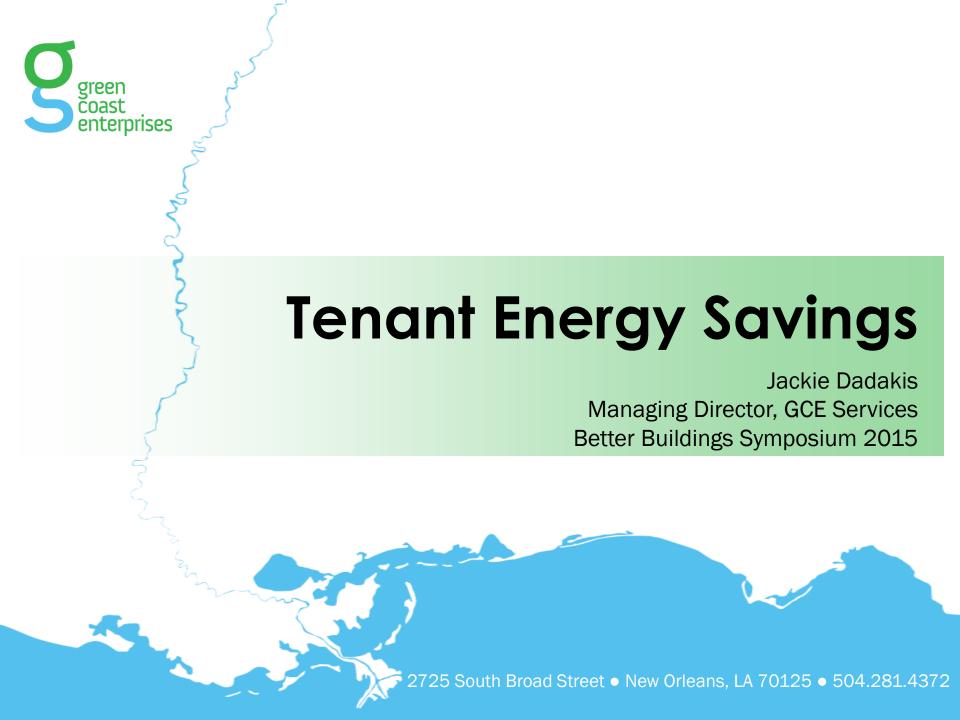


Using Technology to Engage Tenants and Save Energy







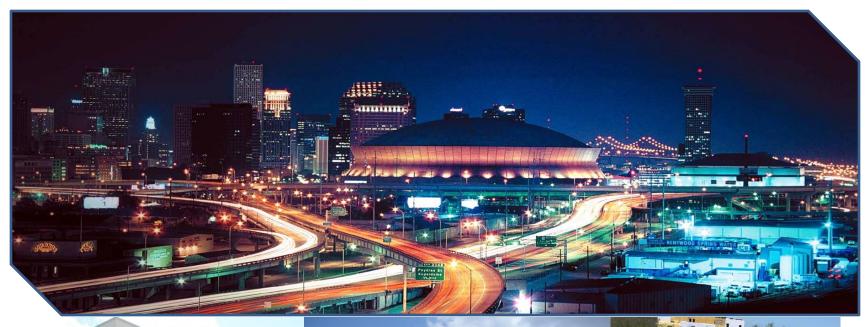
Who We Are







Who We Are







Markets Served





Certifications

We are qualified to help your building achieve one of the certifications below:



