

***It's Not Easy
Being Green***



....Or Is It?

Turn Off Computer

Green Suppliers

Green Landscaping

Change a Light Bulb

Green Cleaning

Less Waste

Reduce Printing

Print to PDF

Use Native Plants

Recycle

Turn the Light Off

Use Smart

Turn Off the Faucet

Paper Reuse

Irrigation

Buy Energy Star

Buy WaterSense

Compost

Equipment Technology

Assessment

Everyone

Refurbish



**SC Students Plant
a Native Tree Alley**



Form a DHEC Green Team?

Meets Our Priorities as an Agency?

- **Promote and Protect Health of the Public and the Environment**
- **Healthy People in Healthy Communities**
- **Excellence in Government**
- **Lead by Example**

Room For Improvement?

- **Computer Use Study Example**
- **Computers On - 6,136,166.40 KWH per Year**
- **Cost of Computers On - \$459,598.86**

Management Buy-In

- **Official Resolution signed by DHEC**

Executive Management Team in January 2009

The DHEC Green team strives to improve internal operations to reduce pollution and save resources.

Making a Plan

1. Form a Team(s)
2. Set Goals Together and w/ Staff
3. Line-up Support and Resources
4. Write Your Plan
5. Establish Current Performance Baselines
6. Plan a Course for Action

7. Evaluate Results
8. Share Your Success



Work as a team to help identify priority goals.



Tracking

Tracking

Follow the Plan, and Adjust as Needed
(document activities, target dates, etc.)

WATER CONSERVATION	Initiated	Anticipated Completion
Aerators	November 2, 2009	January 15, 2010
Walk through with General Services - Leaky Faucets	November 2, 2009	January 15, 2010
TRANSPORTATION / COMMUTING		
Shower for Cyclists		
Carpool Signs		April 2008
Hybrid Car Parking Spaces		
OUTREACH		
Modify and Frame GT Hall Posters		November 12, 2009
Create Water Conservation Poster		November 12, 2009
Mix Tips / Event Listings		November 12, 2009
Mix Lighting Charts / Schematics		November 12, 2009
Holiday Emails with Reminders	November 2, 2009	November 15, 2009
Grants - Why is the building not considered for grant monies?		
Coordination with other Bureau GT efforts -		



Project List

Current Projects

Bureau “Green” Posters – **Done**

SAW – Light/Energy Savings – **Education and Evaluation Phase**

Water Efficiency Planning – **Planning Phase**

Lamp Light Bulb Replacements (CFLs) - **Done**

Canteen Products – **Planning Phase**

Green Tips via MIX – **Done/Ongoing in 2010**

Education – **Planning Phase**

Employee Involvement – **Planning Phase**

EQC-GT Communication – **Ongoing**

Budget – **Ongoing**

Future Project Ideas

Printing double-sided (reports)

Gardens (edible, rain)

Education on what’s already been done green at DHEC (ex. Tree Grant)

Involve whole Green Team on landscaping efforts

Education on ways to conserve through more efficient processes

Evaluation

Baselines, Surveys, Usage Records, Focus Groups

Baseline Survey

When asked if the employee knew how to turn off the lights, the following results were reported:

54% responded yes

46% responded no

62% do not turn off lights b/c other staff are still working.

Leaving?

**Turn off
computers
and lights!**



SAVE



WATT!

SAVE ⚡ A ⚡ WATT!

Aycock Building – Fourth Floor Lighting Plan

1- Do you need your office lights to remain on after 6pm Monday through Thursday or after 5pm on Friday?

- Print your Name and Light Zone Color on the Master White Board.

2- Has everyone in your Light Zone Color left for the day?

- Check the Master White Board next to the Main Light Switches.

- Turn off the lights for your color zone and **SAVE ⚡ A ⚡ WATT!**





Take A Break From the Exhaust



TABFTE is a web-based program that can be accessed on your computer and also provide ground-level ozone forecasts when they are being issued.



