

Archive of UC Sustainability News Articles

UPDATED: 11/15/2011

Note: This is not a complete list. If you know of articles that are not included on this list, please send them to andrew.coghlan@ucop.edu for posting

UC San Diego

10/18/2011: UCSD students partner with SDSU students on LEED-EBOM project

The new San Diego State University U.S. Green Building Council (USGBC) student chapter is collaborating with University of California, San Diego students to pursue LEED Gold certification for an aquatics center that is jointly owned by the two universities. The center has undergone upgrades including the installation of enough solar photovoltaic panels to support 100 percent of its energy needs. Students are working on an audit of the center's conditions, which they will present to USGBC.

http://newscenter.sdsu.edu/sdsu_newscenter/news.aspx?v=print&s=73203

10/2011: UCSD Transfer Student Housing earns LEED Gold

"As of September 27, The Village East Transfer Student Housing community is officially certified LEED Gold! Part of the certification is due to some unique sustainability features, such as water efficient landscaping, glazed architecture (for less heat transmittance), LED site lighting, the use of prevailing winds, and one of the largest Solar Hot Water heating installations in Southern California, enough to keep the hot water running for over 800 residents."

<http://hdh.ucsd.edu/whatsnew.asp>

<http://orchidsandonions.org/2011/05/9/the-village-torrey-pines-east>

9/12/2011: Green Fleet "Sustainability All Stars" Richard Battersby (UCD) and Jim Ruby (UCSD)

Battersby has 25 years of experience in the fleet industry with 15 years in alternative-fuel vehicles, including the implementation of the first ever alternative-fuel vehicle program for Airborne Express freight company, the EV Sacramento program, and the State of California CNG and hybrid electric vehicle expansion programs. He is responsible for fielding over 2,500 alternative-fuel and advanced-technology vehicles, and was involved in the design and construction of numerous alternative-fuel and EV charging stations throughout California. Richard has spoken frequently on clean air vehicle grant funding at industry events, and, in the past two years, has participated in the successful award of \$10.9 million in clean air vehicle project funding. He has also served as the Coordinator for the East Bay Clean Cities Coalition since 1996 and currently Chairs the ARB Advisory Council for the National Association of Fleet Administrators (NAFA) and sits on the Steering Committee of the Bay Area EV Strategic Council.

Ruby brings 30 years of industry experience to direct the operation and maintenance of over 800 campus vehicles. Under his guidance, UCSD has procured more than 50 hybrid-electric cars and has converted more than 40% of the campus fleet to Zero Emissions Vehicles. He led the conversion of the University's diesel fleet to use ultra-low sulfur B-20 biodiesel. He developed and implemented the plans for UCSD's Alternative Fuels Station. During his tenure as fleet manager, UCSD obtained the UC/CSU Best Practices award for its Electric Vehicle program and has been recognized by California EPA as a Model Pollution Prevention Vehicle Service and Repair Facility. UCSD has received the San Diego Excellence in Energy Efficiency award for Sustainable Transportation Program.

http://www.greenfleetmagazine.com/article/50622/40-sustainability-sluggers-first-ever-all-star-awards?ref=Enews-GreenFleet-20111004&utm_source=Email&utm_medium=Enewsletter

8/17/2011: Sierra magazine ranks four UC campuses among the Top 10 Greenest Colleges in America

Four UC campuses are among Sierra magazine's [Top 10 Greenest Colleges in America](#) for 2011, highlighting the University of California's commitment to [sustainability](#). [UC San Diego](#) was third, [UC Irvine](#) sixth, [UC Santa Cruz](#) seventh and [UC Davis](#) eighth on Sierra Magazine's fifth annual rankings. Also making the list were UCLA at No. 15 and UC Santa Barbara at No. 72. UC San Diego jumped to third from 15th in last year's rankings by Sierra

magazine, the flagship publication of the Sierra Club, one of the nation's most influential environmental organizations. The campus was recognized for environmental practices, green initiatives and its caliber of sustainability-oriented education. "Being green is part of our institutional DNA," said UC San Diego Chancellor Marye Anne Fox. "This ranking reflects the commitment, planning and hard work of our students, faculty and staff to implement sustainable solutions which will create a better future for us all."

See the [full Sierra rankings](#).

<http://www.universityofcalifornia.edu/news/article/26131>

UCSD release: http://ucsdnews.ucsd.edu/newsrel/general/2011_08ucrank.asp

UCSC release: <http://news.ucsc.edu/2011/08/sierra-club-cool-schools-UCSC-recognition.html>

Business Week article:

http://www.businessweek.com/bschools/blogs/mba_admissions/archives/2011/08/the_sierra_club_ranks_cooler_schools.html

7/5/2011: Press release on UCSD Chancellor's retirement announcement cites her sustainability leadership

Under her leadership, UC San Diego has become one of the greenest campuses in the nation and is now a living laboratory for climate change research and solutions. The campus self-generates 85 percent of its power needs, mostly from non-renewable natural gas, and is now focusing on renewable energy projects. The campus soon will have more than 2 megawatts of solar photovoltaic capacity, as well as a 2.8-megawatt fuel cell that will convert waste methane gas directly into electricity. Researchers are also investigating more efficient photovoltaics, renewable fuel sources and energy storage, and the campus has established a Sustainability Resource Center; added new green majors, courses and internships; and mandated that all new buildings be designed to meet stringent sustainability standards.

<http://www.universityofcalifornia.edu/news/article/25881>

6/21/2011: Potent Greenhouse Gas Eliminated from Routine Safety Test at UC San Diego

In an important environmental victory, UC San Diego and the University of California Office of the President have persuaded state regulators to drop a requirement that UC campuses use a potent greenhouse gas in a required laboratory safety test.

<http://www.labmanager.com/?articles.view/articleNo/4800/article/Potent-Greenhouse-Gas-Eliminated-from-Routine-Safety-Test-at-UC-San-Diego>

6/2011: UCSD featured in roundtable on: "Green Living: Why Invest in a Deep Green Residence Hall?"

