

RED, BLACK & GREEN CLEANING

How Green Cleaning has Engaged the UGA Workforce & the Campus Community



American School & University's
Virtual Conference and Expo

*Kimberly Thomas,
UGA Physical Plant Division*

June 15, 2011



PPD Green Cleaning Program

Workplace Engagement



Green Cleaning Program based on:

- Indoor Air Quality
- Chemical Inventory Control
- Green Purchasing Contracts
- Ergonomic Equipment
- Worker Safety & Training
- Stakeholder & Customer Input
- Measurable Results
- Marketing Strategy



Engaging our Workforce

- *The Vision*
- *Team = US*
- *WSNH*
- *SSS*
- *Service is what we do!*



Indoor Air Quality

Improvements with Green Cleaning



- Research studies show Indoor Air Quality has a link to academic success
- Identify and substitute hazardous chemicals with high volatile organic compounds (VOC's) with safer products
- Implement research for greener cleaning products with low or no VOC's and biodegradable concentrations
- Implement plan of action to convert cleaning products



Worker Safety

- Mandatory 2-week BSW Academy; Certification course award given
- Written and hands-on practical exercises on all cleaning procedures, equipment, and safety response protocols
- Continuous training in crew meetings monthly and quarterly basis
- Remedial training based on employee safety violations
- Promotion reviews based on safety compliance.
- Move to equipment with little or no chemical usage requirements



Chemical Inventory Control

- Chemical Inventory
- Chemical exchange program with other departments or universities
- Set purchasing controls for chemicals
- Computer software inventory management
- Dilution control systems
- Purchase bulk concentrates instead of ready-to-use products



Ergonomic Equipment

- Our approach includes the use of ergonomic cleaning tools in our program which serves to:
 - *decrease worker contact with waste*
 - *decrease fatigue*
 - *demonstrate our commitment to workplace safety*
 - *reduce worker absenteeism*
 - *increase productivity*



Community Partnerships

- Public Relations class assignment
- Logo and marketing strategy
- Meetings with key stakeholders
- Spreading the “good news”



**8 DAYS
2 GO
GREEN**
10.14-21.2007

KICKOFF PARTY
sun oct 14
7pm on
brumby beach
FREE FOOD AND MUSIC

8 DAYS 2 GO GREEN

sunday october 14	7pm / kickoff party on brumby beach featuring free food and music
monday october 15	6pm / come to snelling to learn how you can recycle on the uga campus
tuesday october 16	10am-5pm / bring all of your old newspapers and notes to tate plaza to recycle them. also, georgia power will be handing out free energy efficient light bulbs!
wednesday october 17	10am-2pm / learn how to get involved at the environmental activity fair in tate plaza
thursday october 18	come exchange your disposable water bottle for a reusable one at tate plaza from 10am-2pm or at ramsey from 4pm-6pm
friday october 19	10pm-2am / dawgs after dark trashion show at tate student center
saturday october 20	turn off your lights and conserve energy!
sunday october 21	7pm / screen on the green and free food on brumby beach

to learn more visit our web site
<http://ugagogreen.blogspot.com>

take part in our dorm competition and win prizes for your hall!
come out to our kickoff to learn more!

