### In Pursuit of Zero Waste

A Strategy For Greening Your Campus

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# Agenda

### **Topics for Discussion**

- 1. Sustainability Pressures and Challenges in Higher-Education
  - a. What we can do
- 2. The Sustainability Continuum
- 3. ThinkGreen Campus Model
  - a. How to implement model
- 4. University Best Practices
  - a. Zero waste initiatives



# Sustainability Pressures and Challenges

### Higher Ed is Expected to Lead the Way

Population, consumption and climate trends are apparent and alarming

- "World population expected to grow to 8.9 billion by 2050." source: United Nations, 1973.
- •Growth of global per person food consumption increasing exponentially. Source: FAO, 2011
- •By 2020 we will need 50% more energy!
- •In 2030 it is predicted that some 83 billion tons of minerals, metals and biomass will be extracted from the earth: 55 percent more than in 2010

The commitment from higher education institutions to take on the climate challenge is clear and active

- "The higher education sector is the only major sector [in the US] with a critical mass moving toward climate neutrality." source:

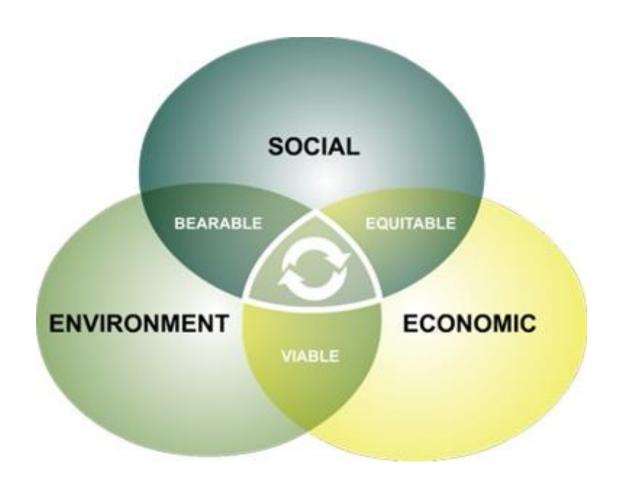
  Michelle Dyer, chief operating officer of a Boston-based national nonprofit organization
- "[Colleges and universities] are serving as role models and catalysts while the federal government and international community struggle to secure meaningful agreements on climate disruption"

Students are demanding and seeking schools with sustainability curriculum and eco-friendly campuses

 "Currently 69% of students choosing colleges are including ecofriendly campus issues in their desired school qualities. A 5% increase from the 64% of students concerned with environmental issues in 2008." source: USA Today 9/16/11