"How do you get that positive press for your campus?...housing programs are the supporting cast for the real stars, which is the academic enterprise. So if we can be a good supporting cast and show the academic enterprise that we are contributing to their success that is a huge payback. Do you see it in dollars? Not necessarily. But someone could walk in the door, in my case, and a donor did come forward and put up \$7 million for naming the building, which was not there until that building came along. That is a huge contribution to this campus, that I feel like we did, and primarily they wanted it to be there because it is a sustainable building...Five years ago, I said, Is this thing going to really get any legs? Now I am looking around, going, Wow, this is easy."

http://campuslifeservices.ucsf.edu/upload/sustainability/files/05_11_Sust_Journal_Why_build_deep_green_residence_hall.pdf

5/27/2011: [U California San Diego Boosts Solar Energy Portfolio](#)

The University of California, San Diego has partnered with Sullivan Solar Power for the installation of an 830-kilowatt solar project. Part of a \$3.53 million project made possible with a \$1.2 million rebate from the California Initiative and low-interest federal Clean Renewable Energy Bonds financing, the panels will boost the university's solar energy capacity to two megawatts and increase the total campus renewable energy portfolio to nearly five megawatts.

See also: [List of Campus Solar Installations](#)

5/20/2011: UCSD is first STARS Gold rated university in California

UC San Diego has been named the first college or university in California and one of only 10 campuses in the United States and Canada to earn a gold sustainability-performance rating in a prestigious annual survey. This gold

rating attests to the collaborative efforts made by our students, staff, faculty, and community members to pioneer sustainable solutions, said UC San Diego Chancellor Marye Anne Fox. In the six years since I declared sustainability a top educational priority and goal of all campus operations, UC San Diego has been transformed into a living laboratory of sustainability solutions. From economics to mechanical engineering, academic departments have incorporated sustainability concepts into majors, minors, internships, classes and a wide range of research experiences.

<http://ucsdnews.ucsd.edu/newsrel/general/05-20-11GoldStars.asp>

5/10/2011: U California San Diego Receives \$1.4 Mil for Energy Research

The University of California, San Diego has received a \$1.4 million grant from the California Energy Commissions Public Interest Energy Research. The funding will accelerate the development and deployment of renewable energy technologies for Californians. The university plans to boost solar forecasting research, support the development of solar powered electric vehicle charging stations and solar integrated energy storage systems on campus, and improve information technology architecture with grid operators.

4/25/2011: UCSD Chancellor recognizes 10 individuals and groups for sustainability efforts

Chancellor Marye Anne Fox recognized five individuals and five departments Friday at The Loft for helping advance UC San Diego's sustainability goals during the campus's 2011 Sustainability Awards, which are part of Earth Week. The campus aims to make sustainability part of UCSD's ongoing education, research, planning, operation and outreach programs. Click below for a list of the award winners and a brief description of their accomplishments.

http://ucsdnews.ucsd.edu/thisweek/2011/04/25_SustainabilityAwards.asp

4/24/2011: Campus to See More Green Certified Buildings

As part of the campus commitment to sustainability, UCSD is currently planning and constructing 19 buildings to qualify for Leadership in Energy & Environmental Design certification.

“All-new construction on the UCSD campus will meet, at minimum, LEED Silver certification, which encourages and accelerates global adoption of sustainable green building and development practices,” UCSD spokesperson Rex Graham wrote in an email.

Because of this, Graham said the campuswide per-square-foot consumption of water has decreased over the past four years from 56 to 53 gallons per square foot.

<http://www.ucsdguardian.org/news/campus-to-see-more-green-certified-buildings/>

4/20 - 21/2011: UCSD hosts Green Open House plus Earth Week activities

They planted trees. They learned how to compost. They found out about the many fair trade offerings at UC San Diego. Many members of the campus community turned out for Earth Week celebrations all over campus last week. Organizers are encouraging students, faculty and staff members to own their impact on the environment, said Kristin Hansen, a sustainability analyst and one of the weeks key organizers. She said she also hopes that members of the UCSD community realize that they dont have to make dramatic changes to their lifestyle to be green. Simple steps taken every day can have a big impact, Hansen said.

http://ucsdnews.ucsd.edu/thisweek/2011/04/25_EarthWeek.asp

La Jolla Patch: <http://lajolla.patch.com/articles/celebrate-mother-earth-at-ucsd-green-festival>

San Diego County News: <http://www.sandiegocountynews.com/2011/04/15/ucsd-kicks-off-earth-week-celebration-with-green-open-house/>

XETV morning news, April 21:

<http://www.criticalmention.com/report/10409x211434.htm#>

XETV News at 10, April 21:

http://www.criticalmention.com/components/url_gen/play_flash.php?autoplay=1&clip_info=1962669116%7C0%7C59%5E

XETV morning news, April 21:

http://www.criticalmention.com/components/url_gen/play_flash.php?autoplay=1&clip_info=1963405797%7C0%7C59%5E

KUSI morning news, April 21

http://www.criticalmention.com/components/url_gen/play_flash.php?autoplay=1&clip_info=1963233215%7C0%7C59%5E

KUSI news at 10, April 20:

http://www.criticalmention.com/components/url_gen/play_flash.php?autoplay=1&clip_info=1962708140%7C0%7C59%5E

KUSI 6:30 p.m. news, April 20:

http://www.criticalmention.com/components/url_gen/play_flash.php?autoplay=1&clip_info=1962401117%7C0%7C59%5E

Fox 5 morning news at 6 a.m., April 20:

http://www.criticalmention.com/components/url_gen/play_flash.php?autoplay=1&clip_info=1961648811%7C0%7C59%5E

Fox 5 morning news at 9 a.m., April 20:

http://www.criticalmention.com/components/url_gen/play_flash.php?autoplay=1&clip_info=1961646142%7C0%7C59%5E

4/13/2011: UCSD to show how to be green

The University of California San Diego is rolling out the green carpet Saturday to show off campus sustainability efforts. The daylong event includes music, tours, electric cars and even Chancellor Marye Anne Fox's glowing pickle trick for the kids. There's also a beer garden and an electronic-waste recycling event. "It's the final event in our 50th anniversary celebration," said UCSD spokesman Rex Graham. The focus on doing more with less is no accident, he said. Sustainability drives research by scholars into cutting-edge technology, plus big changes in the way that the campus is run, including uber-efficient dorms and high-tech energy management. "It's become one of the campus' top priorities," he said.

<http://www.signonsandiego.com/news/2011/apr/13/ucsd-to-show-how-to-be-green/>

2/28/2011: U California San Diego Sustainability Center Earns LEED Gold

The University of California, San Diego has earned its fifth LEED-certified building project with the recent LEED Gold certification of its new Sustainability Center. Many of the sustainable features are student ideas, including reclaimed wood, metal building materials and a recycled cardboard table that looks like a hardwood table. The building's ceiling lights are directly powered by solar panels.