go green
live red and black

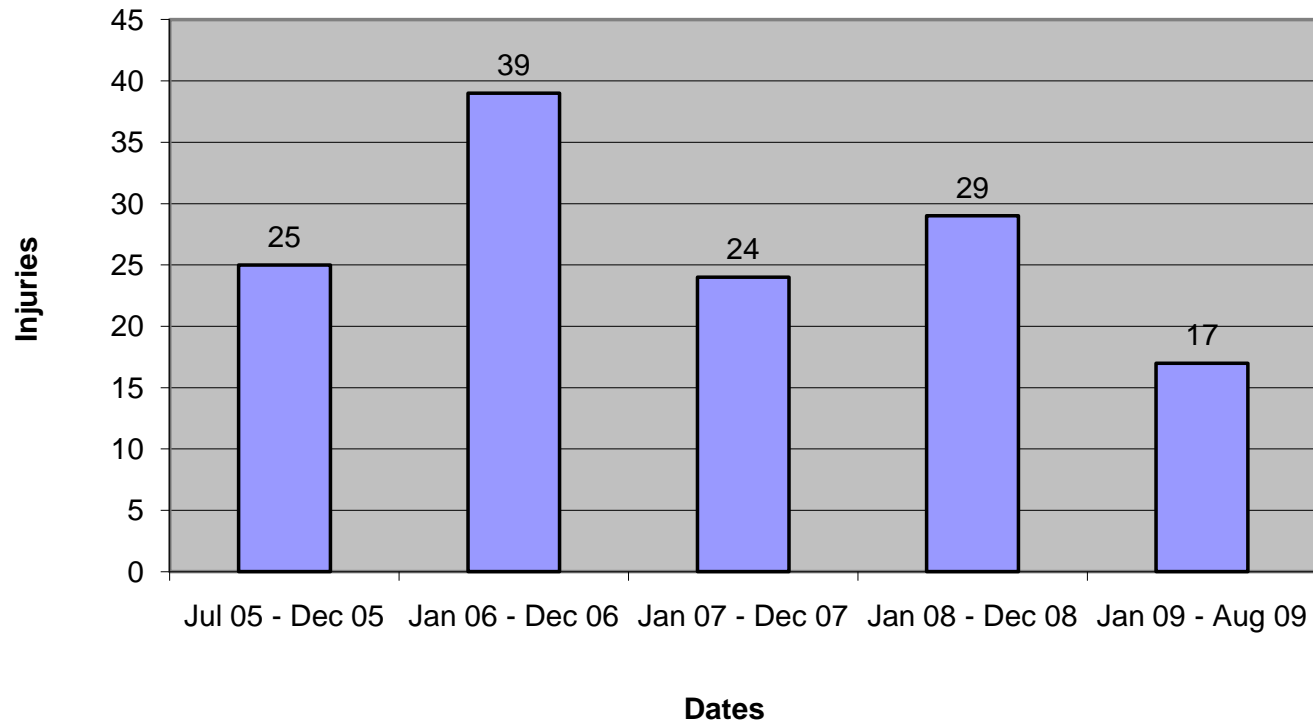
GO GREEN

Measurable Results

Number Custodial Employee Injuries

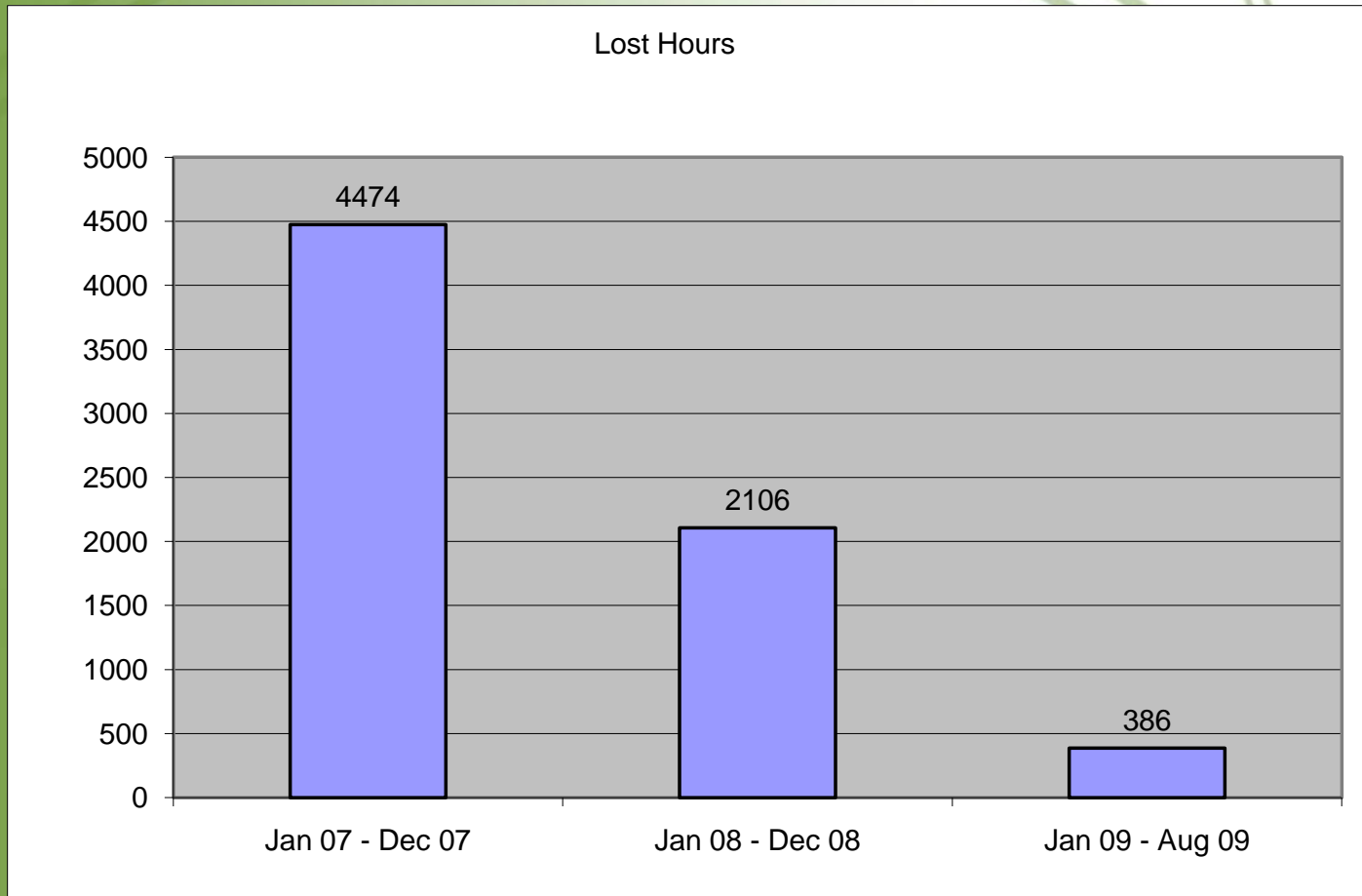


Number of Injuries



Measurable Results

Lost Work Hours

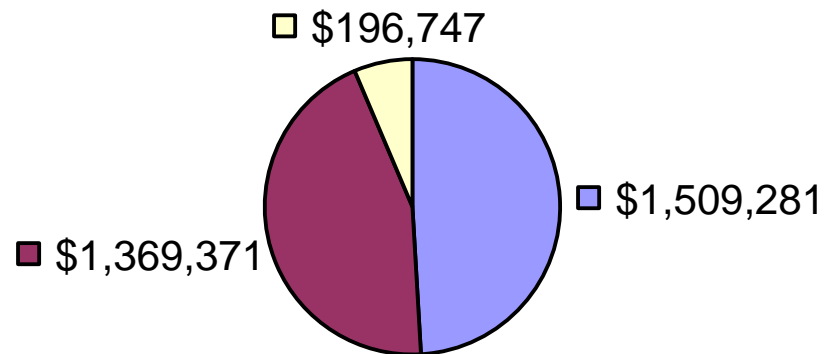


Measurable Results

Cleaning Chemical Spending



**Chemical Products purchased for
RI Buildings**



■ 2007 ■ 2008 ■ 2009-2010

Measurable Results

Process Changes



- Monthly building quality inspections to determine if specific refresher training is needed
- Institutional cleaning procedures standardized throughout campus; 300 employees completed BSW Academy
- Reduced hazardous chemicals in both Warehouse and facilities (over 500 chemicals removed)
- Positive employee morale and turnover rate has decreased
- Reduction in lost work time injuries in green cleaning buildings
- Better communication with employees and customers

Achieved
CIMS recertification with Honors and
Green Building designation in 2010
from International Sanitary Supply
Association.

Also named Co-GRAND AWARD winner
for 2010 Green Cleaning Award by
American School & University
Magazine/Green Cleaning Network.

Selected "Honorable Mention" for 2008
and 2009



UGA PPD Building Services, HR, and
CIMS certification team with ISSA
certification. (left) Photographed for
cover story of ISSA Today Magazine
Jan/Feb 2009 issue.

GREEN CLEANING AWARD FOR SCHOOLS & UNIVERSITIES

HONORABLE MENTION

UNIVERSITIES

>> UNIVERSITY OF GEORGIA—ATHENS

PROGRAM INFORMATION

Number of students: 44,000
 Square footage maintained: 0.5 million sq. ft.
 Number of full-time custodians: 315
 Annual cleaning budget: \$10 million

Cross-Cleaning Team members: Kimberly Thomas, a Senior Director of Services; Al Jeffers, former Superintendent of Building Services; Lee Gilgus, Manager, Domestic Assistant Supervisor/Janitor; Chubbam Massey, Building Supervisor; Tom Lark, Training Specialist; Athens Janitor Supply Company; George Thomlin Brothers, Janitorial Product Distributor; USA Physical Plant Unit; Support Services, Grounds, Energy Services, Human Resources/Safety Office, Operations and Maintenance/Engineering Department.