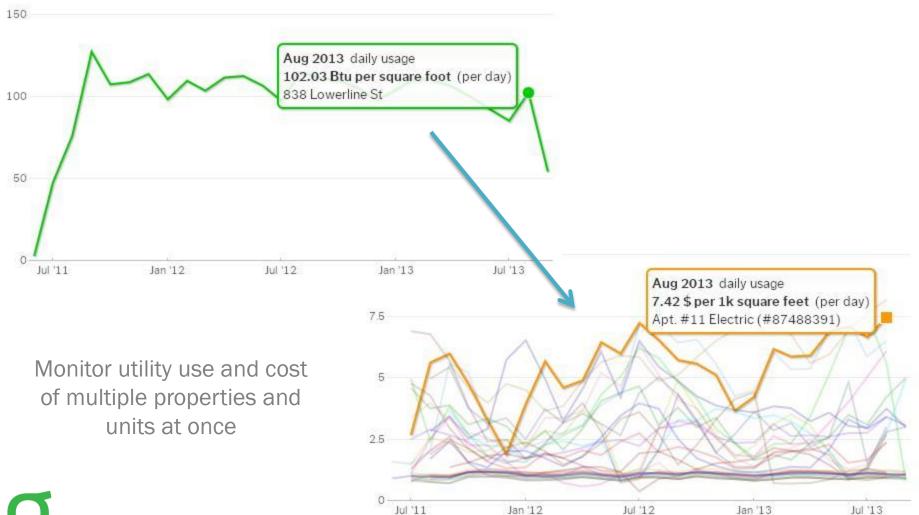






green

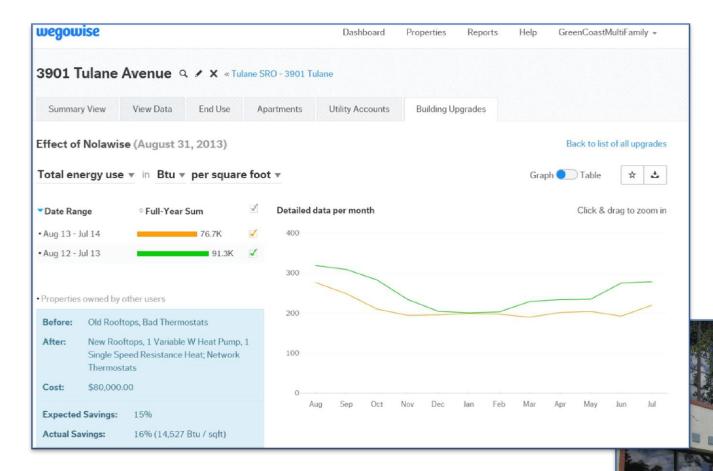
Benchmarking/Monitoring







NOLA Wise





Network Thermostat





Network Thermostat







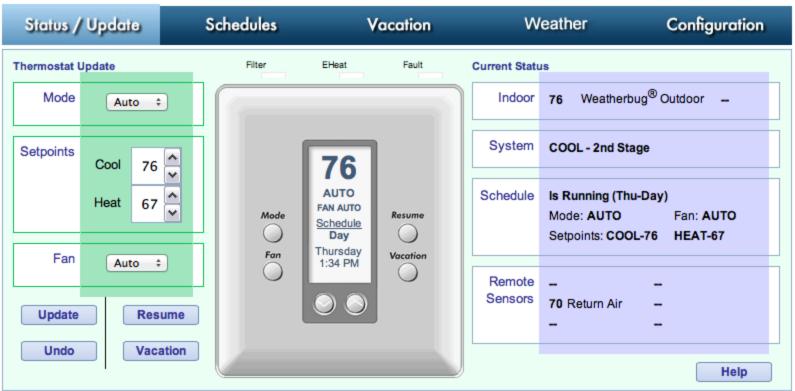




Network Thermostat



TUL-SRO-15T-CAR



View Full Mobile

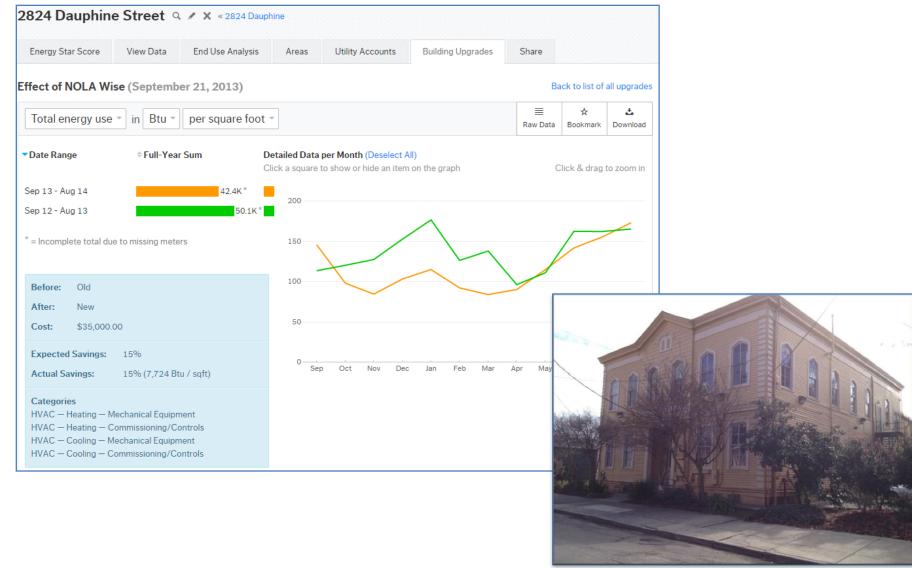


Cumulative Savings

	1801 Canal Street	3901 Tulane Avenue	212 South Gayoso Street	211 South Gayoso Street	5005 Constance Street	127 South Rendon Street	230 South Dupre Street	Total
Cumulative Savings Since NOLA Wise Intervention	\$11,780.15	\$ 8146.85	\$ 725.67	\$ 226.99	\$ 822.91	\$ 890.02	\$ 891.75	\$ 23,484.873



NOLA Wise





Current Cost Meter



Pros

- Low Cost, simple installation, wireless transmitter/display
- Direct to internet connection w/ dashboard
- Low cost: \$129/point (potentially lower)

Cons

 Limited accuracy, primarily UK product, intended for residential use, poor user support in USA