2/17/2011: New UCSD Apartment Utilize Passive and Active Renewable Energy

UCSD has unveiled new [environmentally friendly campus apartments](#) for transfer students starting in fall 2011. Aligned to capitalize on wind and solar rays, the building's plaster, paving, carpet and metal studs are made with recycled materials and the residents will bathe with solar-heated water.

1/31/2011: City's collaboration could pioneer energy solutions

San Diego could pioneer how plug-in cars are integrated into the electric grid under a collaboration announced Monday.

The effort unites city officials with professors at the University of California San Diego, technicians at San Diego Gas & Electric, researchers at General Electric and business people with CleanTech San Diego.

<http://www.signonsandiego.com/news/2011/jan/31/san-diego-collaboration-could-pioneer-energy-solut/#>

12/07/2010: U California San Diego to Construct 2.8 MW Fuel Cell

The University of California, San Diego has begun the construction of a 2.8-megawatt fuel cell as part of a

renewable energy project with the City of San Diego and Biofuels Energy. The fuel cell will turn waste methane gas from a wastewater treatment plant directly into electricity without combustion. The university expects the installation to provide 8 percent of the university's total energy needs...The university's increasingly sophisticated microgrid will integrate all the campus production, consumption and stored power and cooling water into one of the most sophisticated energy-management systems anywhere, said John Dilliott, energy and utilities manager for the campus. We will soon be able to factor in the variable cost of imported electricity and optimize the production and consumption of electricity in our entire system with a high degree of cost and energy efficiency.

11/24/2010: UCSD students to join global climate talk

Four graduate students from UCSD will join Scripps oceanography researchers next week at a climate-change summit hosted by the United Nations.

The purpose of sending international-relations students -- a first for the school -- is to enhance the dialogue about global warming and its effects, said Erica Jue, one of the students attending the United Nations Framework Convention on Climate Change Conference of the Parties, in Cancun. Delegates from around the world are expected at the summit, set for Nov. 29 to Dec. 10.

<http://www.signonsandiego.com/news/2010/nov/24/ucsd-students-join-scripps-scientists-global-clima/>

11/1/2010: Smart Power Generation at UCSD

The University of California, San Diego has been accumulating awards for its savvy use of a constellation of power generation and energy-saving technologies. The campus already controls a fully functioning microgrid—including a cogeneration plant—and, as befits a research institution, is constantly looking for new ways to make its energy system smarter. This “living laboratory,” as campus leaders like to call it, demonstrates what it takes to build a smarter grid and why the effort is worth it.

http://www.powermag.com/gas/Smart-Power-Generation-at-UCSD_3104.html

video: <http://www.youtube.com/watch?v=GdprHw1JACw>

10/23/2010: UCSD power plant's efficiency gets EPA kudos

The natural-gas fueled power plant that provides the University of California San Diego with 85 percent of its electricity is an example of how to do things right, the Environmental Protection Agency says.

The agency gave the power plant a national "Energy Star" award for the way it's run.

<http://www.signonsandiego.com/news/2010/oct/23/ucsd-power-plants-efficiency-gets-epa-kudos/>

10/18/2010: UCSD snags climate award

University of California San Diego officials won a national award for their ambitious plan to cut carbon emissions, trim water use and reduce waste during the next 10-15 years.

The university received the climate-leadership award last week at an annual summit held by the American College & University Presidents' Climate Commitment, a group of higher-education presidents and chancellors who have pledged to reduce greenhouse-gas emissions.

<http://www.signonsandiego.com/news/2010/oct/18/ucsd-snags-climate-award/>

See also: <http://ucsdnews.ucsd.edu/newsrel/general/10-14LeadershipAward.asp>

10/14/2010: UCSD partners with Viridity Energy to receive \$1.66 million grant

The University of California, San Diego and smart grid company Viridity Energy have received a \$1,660,000 grant to improve solar deployment using the university's microgrid. The project, funded by the California Public Utilities Commission, will employ an autonomous, real-time dispatch of distributed energy resources to integrate large volumes of photovoltaic-produced energy into the university's microgrid. The project will aim to overcome technology and regulatory barriers to enable wide-scale deployment of distributed solar generation... Campuses such as UC San Diego are proving to be breeding grounds for practical energy innovations that can be scaled up and replicated. This project in particular will provide a new level of intelligence for campus energy management, said Byron Washom, Director of Strategic Energy Initiatives for UC San Diego.

<http://www.esolarenergynews.com/2010/10/viridity-energy-and-university-of.html>

10/12/2010: UCSD chosen to host Clinton Global Initiative public policy conference

Former President [Bill Clinton](#) says he will hold an annual public policy conference known as Clinton Global Initiative--University at UC [San Diego](#) from April 1-3, 2011. The decision represents something of a coup for UCSD, which will pull together experts from campuses around the world to focus on education, environment, [climate change](#), peace, human rights, poverty alleviation, and public health. I am delighted that the Clinton Global Initiative-University is headed to UC San Diego," said Penny Rue, Vice Chancellor, Student Affairs, at UCSD. "It represents an opportunity to host some of the most engaged and passionate college students from across the globe in addressing societys most pressing problems. We welcome the opportunity to showcase our award-winning campus to the rest of the country and the world.

<http://www.signonsandiego.com/news/2010/oct/12/bill-clinton-chooses-ucsd-global-initiative/?scquest>

September 2010: Article on LEED certification in foodservice facilities highlights UCSD as a model

Not surprisingly, sustainability has a strong foothold in the Housing, Dining, Hospitality (HDH) department of the University of California, San Diego. HDH created the Major Planet Program, which supports the Universitys environmental stewardship tenants by integrating green practices into all dining and housing operations...HDH is also working toward LEED certification. Apartments for four residential communities are currently being constructed, all of which will be a minimum of LEED Silver, and most are on track to apply for Gold or Platinum certification, said Mays. Two HDH restaurants are also being remodeled and are required to meet at least Silver LEED certification. HDHs newest location, Goodys Place & Market, is currently being reviewed for LEED certification.

<http://www.fsdmag.com/going-green/turning-sustainability-initiatives-into-leed.html?Itemid=0>

8/19/2010: [U California San Diego Greens Print Operations](#)

The University of California, San Diego has discontinued the use of non-recycled paper in centrally-operated, multifunctional campus copier machines as part of a larger effort to make the universitys print operations greener.