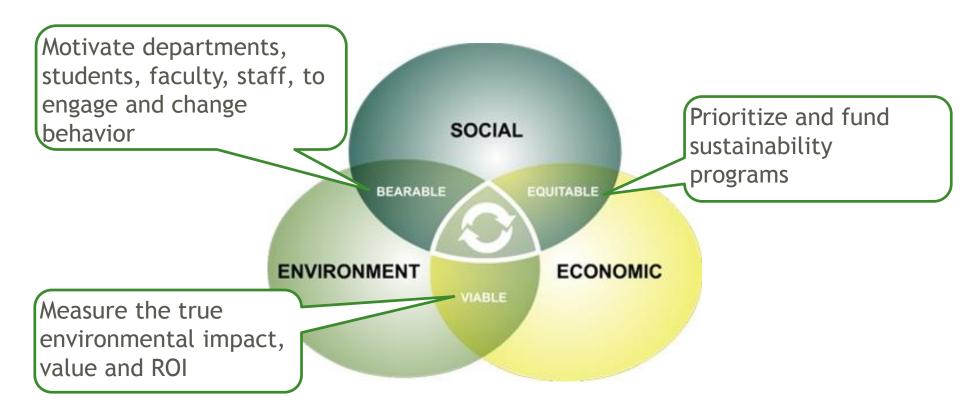


## What Can We Do About It?





## What Can We Do About It?





# Sustainability is a Journey

#### THE SUSTAINABILITY CONTINUUM ARE YOU? Blue Thinking **Above & Beyond** · Environmental Leadership · Connection to Brand Strategy · Transformational Innovation · Environmental Accountability · Long Term Strategic Planning Dark Green **Among The Best** · Corporate Governance · Voluntary Reporting Assessed Supply Chain Impacts Certification · Mandating Energy Efficiency Renewable Energy Usage · Carbon Impact Solutions Medium Green **Better Than Most** Official Sustainability Statement · Reduction Goals Outlined · Environmental Baselines Known · Comprehensive Waste Diversion · Organics Program Assessed Environmental Impacts With The Pack Light Green · Recycling Program · Green Purchases · Conservative Efficiencies · Formed "Green" Teams GRADUATE TO SUSTAINABILITY



# Think Green® Campus Model

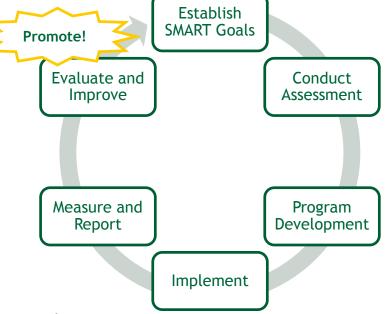
#### A Systematic Approach To Drive Results

#### Implement a model to:

- Engage and align key stakeholders staff, students, community
- Continually assess, innovate programs, consistently measure and continuously improve to:
  - Minimize costs, maximize operational efficiencies
  - Extract more value from the materials stream
  - Responsibly handle all materials
  - Drive diversion and maximize environmental protection

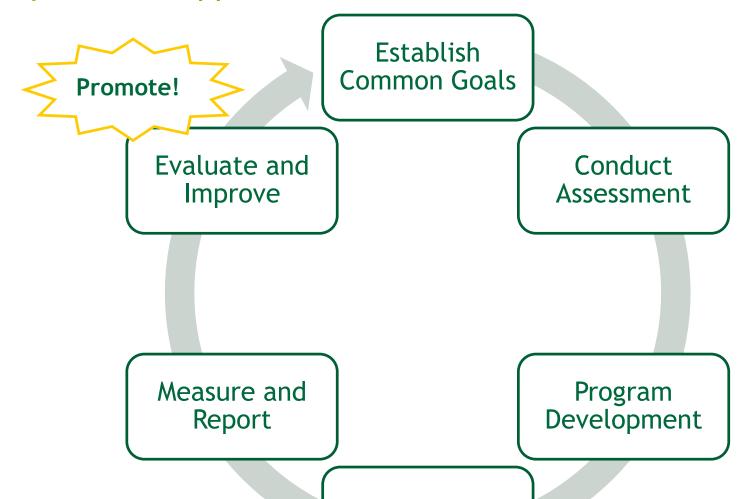
#### Maximize ROI

- Ensure programs have a measureable, increasing ROI over time
- It's an investment over the long-term