Oid College, constructed in 1828, was the first building on the University of Georgia, Athens (UGA), campus to adopt green cleaning. As part of its facility's modernization in 2005, the physical plant services department (PPS) removed 20 traditional cleaning chemicals and replaced them with two green products and one disinfectant.

UGA's goal was to revamp the entire campus into a green-cleaning operation within five years. In the process of converting general building operations and south-campus green centers, those goals fell into place as a result of green-cleaning techniques, increased indoor/outdoor recycling stations, green operations and maintenance practices, portable chemistry waste systems and bike racks.

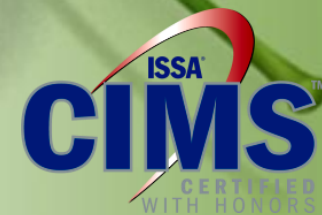
The university has developed the Building Services/Janitor Academy to standardize cleaning operations. Employees are taught the proper use of green-cleaning products, equipment, methods, techniques to reduce cross-contamination, procedures for universal waste handling, and emergency-control measures.

The department has regular supervisory crew meetings that stress safety training. Each building has been equipped with electronic cameras into Custodial Maintenance Management (CMM) software for fleet-on-floor checks and equipment inventory; routine cleaning assignments; training cards; cleaning task sheets and color graphics by facility. Quarterly assurance checks are completed by PPSA and downloaded for a final building report.

To validate its program, an ISSA-CIMS-certified OSHA trainer conducts quality assurance checks. The department has saved \$37,000 by reducing chemical use and eliminating more than 100 hazardous products. Employee absenteeism has been reduced within the last three years to zero.

STORY ORIGINATORS—COMMUNICATING: UGA regards others in the responsibility of green cleaning with **ecoCharge**—an award-winning program in all university areas, a green building honor, its commitment to green building practices, a "Green" monthly program and professional green line hourly staff to pad the green cleaning, campus-wide recycling efforts, and the Green Alliance.

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