See also: [Watch UC San Diego Printing Services Video](#)

8/16/2010: Eight UC campuses make Sierra Club's green rankings

Eight University of California campuses made Sierra magazine's list of [100 Cool Schools](#), which ranks environmentally friendly polices at universities across the country. Leading the way for UC was [Irvine](#), which placed sixth on the list with a score of 84.4 out a possible 100. Santa Cruz was 11th with score 82, San Diego was 15th with 81.6, Davis was tied for 16th with 81.2, UCLA was 25th with 77.6, Berkeley 32nd with 76.3, Merced 39th with 73.3 and Santa Barbara 44th with 72.2. The Cool Schools survey results will be published in the September/October issue of Sierra, a publication of the Sierra Club.

UC press release: <http://www.universityofcalifornia.edu/news/article/23885>

Chronicle of Higher Ed: <http://chronicle.com/blogPost/Sierra-Magazine-Shuffles-the/26247/>

NPR Talk of the Nation: <http://www.sciencefriday.com/program/archives/201008205>

Environmental Leader Daily: <http://www.environmentalleader.com/2010/08/16/sierra-names-green-mountain-college-as-top-school-in-green-college-ranking/>

San Diego Union Tribune <http://www.signonsandiego.com/news/2010/aug/16/ucsd-among-greenest-campus-in-america/>

6/30/2010: UCSD Saves \$900,000 with Server Replacements and an Energy Dashboard

The University of California, San Diego (UC San Diego) has installed an energy dashboard to help the school improve the efficiency of their operations, reduce energy use, and combat climate change, according to a press release. The dashboard provides updated energy information for the universitys facilities and equipment, helping the them to save \$900,000 a year, reducing energy consumption by 19 million kilowatt hours, and reducing 9,600 metric tons of greenhouse gases. Working with a San Diego Gas & Electric (SDG&E) incentive program, the university used information provided by the energy dashboard to identify inefficiencies in their computer servers. The dashboard provides campus microgrid managers with data on energy use by buildings, floors within buildings and in some cases rooms on a floor. As a result, UC San Diego replaced 514 older computer servers with 270 energy-efficient models. The project reduced energy consumption by 7.9 million kilowatt-hours, saving the university \$680,000 annually, and prevents 2,600 metric tons of greenhouse gases from being released into the atmosphere each year.

<http://www.environmentalleader.com/2010/06/30/ucsd-saves-900000-with-energy-dashboard/>

6/15/2010: UCSD Wins CHP 2010 Award from EPA

The U.S. Environmental Protection Agency (EPA) on June 15 gave UC San Diego a 2010 Energy Star CHP Award for its high efficiency, low-emission combined heat and power (CHP) plant that provides 85 percent of the campus annual electricity needs...With a net operating efficiency of 66 percent, UC San Diegos CHP plant requires about 26 percent less fuel than a system composed of typical onsite thermal generation and purchased electricity, saving the university \$670,000 per month in energy costs. The CHP system also effectively reduces carbon dioxide emissions by an estimated 82,500 tons per year, which is equivalent to the annual emissions from more than 13,700 passenger vehicles. The EPA award described the impressively low emission levels of nitrogen oxide pollutants as one of the lowest levels for cogeneration in the San Diego County Air Pollution Control District.

<http://ucsdnews.ucsd.edu/newsrel/general/06-15EnergyStar.asp>

http://www.epa.gov/chp/public-recognition/current_winners.html

6/14/2010: U California San Diego Implements Fair Trade Policy

The University of California, San Diego has announced the implementation of a Fair Trade University Policy. The policy promotes both sustainable business and humane farming practices that food and beverage suppliers will be asked to support whenever possible. In cooperation with fair trade authority TransFair, the university will work toward a Fair Trade University designation.

See also: [UC San Diego Fair Trade Policy](#)

See also: [TransFair USA: Fair Trade on Campus](#)

See also: [UC San Diego Fair Trade Video](#)

6/4/2010: UCSD and SANYO Pioneer Next Generation of Energy Management

The SANYO Electric Group, including SANYO North America Corporation headquartered in San Diego, Calif., (SANYO) and the University of California, San Diego have announced a research collaboration agreement designed to lead to the next generation of solar energy systems and energy management. Under the agreement, SANYO and UC San Diego will collaborate on multi-year, multi-disciplinary projects in the areas of renewable energy and energy storage research, development and education. SANYO will contribute \$3 million over three years to fund the collaborative research projects. The agreement is the first of its kind that SANYO has made with a university in the United States in the area of energy...As one of the greenest universities in the United States, UC San Diego has become a living laboratory for sustainability and renewable energy, said UC San Diego Chancellor Marye Anne Fox. This partnership with SANYO will further leverage the universitys energy research expertise which, in turn, will benefit industry, society and the environment.

http://www.jacobsschool.ucsd.edu/news/news_releases/release.sfe?id=954

5/13/2010: U California San Diego Receives Access to Trolley

San Diegos Metropolitan Transit System Board of Directors has endorsed a trolley extension that would provide direct service to the University of California, San Diego. The new route will provide students with an alternative means of transportation.

<http://www.signonsandiego.com/news/2010/may/13/transit-board-backs-ucsd-utc-trolley-stops/>

4/19/2010: TV News Coverage of UCSD Earth Week Trash Sort

NBC 7 /39 :

<http://www.nbcsandiego.com/news/green/Dumpster-Diving--91544969.html>

San Diego News Network:

<http://www.sdn.com/sandiego/2010-04-19/environment/ucsd-digs-through-1000-lbs-of-trash-to-kick-off-earth-week>

10 News:

<http://www.10news.com/video/23201819/index.html>

Channel 6:

http://www.criticalmention.com/components/url_gen/play_flash.php?autoplay=1&clip_info=1342810273%7C0%7C59%5E

4/20/2010: UC San Diego Rated One of the Nation's Most Environmentally-Responsible Universities

UC San Diego has been rated once again as one of the country's most environmentally responsible universities, this time by The Princeton Review www.PrincetonReview.com. The education services company selected UC San Diego for inclusion in the Princeton Review's "Guide to 286 Green Colleges," a resource for college applicants.

<http://ucsdnews.ucsd.edu/newsrel/general/04-20Environmentally-Responsible.asp>

3/31/2010: Sustainable Industries Magazine Covers Campus Sustainability

UCSB and UCSD are mentioned in an article by AASHE's Executive Director in *Sustainable Industries* magazine. In the article, Rowland discusses the trends of campus sustainability and the ways the movement has progressed over the past few years.