A systematic approach to drive results

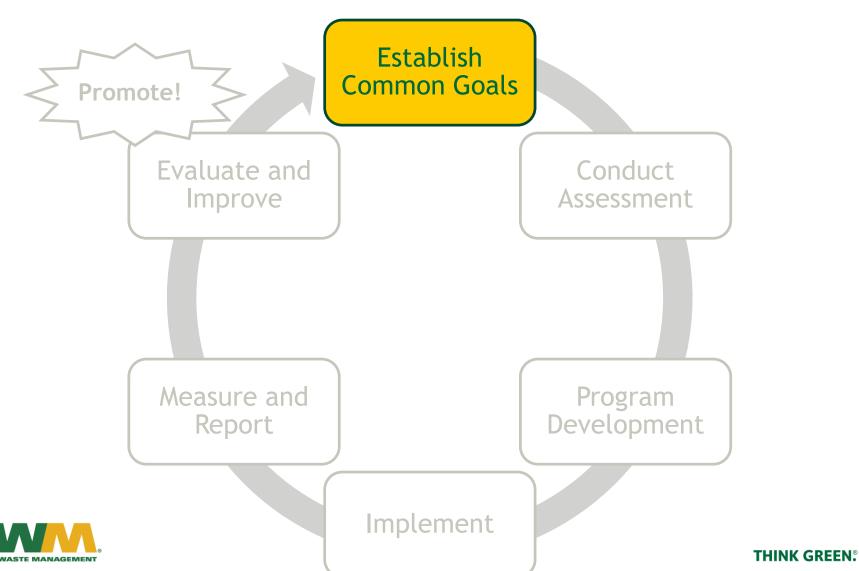




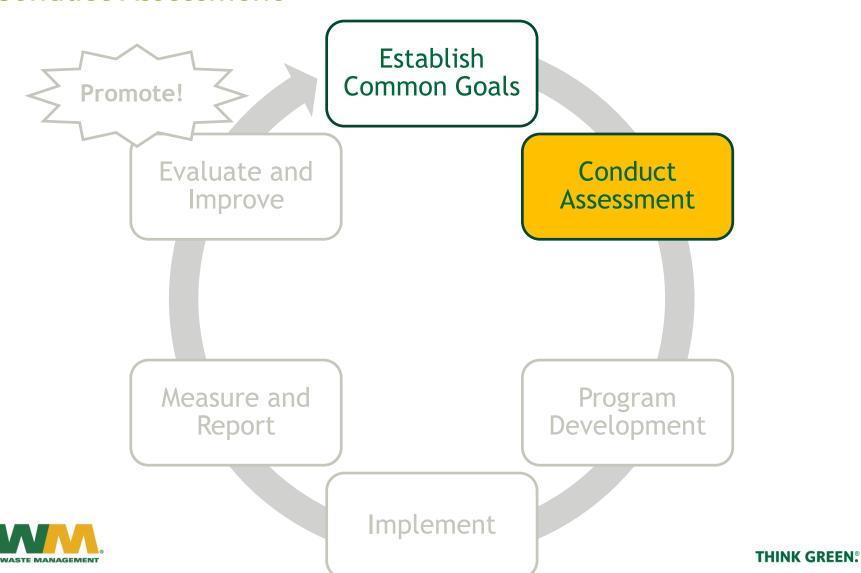
**Implement** 

**THINK GREEN**<sup>®</sup>

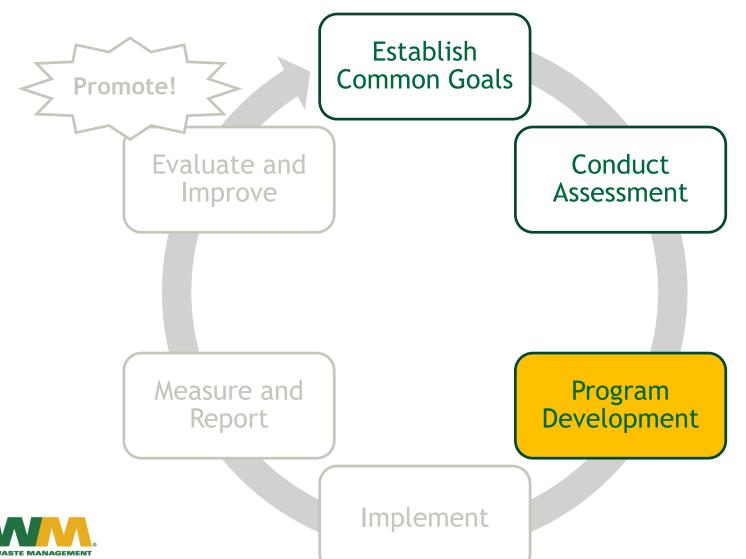
#### **Establish Common Goals**



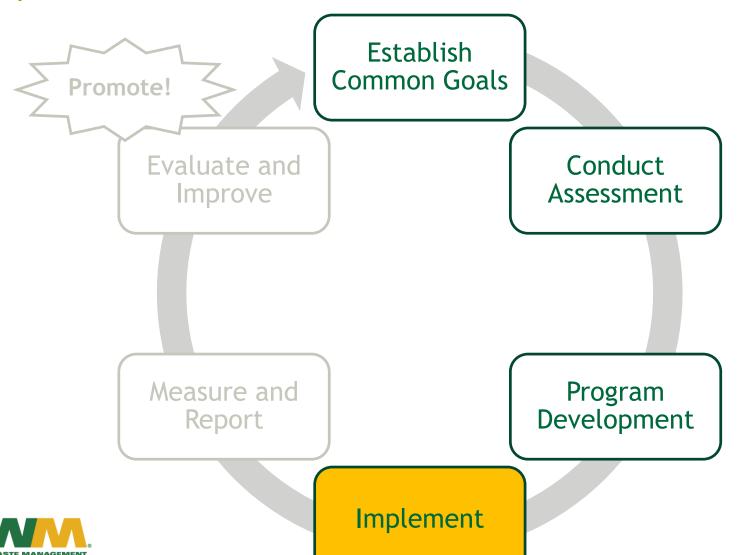
#### **Conduct Assessment**



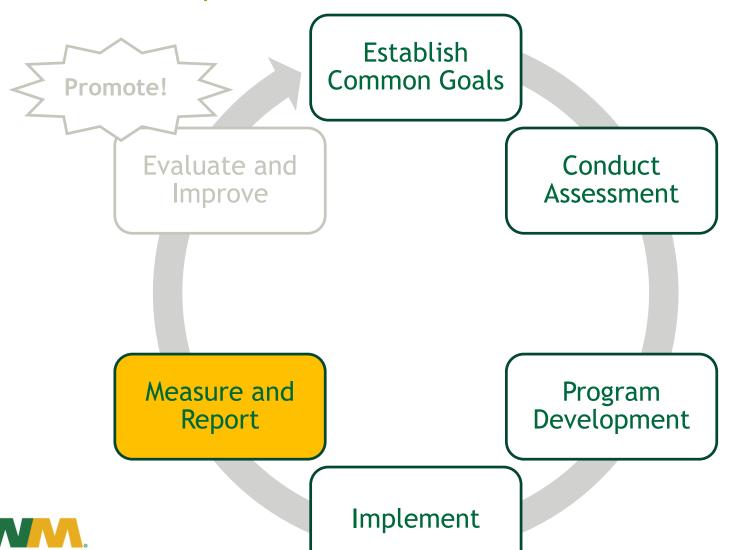
### Program Development



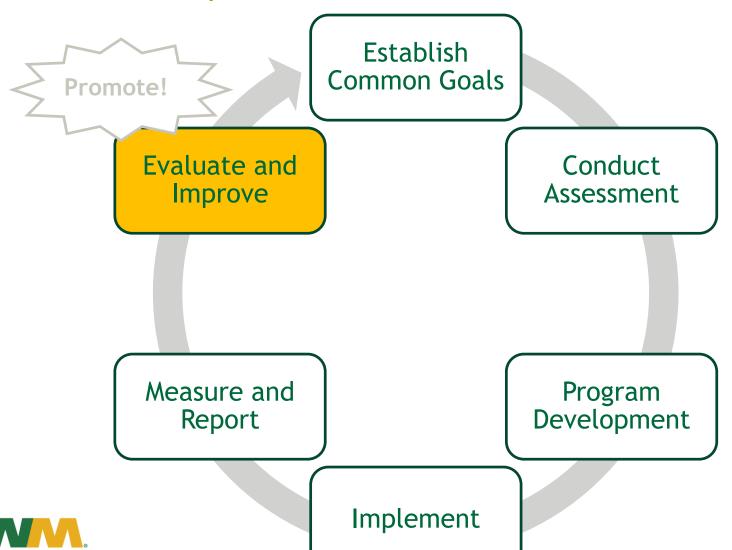
### **Implement**



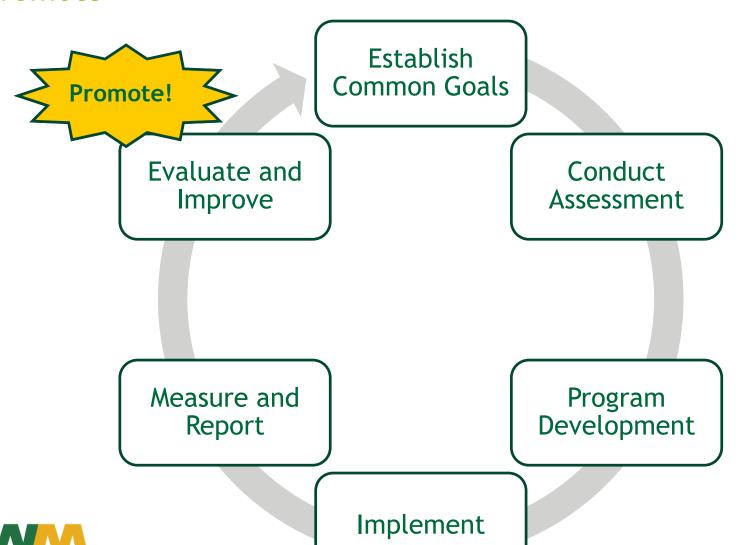
### Measure and Report



### **Evaluate and Improve**



#### **Promote**



Move-In & Move-Out Program

#### Campus Signage & Posters

GAMECOCKS, Keep Move In Days Clean & Green.

