

How to Encourage Long-Lasting Behavior Change to Support Energy Efficiency Goals

April 22, 2014 – Happy Earth Day!

Conservation Challenge

* Pilot in our office: Baseline Week

	Percentage of the time that lights , monitors, or both were left on when the room was not occupied
Lights	10.94%
Monitors	12.5%
Both	11.72%

Data

MONDAY	Mid-day								End of day							
	YES occupied				NO occupied				YES occupied				NO occupied			
	Light		Monitor		Light		Monitor		Light		Monitor		Light		Monitor	
Office/ Room	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off
Mayra						X		X						X		X
Javier		X	X											X		X
Nickole	X		X											X	X	
Annaelisa														X		X
Eddie	X		X											X	X	
Denisse	X		X											X	X	
CONFERENCE ROOM						X								X		
Memo						X	X							X		X
Cary	X		X											X		X
Jessica	X		X						X		X					
Eloisa	X		X											X		X
Provi						X		X						X		X
PRINTER ROOM						X								X		
STORAGE ROOM						X								X		
Rafa					X		X							X		X
Christian	X		X											X		X
	7	1	7		1	6	2	2	1		1			15	3	9
Out of 16	0.44	0.06	0.44	0	0.06	0.38	0.13	0.13	0.06	0	0.06	0	0	0.94	0.19	0.56

Conservation Challenge

* Pilot in our office: Email

Good afternoon everyone!

Lauren and I are conducting a conservation survey in the office and we are collecting data to help with our upcoming conservation campaign. To help us with this pilot, we have a few tips to help you conserve your energy and reduce your waste:

1. **Set your computer settings to “sleep”** after five minutes of no activity.
 - a. To do this, click on the Windows Start button on the bottom left corner, then Control Panel, then Power Options, then you can select Power Saver, and then Choose when the computer sleeps--set it to turn off the display after 5 minutes (or less) and put the computer to sleep after 15 minutes.
2. **Turn off** the printer room light, conference room light, and storage room light whenever you leave the room
3. **Set your print settings to double-sided and black-and-white.**
 - a. This saves money and resources! In our Spectrum contract, color copies cost at least three times as much as black-and-white copies! Remember we're charged per page, so only print as needed!
 - b. To do this, whenever you are going to print something (in Word or Outlook, for example) and you click Print Options then Properties (Outlook), OR Printer Properties (Word) then click on the Default to see which defaults you have set. Then, select 2-sided(book) and black and white print and click Save... then name your settings (something like Sustainability or go green!) and it should save your new default settings.
4. **Shut off all lights and monitors** when you leave your office
5. **Open up blinds** to let in natural light, allowing you to also have your light off while you're in your office
6. **Shut off** coffee machines, desk lamps, speakers, and other electronics when not in use

Thank you for your help with this pilot! Hopefully through this campaign we can cut the City's energy bills and put that money to better use! While we are on the subject don't forget to **Recycle** all paper, plastic, cardboard, and metals.

-Sustainability Office

Conservation Challenge

* Pilot: After email was sent out

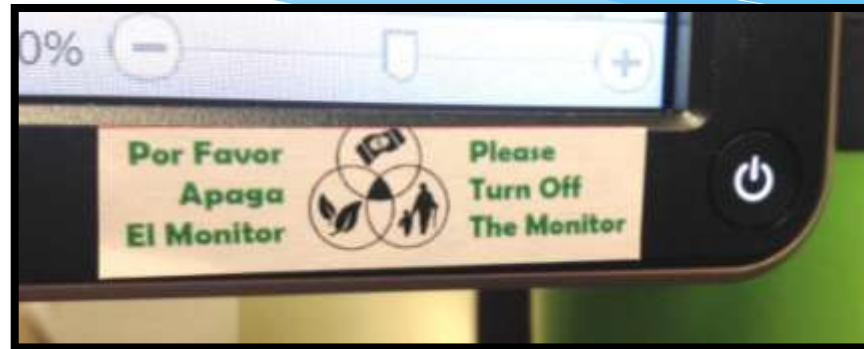
	Percentage of the time that lights , monitors, or both were left on when the room was not occupied	
	Baseline week	After Email
Lights	10.94%	11.72%
Monitors	12.50%	8.33%
Both	11.72%	10.03%

Conservation Challenge

- * Email did not really have an effect on lights
- * The email did seem to have an effect on the monitors, so it is possible that with easy-to-follow instructions on how to set power management settings, you can have a noticeable effect on energy reduction
- * Hopefully there is another way to address the light issue..