<http://www.sustainableindustries.com/commentary/89605392.html>

3/15/2010: UCSD Farm 2 U Farmer's Market Event Grows by Leaps and Bounds

Farm2U is a weekly event introducing campus residents to local farmers. The farm moves to one of the six different UC San Diego colleges each Wednesday to present fresh and delicious seasonal produce and goods. This market also accepts Dining Dollars, which makes it easy for students to have access to phenomenal local goodies. Farm2U has been in operation for approximately 5 weeks, and business has already quadrupled. The word is getting out about this fantastic event, and even students who aren't interested in being sustainable reap the benefits.

More info at <http://hdh.ucsd.edu/farm2u/>

3/11/2010: UCSD Campus Living Laboratory continues to attract more funding

On March 11, the CPUC approved \$9.3 million to fund projects designed to resolve impediments to integrating photovoltaics into the grid. One of the awards was for a \$548,000 project led by UC San Diego and includes San Diego-based EDSA Micro Corporation and collaboration from CAISO and San Diego Gas & Electric (SDG&E). (UC San Diego has raised \$137,000 in matching funds from non-university sources.) UC San Diego researchers led by Jan Kleissl, assistant professor of environmental engineering in the Department of Mechanical and Aerospace Engineering, have used 16 weather stations on the 1,200-acre campus to measure solar radiation every second and map clouds continuously. The data can verify a predictive model that uses satellite data to predict how moving clouds will affect the power output of 6,000 photovoltaic panels on the campus.

<http://ucsdnews.ucsd.edu/newsrel/science/03-11AlternativeEnergyGrid.asp>

2/26/2010: San Diego Campuses Included in PBS Green Feature

Three San Diego, California campuses, San Diego Community College District's West City Point Loma campus; San Diego State University; the University of California, San Diego, have been featured in a PBS special on colleges undergoing green renovations. The station producing the piece, KPBS, also posted the story as an audio file.

<http://www.kpbs.org/news/2010/feb/26/sd-colleges-undergo-green-renovation/>

2/08/2010: UCSD Campus Urban Forest Becomes Living Laboratory

Armed with measuring tape and a bathroom scale, they measured and weighed a tree that UCSD crews were cutting down because it had become unstable. The goal was to calculate how much carbon the tree held. The exercise was part of John Niles environmental science class, titled Global Carbon Science Politics: The Road from Copenhagen. Its also an example of the hands-on approach that the campus has been adopting in many classes...The exercise also allowed UCSDs Facilities Management department to make students more aware of the environmental benefits trees bring to the campus, said Sam Oludunfe, UCSDs urban forester. It fits very nicely with UCSDs mission of teaching, research and public service, he said.

http://ucsdnews.ucsd.edu/thisweek/2010/02/08_tree.asp

2/08/2010: First LEED Gold certification at UCSD

"...The childrens sweetly articulated environmental message was the focal point of a celebration to mark the LEED (Leadership in Energy & Environmental Design) Gold certification of the building, the first LEED Gold

certification for a UC San Diego building. The certification recognized the remodeling of the building, which incorporated lumber cut from sustainable forests, heat-reflecting windows that lower air-conditioning costs, irrigation sprinklers that conserve water and many other sustainable-building features...also features water-efficient landscaping, natural ventilation and light-concentrating cylindrical solatubes that, with windows and skylights, make indoor lighting unnecessary during the day."

http://ucsdnews.ucsd.edu/thisweek/2010/02/08_leed.asp

1/13/2010: Scripps/LLNL team wins grant to improve greenhouse gas emissions verification

A federal agency has awarded two researchers at Scripps Institution of Oceanography, UC San Diego and colleagues \$1.2 million to develop methods to quantify regional greenhouse gas emissions from atmospheric measurements, a capability expected to become more important as legislation to reduce global warming becomes more widespread and greenhouse gas emissions trading markets emerge.

http://www.eurekalert.org/pub_releases/2010-01/uoc--stw011310.php

12/27/2009: LA Times profiles UCSD's first director of strategic initiatives

Since taking the job as UC San Diego's first director of strategic energy initiatives in September 2008, Byron Washom has worked to turn the 1,200-acre campus into a model of sustainability, a "living laboratory." Projects include renewable energy, energy management, greenhouse-gas reduction, energy storage systems and greening the campus transportation fleet..."The only thing we're looking at, at the campus, are quantum improvements," he said. "It's not just to install the next incremental step; it's to put in the next breakthrough. What I'm doing with my colleagues is going to have a global impact."

<http://www.latimes.com/business/la-fi-himi-washom27-2009dec27,0,2689294.story>

12/14/2009: UCSD Students Gravitating to 'Green' Majors, Courses and Internships

From energy economics and sustainable building designs to water conservation and biofuels made from algae, sharply higher numbers of UC San Diego undergraduates are opting for majors and minors, classes, internships and research projects that emphasize environmental sustainability...This year alone, the number of students minoring in Environmental Studies doubled to 60 and Environmental Engineering majors increased 50 percent to 92. In the eight years since the Division of Physical Sciences created the Environmental Systems major, enrollment has grown from a handful of students to more than 200 registered this fall.

http://ucsdnews.ucsd.edu/thisweek/2009/12/14_src.asp

11/10/2009: KCBS Radio "Talks Trash" with UCSD and San Diego State

San Diego just expanded its landfill in order to keep up with the growing demand of recycling food waste. HDH Sustainability Manager Krista Mays talks "trash" with the city and SDSU on KPBS's These Days. Listen here:

<http://www.kpbs.org/news/2009/nov/10/san-diego-landfill-makes-room-food-waste-recycling/>

10/01/2009: UCSD Student Working to Green Nation's Capitol

The idea for such an internship stemmed from a visit to UC San Diego by Congresswoman Davis and the Capitols chief administrative officer, Dan Beard, who came to exchange ideas with the university and to describe the Greening the Capitol efforts Beards office is leading. Beard and Davis were impressed with the universitys leadership on energy and sustainability issues, and by the involvement and dedication of UC San Diegos students in these programs. Beard expressed interest in having the same student energy and enthusiasm at the Capitol, which resulted in the formation of a green internship designed especially for a UC San Diego student to help support the Office of the Chief Administrative Officers (CAOs) ongoing sustainability efforts in Washington D.C.

