their office for the next month. This month was a close battle between the Finance Department and previous winner, Southwest Airlines. We can't wait to see December's results! Keep collecting tabs for a great cause as we will continue this collection into 2016. Thank you to all who participate!



United States Environmental Protection Agency

Enviro-Tip of the Month



eCycle - take your old computers or other electronics to a local recycling center. This helps keep lead, cadmium, and other heavy metals out of the landfill. Find eCycling centers near you. November 15 is America Recycles Day.

<http://www2.epa.gov/recycle/electronics-donation-and-recycling>

News You Can Use

Reducing food waste. As we enter the holiday season, remember to feed people, not landfills. Prevent waste by being smart about what you buy, how you prep, and how you store food. Donate extra food to an area food bank. And if somehow you still end up with scraps, compost them.

<http://www2.epa.gov/recycle/reducing-wasted-food-basics>

Want more news? Sign up to receive EPA news releases on topics that interest you. <http://www2.epa.gov/newsroom>

Blogs: <http://www2.epa.gov/aboutepa/greenversations>

Facebook: <http://www2.epa.gov/aboutepa/social-media#facebook>

Twitter: <http://www2.epa.gov/aboutepa/social-media#twitter>

Instagram: <http://instagram.com/epagov>



FOOD RECOVERY MONTH

#NoWastedFood

Join Us!

Would you like to part of the Green Team? The Airport Green Team is an all-volunteer committee of airport employees who meet periodically. Please contact Judith-Ann Jarrette at Judith-ann.jarrette@goaa.org or Anita Lemmon alemmon@goaa.org for details.

The Dirt is published quarterly by the GOAA Green Team

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Have comments, ideas, suggestions? Email

GreenTalks@goaa.org

Stay MCOConnected!