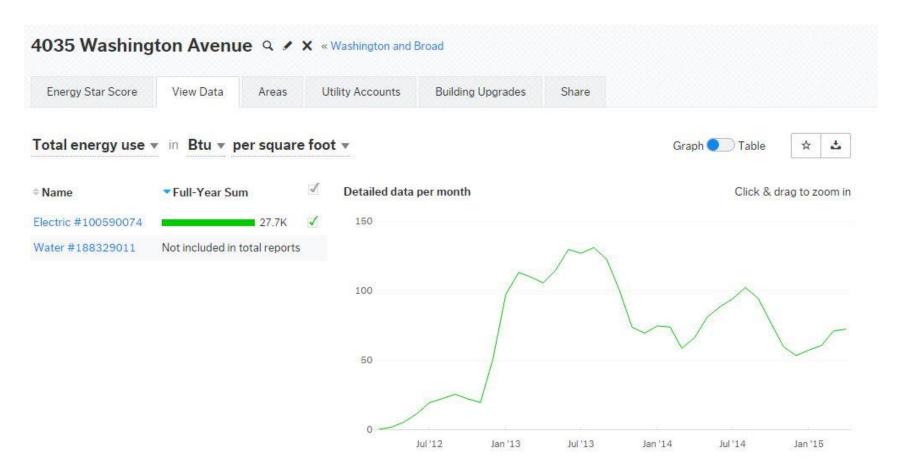
Who We Are







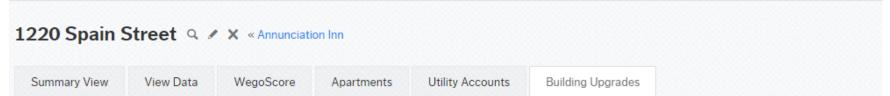
Current Cost





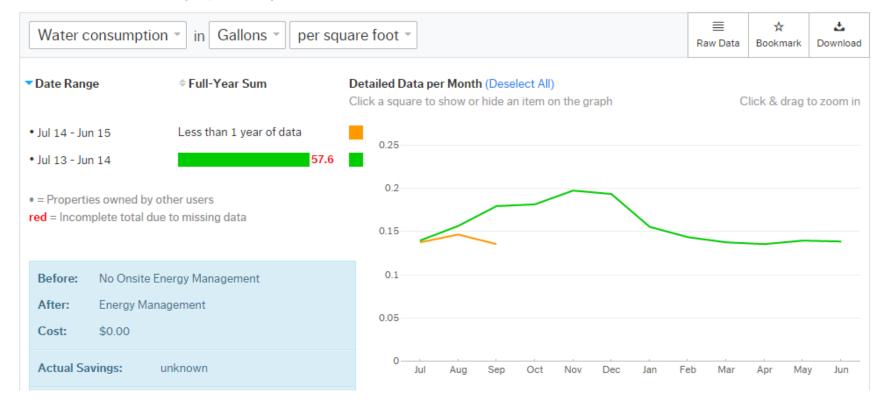
Tenant Behavior

Dashboard Properties Reports Help GreenCoastMultiFamily ~



Effect of GCE Services (July 2, 2014)

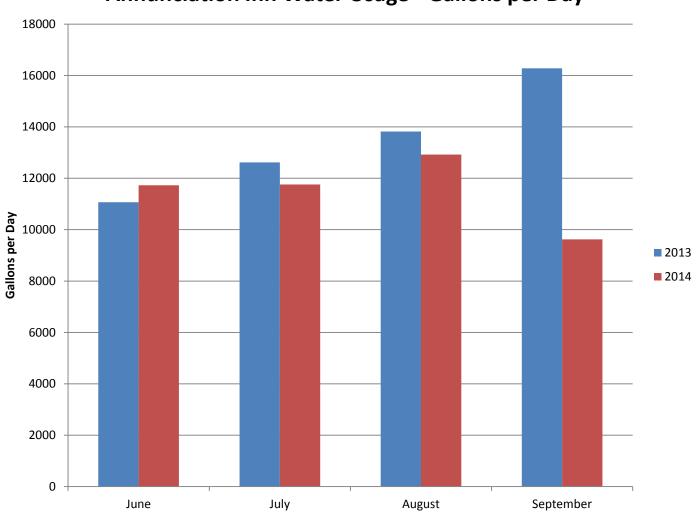
Back to list of all upgrades





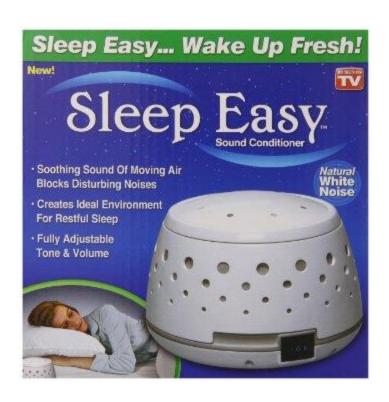
Tenant Behavior

Annunciation Inn Water Usage - Gallons per Day





Tenant Behavior





Make the right choices

"I wish our construction side would tells us options instead of just focusing on cost savings. I would have rather spent an extra \$300k on the construction of this building to get better equipment than have to fix it now through the property management budget.

- Kelly Parenton, Property Management, Gibbs



Thank You!

Jackie Dadakis

Managing Director, GCE Services

Green Coast Enterprises

New Orleans, LA

Jackie@greencoastenterprises.com





The University of Utah's Web-Based Energy Behavior Change Tool

Jeff Wrigley Energy Manager University of Utah Facilities Management

May 28, 2015



Behavior change programs are not new at The U

- Green teams (fading away)
- Building scheduling (ongoing, but not "behavioral")
- "It's Good to Shut the Hood"

20% by 2020, 3 keys to success:

- 1. Improvements/Retrofits
- 2. Tune Ups/Retrocommissioning
- 3. Behavior Change

Time for a change



2014 RFP for behavioral consultant services

Non-specific scope

- Communication
- Engagement

Support savings in buildings with projects

- Skaggs Biology Research Building
- Biology Building
- Henry Eyring Chemistry Building