<http://ucsdnews.ucsd.edu/newsrel/students/10-09GreenIntern.asp#>

http://www-chancellor.ucsd.edu/pov_galvan.html

9/20/2009: UCSD becoming lab for energy innovation

(San Diego Union Tribune) [Onell R. Soto](#)

On a roof overlooking a parking garage at the University of California San Diego, Byron Washom pulls out his laptop and calls up an in-house Web site. Within moments, he's advising that the photovoltaic panels atop the

garage are pumping out 243 kilowatts of electricity, down from their peak of 271 kilowatts. A graph on his screen shows the ups and downs of the electric production.

“You can see the morning fog,” he says, looking at his computer, not the sky.

While the solar panels on the roof are good, they're not enough, says Washom, the university's director of strategic energy initiatives. He's part of UCSD's effort to become a national model for finding, testing and implementing new power technologies by having the people who run its facilities working together with the scientists on the cutting edge.

“It's not enough anymore to install solar panels, change lightbulbs or recycle,” said Jan Kleissl, an assistant professor of engineering. The university “is moving from today's version of sustainability and changing to tomorrow's version,” said Steve Relyea, vice chancellor of business affairs.

<http://www3.signonsandiego.com/stories/2009/sep/20/ucsd-becoming-lab-energy-innovation/?education&zIndex=169045>

9/17/2009: Algae as Fuel of the Future Faces Great Expectations -- and Obstacles

(New York Times) Anne C. Mulkern

“[Stephen] Mayfield earlier this year brought together algae researchers in a consortium called the San Diego Center for Algae Biotechnology, or SD-CAB. It unites experts from the University of California, San Diego; the Scripps Research Institute; and the Scripps Institution of Oceanography. Mayfield hopes those scientists will soon be working with other algae experts. SD-CAB this week applied for a Department of Energy grant that would provide \$50 million over three years. In filing the submission, SD-CAB teamed with Lawrence Berkeley National Laboratory; the University of Nebraska; Johns Hopkins University; Rutgers University; Princeton University; Cornell University; the University of California, Davis; and Brooklyn College in New York. Winning the grant would trigger significant contributions of money from nine corporate partners.

<http://www.nytimes.com/gwire/2009/09/17/17greenwire-algae-as-fuel-of-the-future-faces-great-expect-71147.html>

9/14/2009: UCSD Student "EcoNauts" Work to Green Housing and Dining

These seven students have been hired to help their peers and the residential staff learn more about sustainable practices, and ultimately, help UC San Diego lower its carbon footprint. Three EcoNauts will also blog about their sustainability experiences throughout the year.

<http://www.greenrightnow.com/kabc/2009/09/14/green-college-innovators-2009-uc-san-diego/>

8/24/2009: U California, San Diego Begins Several Green Initiatives

The University of California, San Diego has launched several sustainability initiatives to start the new school year. UCSD has hired seven student Econauts to provide peer-to-peer sustainability education. The students will work with the campus residential life staff to educate students and dining customers about ways to reduce their carbon footprint and help UC San Diego meet sustainability goals. The University has also installed bioswales - landscape elements designed to wash water through rocks so that it can be absorbed into the land and minimize the need for irrigation - around new buildings. The bioswales contain native plants. In addition, students moving into the transfer student housing on campus will receive individual electricity bills (to give them an incentive to keep energy consumption low) and a reusable recycling bag in which they can deposit plastic and glass bottles and jars, paper and newspaper, metal containers, and cardboard to take to central recycling locations. UCSD has also instituted a policy to serve only cage-free eggs and fair trade coffee, tea, and sugar in campus dining facilities, and all dining locations will begin regularly featuring farmers' markets where students will have the opportunity to buy locally grown, organic produce directly from local food businesses.

<http://ucsdnews.ucsd.edu/newsrel/general/08-09Econauts.asp>

See also: [List of Student Sustainability Educator Programs](#)

8/6/2009: UCSD Praised for Environmental Work

The Arbor Day Foundation named UC San Diego as a "Tree Campus USA University" for the second consecutive year. The Arbor Day Foundation cited the university's dedication to campus forestry management and environmental stewardship.

http://www.sandiego6.com/news/local/story/UCSD-Praised-for-Environmental-Work/flEai22Y_EqnaXBk6Z6TOg.csp

8/4/2009: Greenspace: Students spearhead study on Great Pacific Ocean Garbage Patch

The Great Pacific Ocean Garbage Patch, a floating mass of plastic trash about twice the size of Texas, is a striking reminder of human effect on the ocean. Located about 1,000 miles off the California coast, the patch is kept in constant swirling motion by ocean currents. When laundry baskets, bottles and other assorted items wash up on shore, they clutter beaches and pose a toxic threat to species such as albatross that mistake bottle caps and nozzles for food. In a seagoing expedition that began Sunday, students and researchers from UC San Diego's Scripps Institute of Oceanography will attempt to hone in on the scope and effect of the patch, which was the focus of an [article in the Los Angeles Times' Pulitzer Prize-winning series on oceans](#).

<http://latimesblogs.latimes.com/greenspace/2009/08/garbage-patch-ocean-pollution-plastic-expedition-.html>

See also: [CNN](#), <http://www3.signonsandiego.com/stories/2009/jul/30/1m30trash231552-researchers-launch-study-ocean-gar/?metro&zIndex=140722>

8/4/2009: San Diego cities apply for \$260 million stimulus for solar projects

A group of San Diego organizations has come together to apply for \$260 million in federal stimulus funds for 160 solar projects that promise more jobs and alternative energy to the region. CleanTech San Diego, a non-profit regional organization, is leading the group, which consists of nine cities, schools and water districts. UC San Diego is mentioned.

<http://www.sdn.com/sandiego/2009-08-04/business-real-estate/san-diego-cities-apply-for-260-million-stimulus-for-solar-projects>

8/2/2009: Smokestacks & Geraniums: Universities vie for students with upscale housing

One look at the 15-story transfer student apartment building, nearing completion at the northwest corner of the UC San Diego campus, should raise the ambitions of community college scholars to complete their education there. There's the billion-dollar view over Torrey Pines Golf Course and out to the Pacific. How about the granite countertops and stainless-steel kitchen appliances? Or the high-tech, low-flush toilets that lend a sustainability touch to the \$113 million "green" building complex? And of course, there's the advantage of living on campus, even if it might cost more to live in university housing.