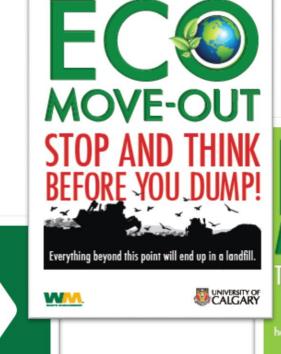


LOYAL GAMECOCKS FLATTEN BOXES BEFORE RECYCLING.

Box recycling rolloffs located in parking lot 8.







Customized Campaigns



Recycle your gently used clothing, housewares, electronics and toiletries. Paper and non-perishable food also accepted.

Items will be donated to Goodwill Industries and Campus Food Bank April 19-30, 2013 • Hours: 2-7 p.m.

Volunteers needed!
Contact UofCMoveout2013@gmail.com



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**Customized Directional Signs** 

RECYCLING

**Greening Game Day** 



Stadium Signage & Posters

**COMMODORES.** 







Scoreboard Publid Announcements

#### **WILDCAT FANS,**

**University of Arizona Athletics** and Facilities Management are proud to announce our sustainability goals for the upcoming 2012 Football Season.

We have partnered with Waste Management in pursuit of our 10% increase in recycling

> objective by 2013. Every home game is an opportunity to put our best foot forward to





We ask that you help us continue to drive recycling participation by recycling your plastic bottles, cans, cups, and paper In the recycling containers stationed throughout the stadium.

Please use the provided blue plastic liners for recyclables during tailgate and set at the curb when leaving for the night.

We look forward to a successful Wildcat Season.