Winning Proposal

Combined team

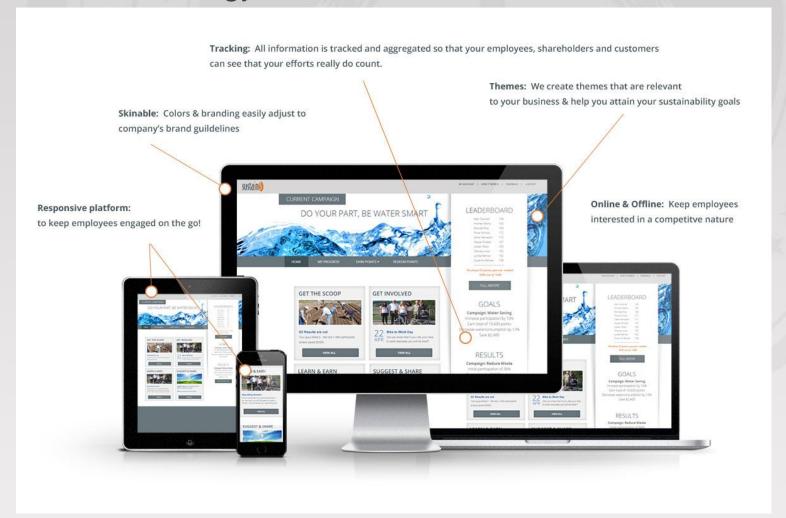


Their strategy:



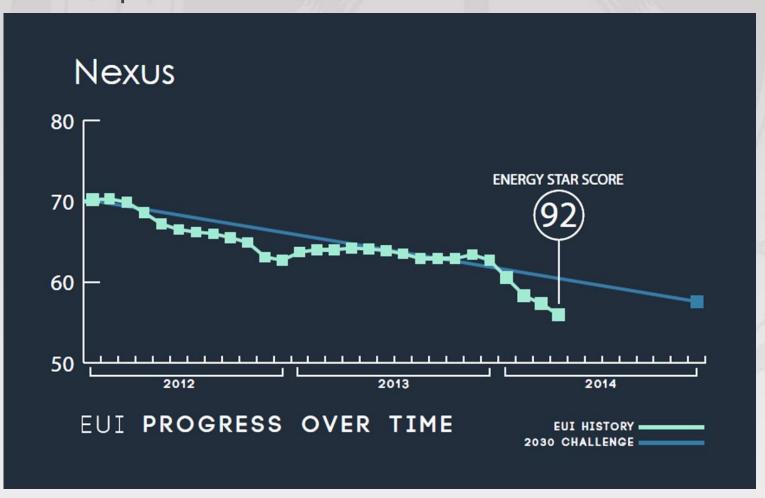


Their technology:



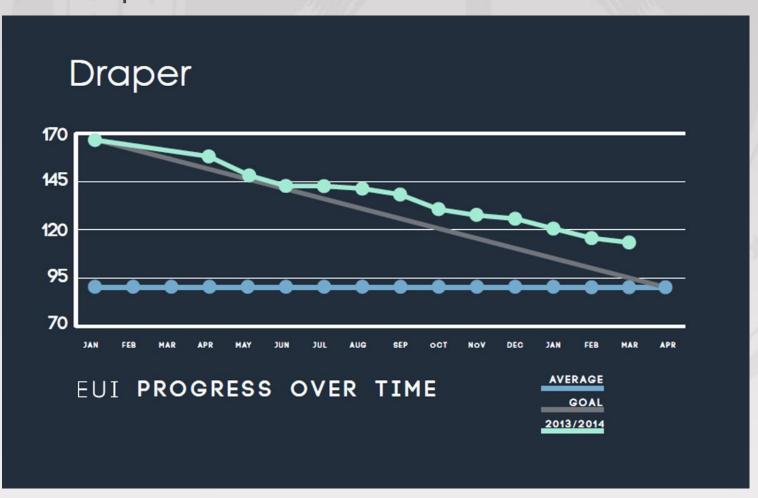


Their experience:





Their experience:





Our Program

Not just a web application

- Benchmarking and data logging
- Occupant steering committee
 Give occupants control
- Tabling events
- Brown bag educational events
- Marketing (banners, posters, cards)
- Focus groups



Our Program

College of Science input

- Offer program to entire College
 8 primary buildings + parts of others
- Yearlong competition between 4 departments Biology, Chemistry, Physics & Math
- Data!!! (sorry ⊗)
- College focus group named program





computers MATTER printers MATTER lights MATTER thermostats MATTER fume hoods MATTER behaviors MATTER people MATTER







YUMATTER

Sign up. Take action. Save energy.





Every kilowatt of energy that is wasted on campus depletes our limited supply of natural resources, pollutes the air we breathe, and drives up University expenses.

Did you know?

- The U has a goal to reduce on-campus energy use 20% by 2020
- Buildings are responsible for 40% of all U.S. energy use
- At the U, buildings are responsible for 75% of campus carbon footprint
- Discretionary energy use of occupants may reach 50% of building energy use

The choices we make as building occupants have a significant impact on building energy use. In other words, **you matter**.

Participate at youmatter.utah.edu





youmatter.utah.edu



LEARN

Learn how to contribute to University of Utah's sustainability success through entertaining videos, engaging games and interesting articles.

Bonus: Learn new habits that will save you money at home!

| Facility | Facility

Change your habits...

CONTRIBUTE

Join your colleagues in events and teams to work on projects to improve University of Utah's carbon footprint.

Bonus: Improve your environmental impact!



Watch your progress!

Join today!