<http://www3.signonsandiego.com/stories/2009/aug/02/1h2smokes195218-universities-vie-students-upscale/>

7/29/2009: UCSD wins \$11 in renewable energy grants, gets coverage on NPR's "Marketplace"

UC San Diego has landed \$11 million in grants to develop cutting-edge renewable energy systems. Awarded by the California Public Utilities Commission, the state grants are the biggest given for such projects to date, the university announced Wednesday.

<http://www.sdn.com/sandiego/2009-07-29/news/uc-san-diego-wins-11-million-in-grants-to-fund-renewable-energy>

<http://marketplace.publicradio.org/display/web/2009/07/29/pm-energy-storage/>

7/27/2009: U California, San Diego Installs Sun-Tracking Solar Panels

UC San Diego is in the midst of an aggressive effort to add alternative energy as part of our Sustainability 2.0 initiative, and this new photovoltaic project fits right into the mix, said Steve Relyea, vice chancellor for business affairs. Our Sustainability 2.0 initiative includes developing the UC San Diego campus into a living laboratory for cutting-edge solutions to climate change....

In order to help meet its carbon-neutral goal, UC San Diego also is in the process of converting its 800-vehicle fleet of cars, trucks and other vehicles into low- and zero-emission models that eventually will rely on renewable fuels only. Energy consumption by the university's existing buildings also is being reduced and new buildings are being constructed with the latest energy- and water-savings technologies.

<http://ucsdnews.ucsd.edu/newsrel/science/07-09Concentrix.asp>

7/23/2009: Water board grant will help UCSD protect coast

The State Water Board has announced \$42.6 million in grants and low-interest loans for 15 projects designed to safeguard public health and the environment, including one in San Diego County. UC was given \$2.6 million to protect an area of special biological significance next to La Jolla Shores. The money will be used for several pollution-control projects, such as diverting dry-weather flows from storm drains at UC San Diego so they don't contaminate coastal waters. More than three-quarters of the statewide aid package comes from the federal stimulus program, and the rest is from California's Clean Water State Revolving Fund.

<http://www3.signonsandiego.com/stories/2009/jul/23/water-board-grant-will-help-ucsd-protect-coast/>

See also: Del Mar Times, [UCSD receives grant for science festival](#)

5/29/2009: Christian Science Monitor article mentions UCSD Dining

Across the United States, efforts to make school lunches more environmentally friendly have paired with the local food movement, as educators try to reconnect children with the growing season. School lunchrooms are also getting revamped to cut water and energy use and lessen food waste...At the University of California, San Diego, each student is given a reusable water bottle at the beginning of the school year. Also this year, dining services eliminated styrofoam and plastic utensils. If students want takeout, it comes with real plates and silverware. This system has been successful because Housing and Dining Services teamed up and created drop-spots at each dorm and apartment complex where students can leave their dirty dishes and utensils, explains Christine Clark, a communications specialist for the university, in an e-mail. Dining Services picks up the used dish ware daily. Also, the dining halls all serve Fair Trade sugar, coffee, tea, and chocolate.

<http://features.csmonitor.com/environment/2009/05/29/the-school-lunchroom-grows-green/>

5/22/2009: UCSD hosts southern California's first ever 'Green' Race

Hundreds of runners at the Grove Run 5K will drink from reusable water bottles, eat with compostable food utensils, and run in sustainable racing gear at Southern California's first ever green certified race, 9 a.m., May 23 at the University of California, San Diego...UC San Diego's Triathlon Team partnered with the Council for Responsible Sport to certify the Grove Run 5K as a sustainable athletic event organized around environmental, community, and personal sustainability...The runners will arrive at the race via bicycles and buses or carpool with fellow students. Race announcements were printed on certified recycled paper printed with non-toxic ink. The event will feature compost bins, paperless registration, organic food, and reusable sports equipment.

<http://ucsdnews.ucsd.edu/newsrel/general/05-095k.asp>

4/15/2009: (UCD & UCSD) California Funds Collaboration to Spur Solar Development

The first California Solar Energy Collaborative was established today by California Energy Commission with a two-year, \$700,000 grant to two University of California campuses. The University of California, San Diego, in collaboration with UC Davis will use the grant to expand the development and use of solar energy in the state.

<http://www.ens-newswire.com/ens/apr2009/2009-04-15-091.asp>

4/10/2009: Op-ed: Increasing Energy Efficiency (The UCSD Guardian) By Albert Luong

A recently authorized cost-saving proposal stands to save the UC millions — without cutting services or enrollment. Rather, the program will provide savings through increased energy efficiency, aiding both the university's thinning wallet and the environment.

<http://www.ucsdguardian.org/opinion/increasing-energy-efficiency-1.1651303>

2/2/2009: One of UCSD's Sustainability Leaders Makes Appearance on KPBS'S Program "THESE DAYS"

Sustainability Solutions Institute Executive Director Lisa Shaffer was a guest on KPBS's program "These Days" with Environmental Defense Fund President, Fred Krupp, on Monday, February 2. You can listen to their discussion of sustainability at UCSD, in San Diego, and in the broader community at

http://www.kpbs.org/radio/these_days?id=13758

1/20/2009: Dynalectric Putting Its Energy into UCSD Solar Project

(San Diego Business Journal) By Cassandra Dump

Dynalectric is working on UC San Diego's Solar Grove project, which consists of a series of steel-framed structures supporting photovoltaic solar panels, called Solar Trees. It is part of a 1.2 megawatt solar electric system

under the university's Comprehensive Sustainable Energy program. There are 959 Kyocera photovoltaic modules on 15 solar trees mounted atop UCSD's Gilman parking structure, and 1,650 Kyocera photovoltaic modules on 28 solar trees atop the Hopkins parking structure. Combined, the solar trees will generate a DC output of 533 kilowatts.

http://www.sdbj.com/industry_article.asp?aID=43022969.2569088.1732224.9303654.4856182.530&aID2=133239

1/16/2009: Major French Magazine Profiles Sustainability Efforts at UCSD

"On the campus of this California university, one of Obama's key promises is at work: to make America respectful of the environment and less dependent on conventional energy. Barack Obama wants to double the production of alternative energies in three years...At the very south of the state, the University of California, San Diego (UCSD) goes even further. This public university (largely funded by private organizations) chose to become the greenest in America, as much in its teachings as in campus life itself. The project is led by the Environment and Sustainability Initiative (ESI)...In the walkways and paths, pedestrians and bikes rule. The official UCSD vehicles authorized in these pedestrian ways are for the most part electric compact cars, similar to those you see on golf courses. Everywhere, there are trashcans marked with three blue arrows triangle-shaped, encouraging passers-by to recycle. In residential areas reserved for first and second year students recycle bins encourage residents to separate all kinds of wrapping from organic trash. Even the leftovers from cafeterias are collected and recycled into compost. The green attitude is everywhere."

http://esi.ucsd.edu/esiportal/index.php?option=com_content&task=view&id=229&Itemid=101

1/2/2009: UCSD plans 'green' fuel cell project

UCSD plans to store power produced at night from a planned 2.8 megawatt "green" fuel cell and use the energy during peak-demand hours the following day when electricity rates are highest. Implementation of the advanced energy storage system is possible through a measure approved by the California Public Utilities Commission designed to lower peak demands on the state's electrical power grid.