Conservation Challenge

* Stickers



Conservation Challenge

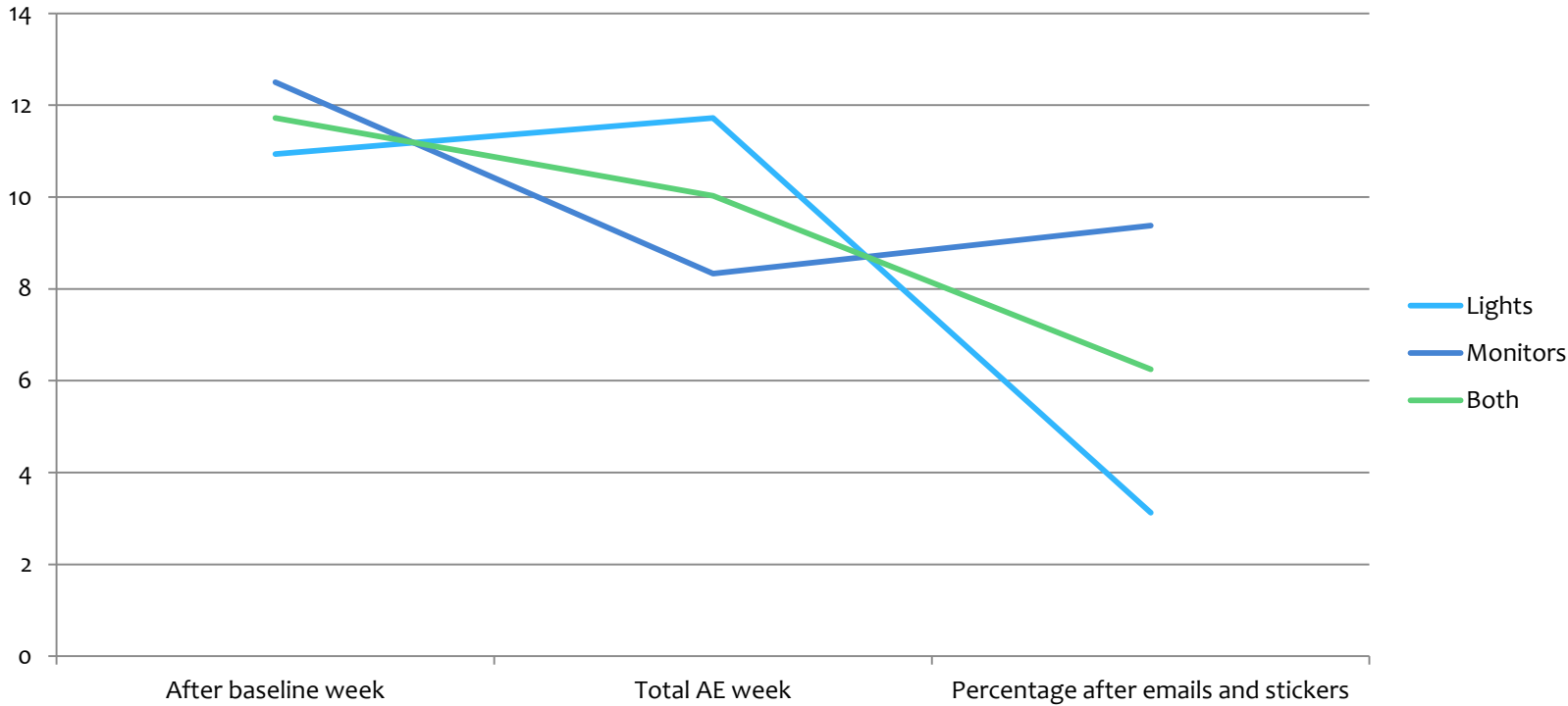
- * What effect did our conservation reminder stickers have?**

Conservation Challenge

Results after stickers were added:

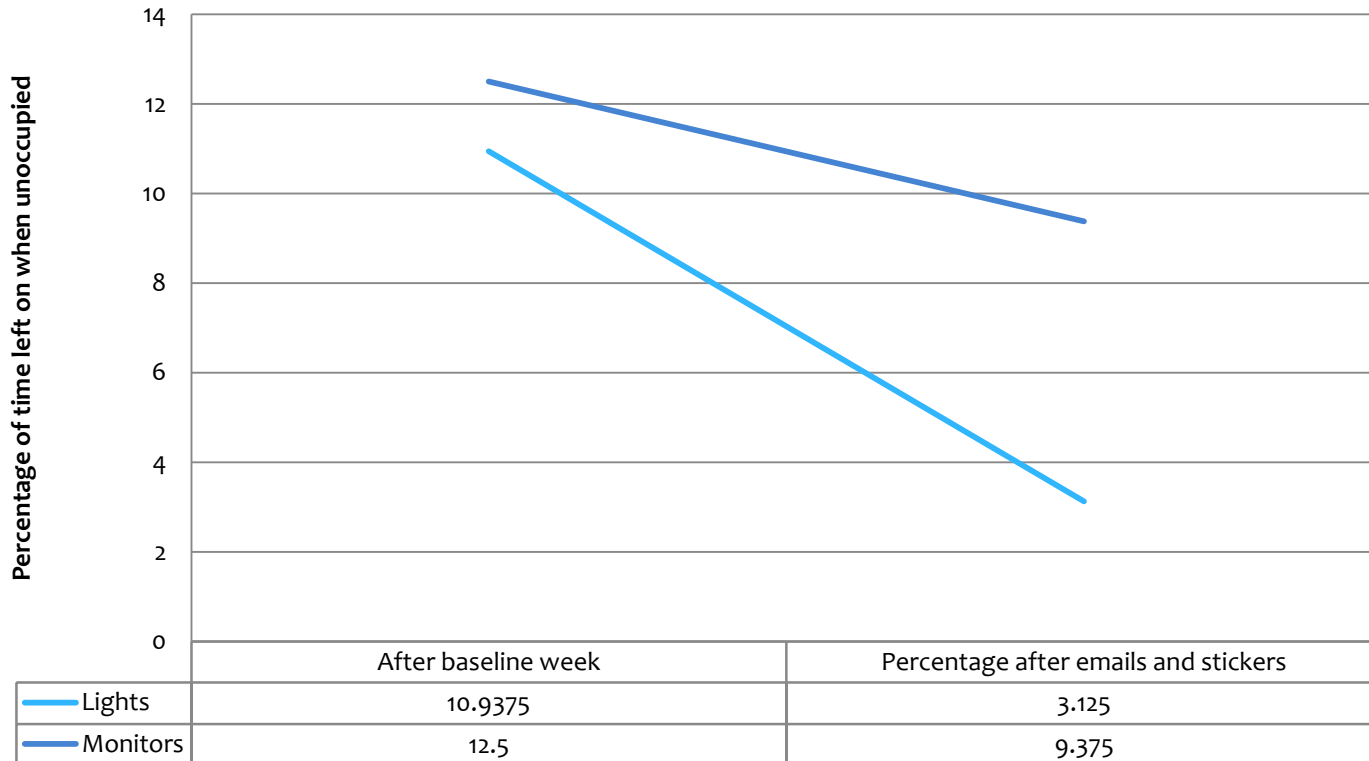
	After baseline week	Total AE week	Percentage after email and stickers
Lights	10.9%	11.72%	3.13%
Monitors	12.5%	8.33%	9.38%
Both	11.7%	10.03%	6.25%

Conservation Challenge



Conservation Challenge

Conservation Challenge Data



Library Energy Savings Challenge

- * The Irving Schwartz Branch library, the 1st place winner, reduced their energy an average of **19%** compared to last year
- * Cielo Vista Branch won second place with an **18%** reduction.
- * The challenge involved identifying ways to conserve energy, such as turning off unnecessary lights and setting computers and monitors to standby when not in use.
- * The energy reduced from this challenge resulted in a savings of over **\$21,000** for the City.

Fire Station Energy Savings Challenge

- * Our 1st place winner was Fire Station 29 with an overall energy reduction of **21%**
 - * The FS 29 Captain said it was just as simple as “turning off the lights”
- * All of the stations combined saved the City about **\$8,000** in energy costs.
- * Overall, **82%** of the fire stations reduced their energy usage from last year.

Fire Station Winner Video

* <https://www.youtube.com/watch?v=RVfIFWmKgKI>



“Flip the switch”

Energy Star Webinar

- * **Engaging Employees with Energy Treasure Hunts**
- * *Wednesday, April 23, 2014 at 1:00 pm EDT*
- * This ENERGY STAR Partner Web Conference will look at how the Merck and Hanesbrands energy programs have used “energy treasure hunts” to engage employees in finding no and low cost energy savings opportunities.
- * The link is on our Facebook page

Documents on the CD for YOU

* **Stickers for the Office**

- * Please turn off the lights (English and Spanish)
- * Please turn off the monitor (English and Spanish)
- * Reduce paper usage (English and Spanish)
- * These Come From Trees (Spanish)
 - * Can purchase the English version at <http://thesecomefromtrees.blogspot.com/> (HTML link is on CD)
 - * We were given permission to produce and share the Spanish version (for non-commercial reasons)

- * Photoshop (editable file) and JPEG

Documents on the CD for YOU

- * **Conservation Study**

- * Email Sent to All Employees for Energy Reduction Campaign
- * Overview of our Energy Conservation Study

- * **Reduce Fuel Consumption**

- * Driving Efficiently Presentation
- * Fuel Consumption Reduction Guidance Document

- * **Computer Policy**

- * Computer Energy Use and Power Management Policy
- * Shut Down Your Computer Every Night - US News
- * ENERGY STAR Computer Power Management Savings Calculator

- * **Sustainable Printing and Purchasing**

- * Paperless Guide (Courtesy of StopWaste.Org)
- * Sustainable Procurement Guidance Document

Documents on the CD for YOU

- * **Window Cling GBC 2013**
- * **GBC Scorecard**
- * **GBC Resource Guide**
- * **Participant Slide for Gala**
- * **This presentation (for your reference)**

Thank you!

* Questions?