EARN VALUABLE PRIZES

Earn points as you participate and contribute to the program and redeem



Earn Rewards



Home Screen



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* EARN POINTS

SHARE

NEWS

A PROGRESS

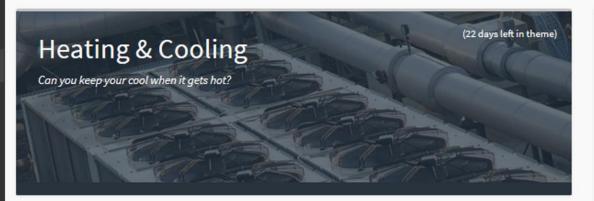
9 HOW IT WORKS

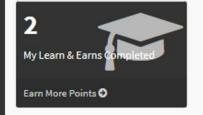
THEMES

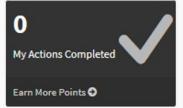
SUPPORT













Leaderboard							
Paula Tooman	2670						
Deni Morrison	2620						
Ajara Rahman	2530						
Kurt Vanness	2510						
James Gossell	2505						
John Gipson	2490						
Suman Singh	2485						



Teams

Name	Members	Team Score 6 HOW SCORING WORKS	Rank	Eligible Users
Mathematics	234	132	1	673
Chemistry	263	114	2	713
Biology	353	94	3	1457
Physics & Astronomy	73	19	4	611



Learn & Earns



Energy Use in the Built Environment

How much influence do you have on building energy use?

12/01/2014 12:30 PM



Understanding Energy Efficiency

What does energy efficiency really mean?

11/19/2014 09:00 AM



Secondary Energy

Energy is only as useful as the form it's delivered in.

11/08/2014 11:47 AM



Electricity in Utah

More than 80% of Utah's electricity comes from coal.

11/08/2014 11:40 AM



Actions



Anchor an Action

If you'd like to build new habits that conserve resources, anchoring will help.

12/10/2014 01:15 PM



Suggest Uses for the YouMatter Cash Awards

Make suggestions for potential uses of the YouMatter cash awards by your department.

12/03/2014 03:23 PM



Ride Alternative

Ride the rails, bike, or carpool to campus at least one time this week.

12/03/2014 02:58 PM



Point Out a Barrier to Action

Help us identify barriers to action in lab environments, so we can help you break

Home Screen







Douglas Cornwall 2465



Zach Niemeyer 2415



Emily Witt 2340

You have 30 total points.

You are ranked 0 out of 939



News



YouMATTER: Competition Results, Awards & Recognition

It's time to reflect on the year and celebrate!

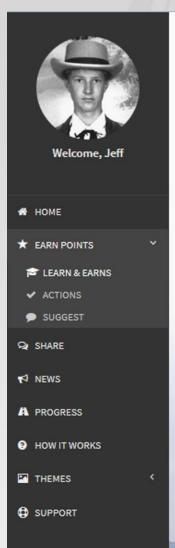
05/04/2015 10:39 AM



EPA and The Nature Conservancy partnering on Earth Day Nature Selfie

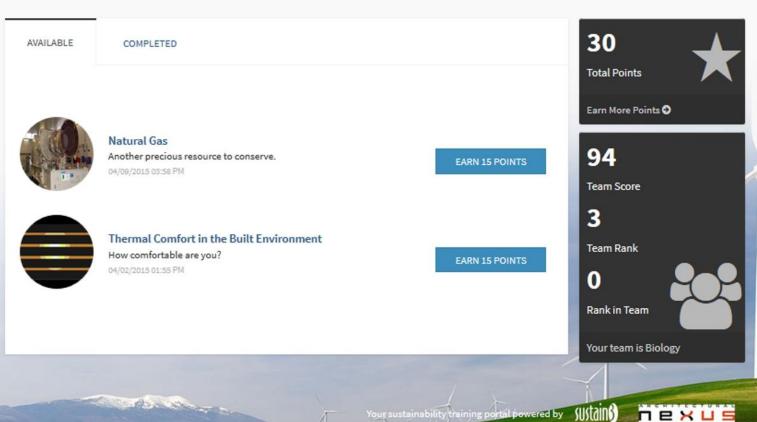


Learn & Earn















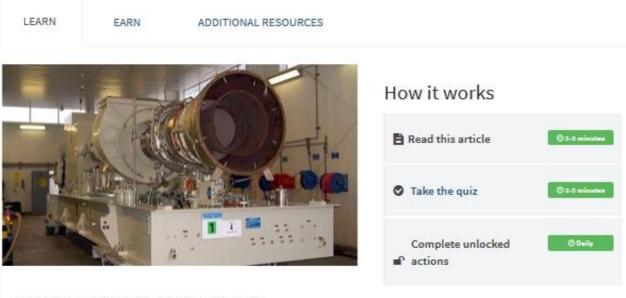


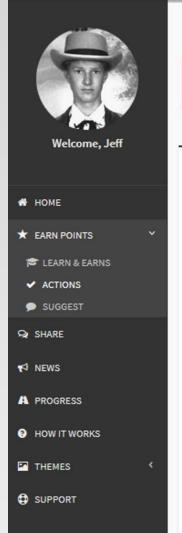
Photo: The U's Cogeneration Turbine & Generator

Natural gas is colorless, tasteless, and odorless and the pungent smell we associate with it is actually a highly sulfuric additive to help us detect it and prevent danger. But even though we don't often come into contact with its physical state, natural gas fuels our homes and vehicles, cooks our meals, heats our water, and is used to produce steel, glass, paper, clothing, and electricity, among other things. It is even hidden in many of our everyday products including paints, fertilizers, plastics, dyes, and medicines. But what actually is natural gas, what are the implications with its production, and what does it mean for me as a Utah resident and as part of the U's campus community?



