

A glass globe with a world map inside, resting on a mossy surface in a lush green forest setting. The globe is the central focus, with the continents of North and South America visible. The background is a soft-focus forest with sunlight filtering through the trees, creating a warm and natural atmosphere.

Sustainability Committee

February 08, 2017

Cenergistic Updates

- Monthly Summary Update
 - Data
 - Recent Audit Activities
- Paper “Pledge”
- Sustainability Career Fair
- Sustainability Club
- Earth Month Activities

Monthly Summary Update

- Data is current through November for Grossmont

Commodity	Cost Avoidance	Cost Avoidance %	Use Avoidance
Electric	\$45,528	26.1%	228,236
Irrigation	\$3,755	52.6%	304
Natural Gas	\$5,174	34.8%	6,908
Sewer	\$3,030	31.8%	596
Water	\$1,925	16.0%	129

Activity	Notes
1. Semester HVAC scheduling for Grossmont <ul style="list-style-type: none"> • Intersession • Spring 2017 	By monitoring temperature trends in buildings we are able to determine precisely how much time it takes for a building to “come to temperature.” Through closely analyzing the occupancy schedules, and confirming through audits, we are able to determine which parts of each building need to be scheduled at certain times. We are also able to break buildings into different zones and stage the start times to save energy.
2. Inventoried, Analyzed and Reset outside air lockouts for building 51-55	Moved OA lockouts to 60 instead of 55 degrees after testing the new setting and confirming it did not negatively affect occupants.
3. Found that building 51 AHU was set to cool with less than 0.5 cooling requests during unoccupied times	Studied temperature trends for building 51 VAVs to confirm that during unoccupied times, throughout the summer months, indoor temperatures never go above unoccupied set points (they do not). Changed air handler programming from 0.5 calls for cooling to 5.0
4. Determined that the chilled water set point for building 53 chiller was locked at 42 degrees	This is the max low designed for the hottest days; changed to 55F.
5. Conducted static pressure study and reset for Grossmont Campus	Compared static pressure set points to design specifications. Started with changing building 70; testing, monitoring, and changing one at a time over the course of a few weeks starting with 80% of This becomes a seasonal adjustment when operating optimally.
6. Ongoing Tech mall comfort study. Found one VAV box to have been originally installed incorrectly.	During an EMS audit noticed that VAV 05-01’s damper position read 100% open, however, the max cfm cooling supply was 1800 and it was only getting 800cfm. This means that at 100% the box is not getting what it needs, although it is reading as satisfied. Explains the comfort complaints in this lab.
7. Found that the condenser water pump for building 53 is running when the chiller isn’t running.	Causation is not apparent in the logic, nor is it locked on manually; contact Sunbelt controls.
8. Through EMS audits with Cenergistic consultants realized that Grossmont does not actually have optimal start	The logic box in AL is labeled “Opt Start Inhibit” which has been assumed to be optimal start. Instead it is an auto start per hour.

Paper Consumption

- The US produced about 20,700,000 tons of paper last year
- This required cutting down between 55-110 million trees
- Of that paper, only 11,000,000 tons, or 53% is recycled
- Every ton of paper recycled saves more than 3.3 cubic yards of landfill space
- By recycling one ton of paper we save 17 trees, 7,000 gallons of water, and 463 gallons of oil
- Paper thrown away each year represents approx. 640 trees, or 915,000 acres of forest land destroyed

The Paper “Pledge”

Suggestion: recommendation from the Sustainability Committee that each member of the GCCCD community:

1. Be as “paperless” as possible
2. Recycle all paper products
1. Buy only 100% recycled paper from here on out

Draft Recommendation

- I. Grossmont-Cuyamaca Community College District recognizes the direct and dire relationship between consuming paper and negative effects on the environment and natural resources. Moving forward GCCCD encourages all members of the community to live as “paperless as possible,” recycle all paper products, and buy only recycled printing paper from here on out.
- II. From start to finish, the life cycle of paper products have a negative impact on the environment. Each year the US produces 20,700,000 tons of paper, which requires cutting down between 55-110 million trees. It is vital that paper be recycled. By recycling one ton of paper 17 trees, 7,000 gallons of water, and about 463 gallons of oil are not consumed. Annually only 53% of all paper, about 11,000,000 tons, is recycled; the rest is sent to a landfill. Paper thrown away each year represents approximately 640 million trees, or 915,000 acres of forest.
- III. Collectively, our GCCCD community is able to reduce our pollution and carbon footprint through reducing our consumption of paper. To do so we recommend the following:

Each member of the community try to be as “paperless” as possible, which includes:

- Refraining from printing whenever possible
- Take and store meeting notes digitally
- Use print preview to only print the pages you need
- Print and copy on both sides of the paper
- Post the syllabus and other documents electronically
- Use previously printed paper for scratch paper
- Send and receive faxes from your computer
- Print multiple images per sheet for PowerPoint slides
- Use black rather than colored ink (since it is easier to recycle)
- Use smaller margins on documents
- Before printing, remove blank pages
- Print in draft mode (it conserves ink)

GCCCD requests that each department considers and prioritizes ordering 100% recycled paper. The slightly higher fiscal cost is minimal compared to the drastically higher carbon and environmental cost of non-recycled paper. Through reducing volume of consumed paper each department should be able to manage the slightly more expensive cost of 100% recycled paper.

Finally, to practice saving paper at home, please consider the following suggestions:

- Use cloth napkins
- Use rags instead of paper towels
- Try to not use paper plates- use washable ones. If you NEED disposable plates, the rule is that paper ones are better than plastic ones.
- Use a handkerchief instead of Kleenex
- Use a whiteboard for lists/notes/announcements
- Buy bulk foods using your own reusable containers rather than buying supermarket boxed goods



[QUICK VIEW](#)

★★★★★ 10 Reviews

Office Depot® Brand EnviroCopy®
100 **Paper**, Letter Size **Paper**, 20
Lb, 100% Recycl...

Item 819303

\$11²⁹ / ream



5 reams

★★★★★ 14 Reviews

Office Depot® Brand EnviroCopy®
30 **Paper**, Letter Size **Paper**, 20 Lb,
30% **Recycled**...

Item 222202

\$30⁹⁹ / case



10 reams

★★★★★ 21 Reviews

Office Depot® Brand EnviroCopy®
100 **Paper**, Letter Size, 20 Lb, 100%
Recycled, FS...

Item 521980

\$61⁹⁹ / case

*A prospect for students and community members to
connect and engage with employers and explore career
opportunities in sustainability!*

Sustainability Career Fair



Friday, April 7, 2017

10 am to 2 pm

Grossmont College

8800 Grossmont College Drive

El Cajon, CA 92020

(Main Quad)

RSVP: Renee.Nasori@gcccd.edu

Sustainability Career Fair

- April 7th – Grossmont Quad – 10am-2pm
- Vendors:
 - SDG&E
 - Felix Water
 - Padre Dam
 - SD County of Education
 - San Diego Zoo
 - Energy Upgrade California
 - Grid Alternatives
 - Electrical Engineers Union
 - Solar Turbines
 - Port of San Diego

Sustainability Clubs

- **Grossmont:**
 - Meeting 2/8/17 with Academic Advisors
 - Planning for Grossmont Club/Activity Fair 2/15 recruitment
- **Cuyamaca**
 - Still looking for an academic advisor
 - Recruiting students

Earth Month – April 2017

- Wednesday 4/3/17: Launch in Grossmont Quad and Cuyamaca Central Park from 10am-1pm. Come learn about the impact of waste, this month's initiatives, and sign up for various WAM challenges!
- Tuesday 4/4: Film showing: Trashed in the **Griffin Gate at 6pm.**
- Thursday 4/6: Brown bag lunch and learn: where does waste go? The trash and recycling process in El Cajon. **Grossmont room:**
- Friday 4/7: Sustainability Career Fair, Grossmont Quad 10-2pm
- Tuesday 4/11: Brown bag lunch and learn: where does waste go? The trash and recycling process in El Cajon. **Cuyamaca room:**
- Wednesday 4/12: Film showing: Wasteland (2009). 7pm at **Cuyamaca room I-**
- Wednesday 4/12: Brown bag lunch and Learn: Shopping to create less trash! At **Grossmont**
- Thursday 2413 Film Showing: Plastic Planet (2009) **Griffin Gate**
- Tuesday 4/18 Workshop: Shopping to create less trash! At **Cuyamaca**
- Thursday 4/20 Film Showing: Wasteland (2009) at Cuyamaca Room I-
- Monday 4/24 Waste Awareness Month Wrap Up & Prizes at Cuyamaca
- Tuesday 4/25 Waste Awareness Month Wrap Up & Prizes at Grossmont
- Week of 4/24-4/28 Plastic Bottle Installation Art Display