THE UNIVERSITY OF ARIZONA FACILITIES MANAGEMENT







Bring 6 cans or plastic bottles to

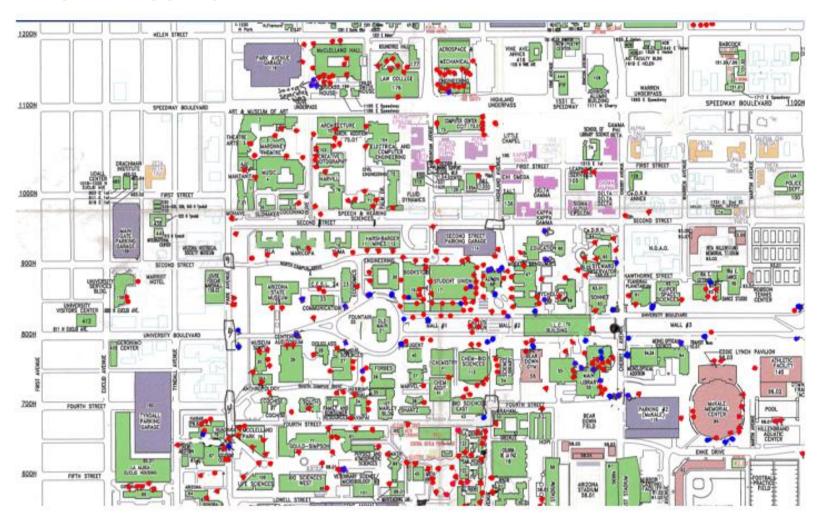
booth and win a free Coozie!

recycle at the Waste Management

ANCHOR DOWN AND RECYCLE.

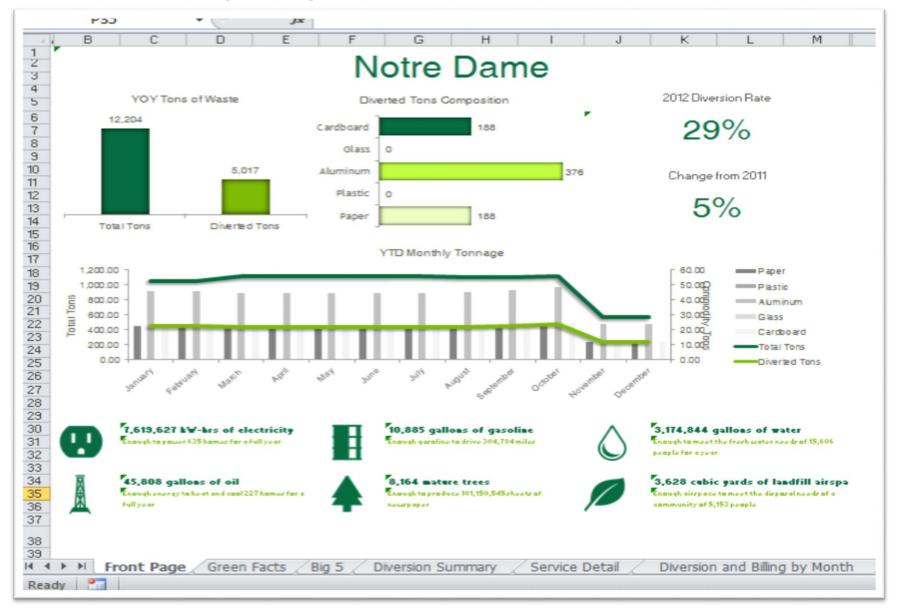
Game Day Emails

### **Campus Mapping**

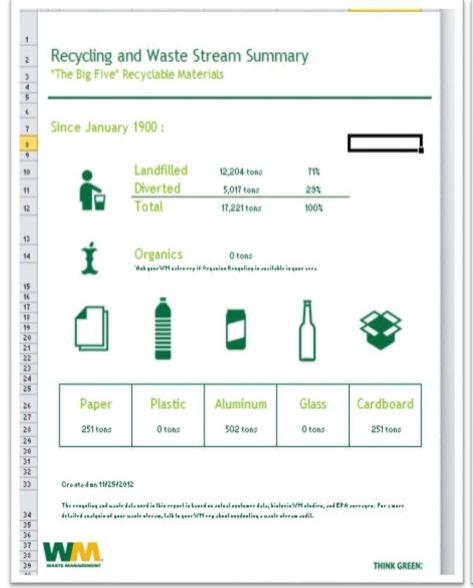




### **Quantitative Reporting**



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## Wrap Up

#### Next steps



Partner with the leading environmental solutions company



Conduct comprehensive assessments of materials streams



Develop a robust program for handling all materials



### Thank You

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