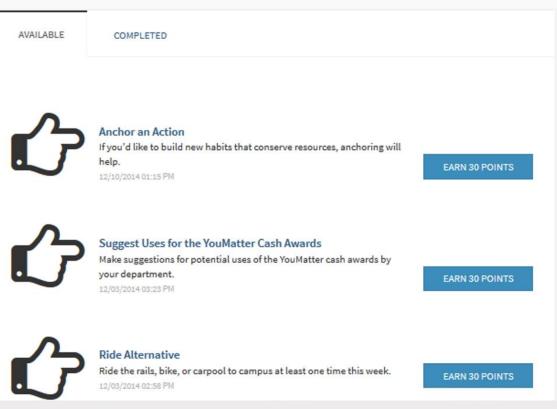


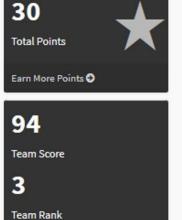












Rank in Team

Your team is Biology



Learn & Earn Quiz





LEARN EARN

Complete this quiz to earn your points!

Heating and cooling our buildings accounts for more than [BLANK] % of our energy use in the United States.

65

22

17

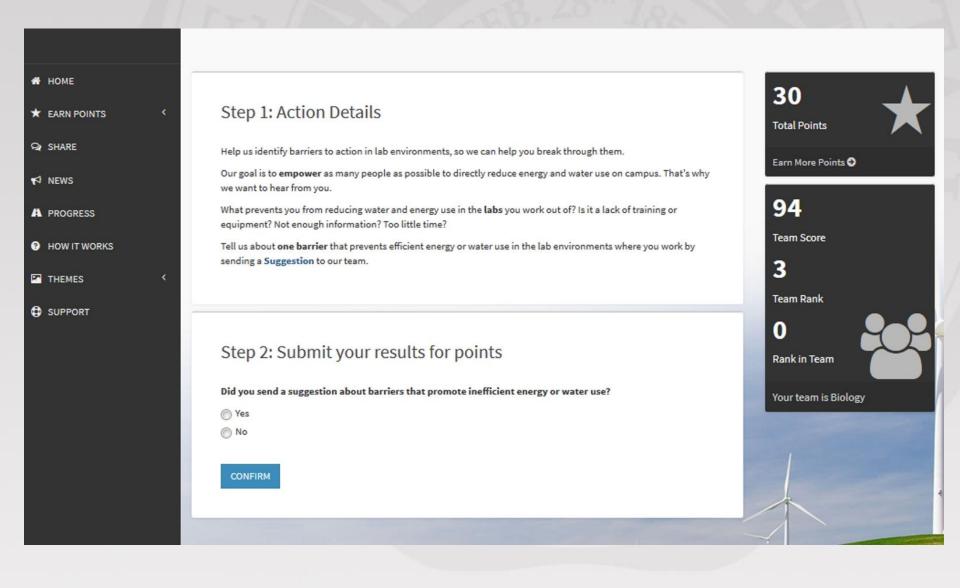
@ 38

84 (

30 **Total Points** Earn More Points 3 94 Team Score 3 Team Rank Rank in Team Your team is Biology