2009 Miles reduced - 405,933 miles

Particulate Matter - 14,516 grams

Nox - 101,059 grams

Carbon Monoxide - 1,687,147 grams

VOC's - 50,696 grams



<http://www.scdhec.gov/takeabreak>

Sharing Results

Newsletters

E-mails

Company Meetings

Posters

Press Releases

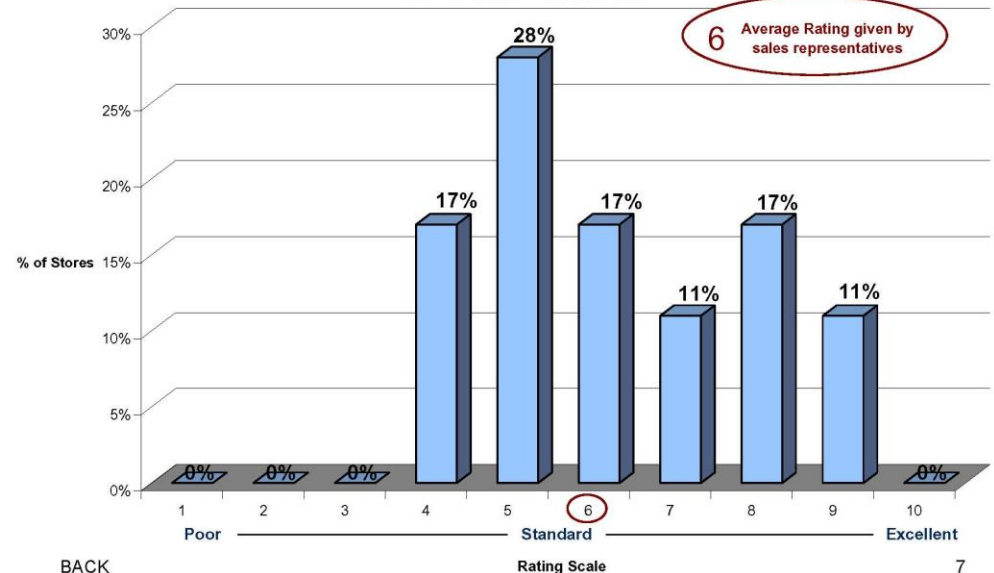
Graphs are Good

Mixers

Social Media

BEST
Workplaces
for CommutersSM

How Well Are WaterSense Products Selling in Your Store?



Involving Employees

Mixers

Philanthropy

Green Team E-mail

Surveys

Green Team Members

Contests

Share Results

Education



Green Posters



conserve energy!

Did you turn off
your **light**?

Did you turn off
your **computer**
and **printer**?



leading
by example

be green.
go green.



Green Marketing

Add a logo and tag line to promotional materials

Are you certified?
Did you win an award?
Say so! It doesn't have to be wordy. Make sure to add any logos that you are certified to use.

Promote being green on your website

Add a separate web page that outlines all that you do to be green. Provide links to any green organizations you belong to. This is a good place to promote your green mission statement.

Green your marketing efforts

Get a business website and e-mail address. Have professional business cards and other printed materials printed on recycled paper and use an environmentally responsible print shop.



Awards & Certifications

City of Columbia Climate Protection Action Campaign

<http://www.coccpac.com/>

Lexington County Green Business Certification

www.lex-co.com/greenbusiness.html

DHEC Earth Day Awards

www.scdhec.gov/environment/earthday/awards.htm

DHEC Spare the Air Award

www.scdhec.gov/environment/baq/sparetheairawards.aspx

DHEC Smart Business Recycling Award

www.scdhec.gov/smartbusiness

South Carolina Environmental Excellence Program (SCEEP) www.scdhec.gov/sceep

Worth Remembering

Company

Goals/Philosophy

Management Buy-In

Include Employees

Planning and Evaluation

The Budget

Include
Philanthropy

Every Bit Helps

Communication is Key

Make it Fun

Get Creative

Competitive Advantage

Increase Customer
Loyalty

Stewards of the
Environment

Boosts Employee
Morale





Resources

Green Team

- **Green Business Boot Camp**

www.coccpac.com/downloads/BPB_Green_Business_Boot_Camp.pps

- **10 Best Practices For Building Green Teams**

www.greenbiz.com/blog/2009/12/07/10-best-practices-building-green-teams

- **Going Green – A Piece of Cake**

www.sba.gov/idc/groups/public/documents/sba_homepage/serv_energ_y_going-green.pdf

- **DHEC Center For Waste Minimization Green Resources**

www.scdhec.gov/cwm



Resources

Evaluation and Measurement

- **Measure Your Impact**

www.scdhec.gov/environment/lwm/recycle/impact.htm

- **BizTrac**

Free and confidential online reporting for recycling and solid Waste

www.scdhec.gov/environment/lwm/recycle/smart_business/reporting.htm

- **Portfolio Manager**

Track and assess energy and water consumption

www.energystar.gov/index.cfm?c=business.bus_water

- **EPA WARM Model**

Developed for to calculate the GHG emissions associated with different solid waste management options.

www.scdhec.gov/environment/lwm/recycle/impact.htm



Going, Going, Going...Gone Green

Recently launched **Coast Brewing Co.** will produce beers made with organic grains. It also will use recycled equipment and environmentally friendly manufacturing processes.

Demand for the product "is just exploding,"

*Jaime Tenny,
Owner - North
Charleston,
South Carolina*

Ted's Montana Grill has the slogan "Eat great. Do good" Ted Turner and his business partner emphasize that being sustainable includes everything from asking a franchiser to buy "green" to talking with community leaders to help create an infrastructure for recycling.

Outdoor gear retailer **Half-Moon Outfitters**, for one, recently built a new, energy-efficient corporate headquarters and distribution center in North Charleston. The building uses solar power and collects rainwater for flushing commodes, among other eco-friendly touches.

Being Green

Happy
Employees

Happy
Customers

Happy You!

It's Worth it



Environmental
Savings

Monetary
Savings

Community
Involvement

Sound
Business Sense

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