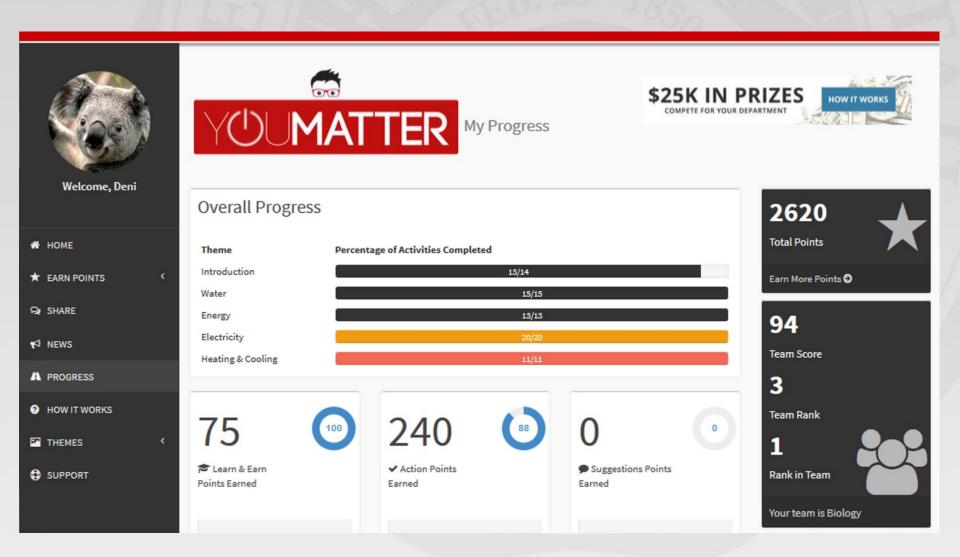


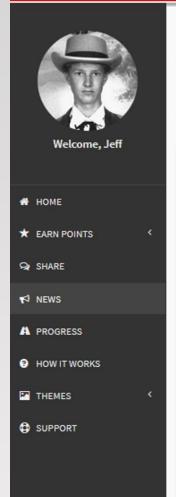
Actions





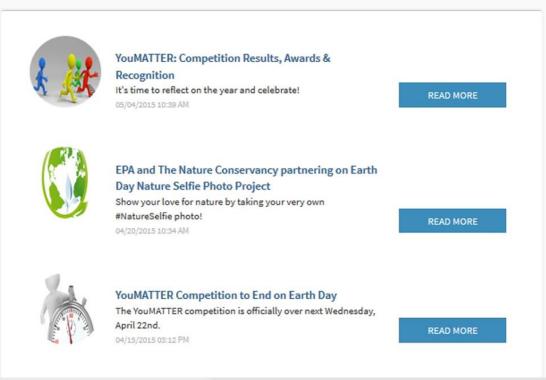
Competition

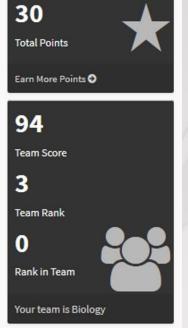






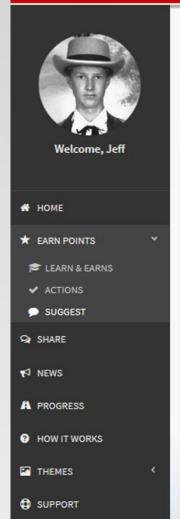








Suggestion Box







SUGGEST SUSTAINABILITY IDEAS

MY SUGGESTIONS

The Suggestion Box

YouMATTER isn't about providing a one-way source of information. It's about creating conversation so we can learn from one another.

That's why we've created the YouMATTER Suggestion Box. This is where you can share your suggestions for energy saving actions and conservation initiatives with the YouMATTER team.

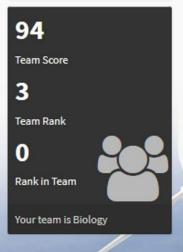
When you drop a suggestion in the box, our team will review it to see if your idea can be implemented in the near future.

You'll be awarded 10 points for the first 3 suggestions you make each month. After 3 suggestions have been made, you can submit additional suggestions during the month for no points.

**NOTE: For technical inquiries, such as problems with the site (bugs, password problems, site rendering problems, etc.) or ideas to improve it, please visit the support page.

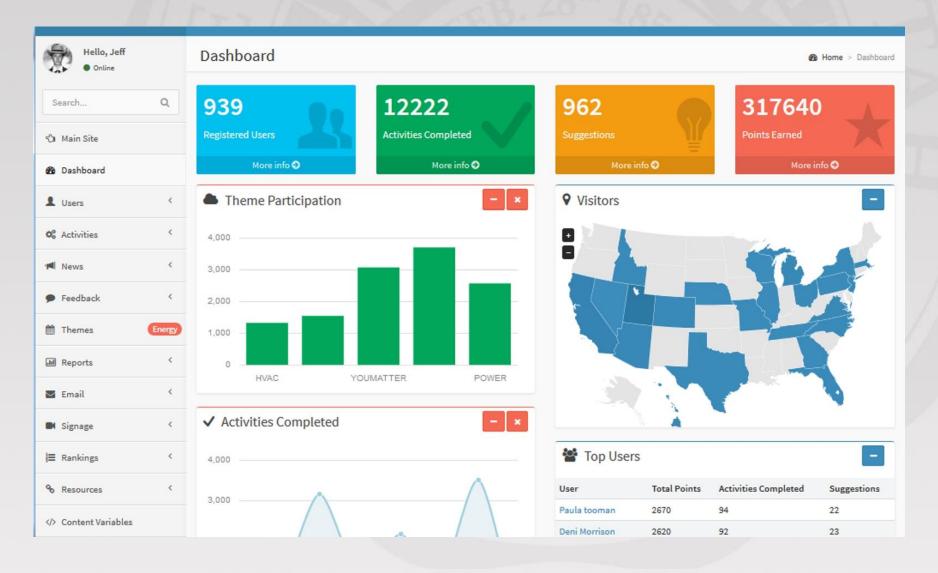
Details of Suggestion







Admin Tools/Reports





Suggestions & Comments

Recent Suggestions



Kurt Vanness

@ 05/05/2015 12:18 PM

I also noticed that about a week ago I saw the sprinklers in front of the president's office running despite the fact that it was raining and continued to rain for most of the day. There should be a way for the campus to have the sprinklers stay off when a good rain comes through.



Kurt Vanness

This was a good program and sh



Georgia Sinimbu Silva

How about the U establish the '

All Suggestions

Recent Comments



Kurt Vanness

@ 04/16/2015 04:22 PM

According to the Progress page I have 2 uncompleted Electricity

Activities but there are no uncompleted activities when I go to the

Electricity theme. I think it's keeping me from getting the points for
activities completed.



Kurt Vanness

@ 04/04/2015 05:29 PM

The progress page says I have two uncompleted activities under energy but then when I go to the energy theme there are no activities for me to complete.



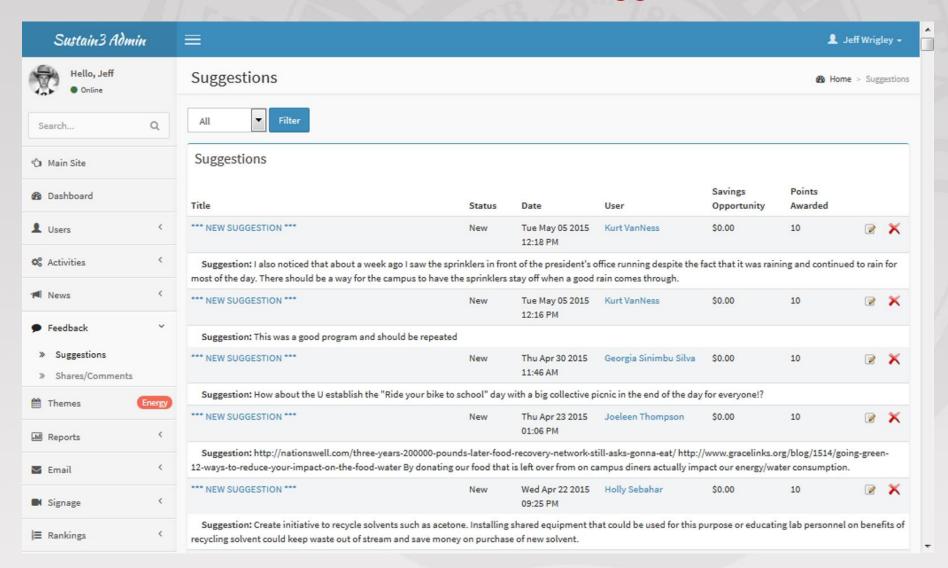
Spencer Streeter

@ 02/12/2015 02:54 PM

All Comments



Suggestion Dashboard





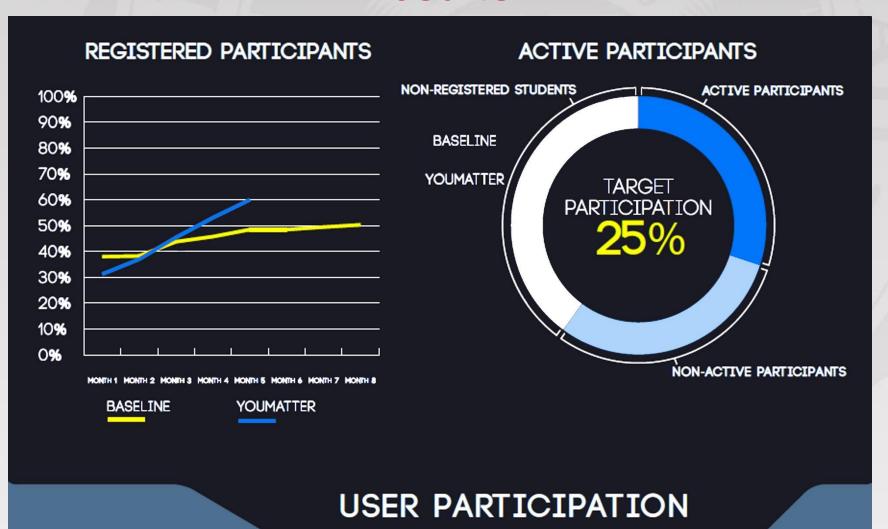
Results

Program ended April 22, 2015 (Earth Day)
Winner! Math (132 team points)

- 930 participants
- 12,200 completed activities
- 950 suggestions
- 375,115 individual points earned
- Meter data was inconclusive (as expected)

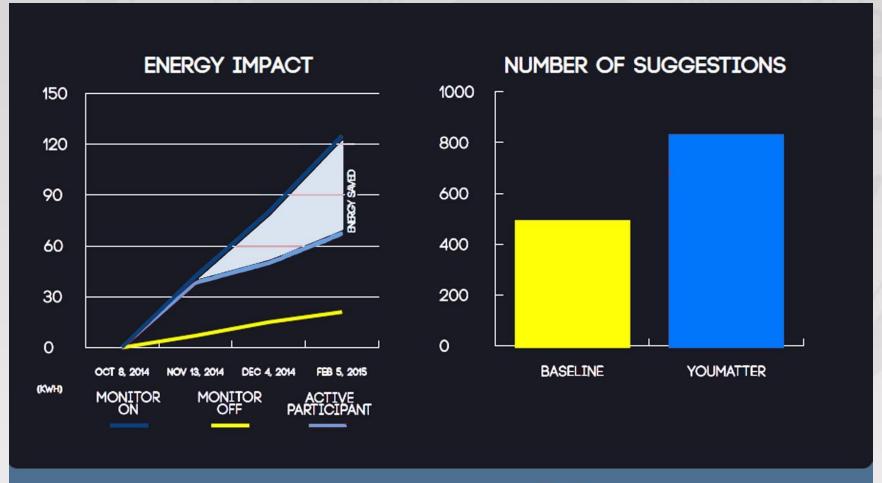


Results





Results





What Worked

- Competition
- Meaningful content
- Suggestions/Feedback
- Identify energy champions in the buildings
- Established relationships and communication with building occupants
- Energy reduction
- Spin-off projects

Lighting

Refrigerator replacement assistance



What Didn't Work

Lessons learned

- Consistent steering committee
- Build relationship with users first
- Focus on manageable groups (turns out we were right!)
- Data!!!!!!!!
- Social Media
- Suggestion Format (open vs. closed)
- Shorter competitions with more frequent rewards
- Varied competitions
- Individual rewards



What's Next

YouMATTER round 2: Art & Architecture

- One building/complex
- 2 entities

Possible changes in round 2:

- Funding for peer educators program and publicity materials
- Funded intern to act as liaison for planning and activities
- Classroom integration



Thank you!!

Jeff Wrigley, Energy Manager
University of Utah Facilities Management
jeff.wrigley@fm.utah.edu
801-587-9556