<http://www.lajollalight.com/news/252073-ucsd-plans-green-fuel-cell-project>

12/01/2008: UCSD Students Give Voice to New Generation of Green Builders

"As an international studies major, Erika Kociolek didn't expect to give a presentation at one of the biggest green building conferences in the world. After years of working on several sustainability projects, the UC San Diego senior was invited to serve as a student speaker at the Greenbuild International Conference and Expo which took place in Boston, Nov. 19-21. Kociolek said she was proud to represent one of the nation's greenest universities at the conference, which connects leaders in the green building industry from around the world."

http://ucsdnews.ucsd.edu/thisweek/2008/12/01_kociolek.asp

December 1, 2008: Students Tout Campus Greenness in National Video Competition

Think UC San Diego has one of the coolest sustainability programs around? Now there's a way to let everyone know. The campus is taking part in the nationwide Chill Out competition organized by the National Wildlife Federation.

http://ucsdnews.ucsd.edu/thisweek/2008/12/01_chillout.asp

December 1, 2008: Student Gives Voice to New Generation of Green Builders

As an international studies major, Erika Kociolek didn't expect to give a presentation at one of the biggest green building conferences in the world. After years of working on several sustainability projects, the UC San Diego senior was invited to serve as a student speaker at the Greenbuild International Conference and Expo which took place in Boston, Nov. 19-21. Kociolek said she was proud to represent one of the nation's greenest universities at the conference, which connects leaders in the green building industry from around the world.

http://ucsdnews.ucsd.edu/thisweek/2008/12/01_kociolek.asp

November 16, 2008: Power grab; Internet data centers are eating up electricity – and Big Tech is looking for a solution to the problem

Network data centers and their servers and routers use more power than all of the nation's TVs, and consumption continues to grow...While the problem is hard to see, there are a number of big technology companies, such as

IBM, Intel, AMD, Sun Microsystems, Hewlett-Packard and Dell, working to make it more visible and to find conservation solutions. The companies are among the founders of an energy conservation consortium called the Green Grid. Locally, the San Diego Supercomputer Center at UC San Diego is nearing completion of a green expansion of its data center. UCSD is the first university to join the Green Grid consortium. The greening of the supercomputer center is being done for pragmatic and altruistic reasons, said Dallas Thornton, the center's director of cyberinfrastructure services. http://www.signonsandiego.com/uniontrib/20081116/news_mz1b16data.html

October 31, 2008: Changing ways of commuters; Colleges use rewards to entice students, staff to go green

As part of their efforts to go green, colleges across the country are rolling out programs to promote more eco-friendly commuting among students, staff and faculty. With fluctuating gas prices and all the talk about carbon footprints, students increasingly are receptive to the idea. UCSD is trying a number of ways to discourage students and employees from driving. Examples cited include Triton Bikes, a Ditch Your Car Competition, a free shuttle service and the Pedal Club (with pictures).

http://www.signonsandiego.com/uniontrib/20081031/news_1n31commute.html

October 31, 2008: The Wired Campus: U. of California at San Diego and U. of British Columbia Strike a Deal to Study Green IT

UC San Diego and the University of British Columbia are starting to work together on “green cyberinfrastructure” — computing techniques that will improve energy efficiency and reduce greenhouse-gas emissions. The two institutions have signed a memorandum of understanding that says they will work together on green-IT issues. Doug Ramsey, communications director for the California Institute for Telecommunications and Information Technology, or CALIT2, says the universities are also hammering out an agreement on how to share money to support green-IT research. Green IT is becoming a hot topic, and San Diego has shown some leadership on the issue with the opening of a [new supercomputer center](#) that is designed to save energy.

<http://chronicle.com/wiredcampus/article/3431/uc-san-diego-and-u-of-british-columbia-strike-a-deal-to-study-green-it>

October 17, 2008: Wired Campus: A Green Supercomputer Center Opens at U. of California at San Diego

As buildings go, data centers can be energy hogs. The servers within them, which heat up like gas griddles, need to be kept cool constantly. In the arctic, that task might be a cinch, but in southern California, it's obviously more challenging. Now the San Diego Supercomputer Center, which is part of UC San Diego, is opening [an expanded “green” data center](#) that will rely on a number of innovative technologies to reduce power use. Along with common features like low-E window glazing and solar shades, the 80,000-square-foot expansion also features a hybrid heating and cooling system that filters external air to help ventilate the building and maintain optimal humidity.

<http://chronicle.com/wiredcampus/article/3398/a-green-supercomputer-center-opens-at-u-of-california-at-san-diego>

October 10, 2008: UCSD Takes “Green” Seriously: Sustainability efforts coming from different angles

UCSD's colors are blue and gold but they ought to be green. UCSD officials say the campus is striving to become a national model of energy sustainability, not only physically altering its campus to become increasingly more energy-efficient, but by incorporating green technology and theory into nearly 200 courses offered throughout the year, with new green classes being added each quarter.

<http://www.lajollalight.com/news/249348-ucsd-takes-green-seriously>

October 7, 2008: [UC San Diego Appoints Director of Strategic Energy Initiatives](#)

The University of California, San Diego has appointed Byron Washom as its first Director of Strategic Energy Initiatives. Washom is tasked with providing strategic leadership in the establishment of an innovative energy plan. Future projects include energy storage systems that adjust to the intermittency of renewable energy and provide permanent load shifting; strategic purchasing of renewable energy from the grid during periods of surpluses; co-production of hydrogen from its fuel cell system; utilizing cold ocean water from the adjacent La Jolla Trench; and converting the campus vehicle transportation fleet into cleaner, alternative fuels.

September 22, 2008: NBC News Covers Green Welcome for UCSD Students

Freshman at UCSD are moving onto campus this week, and stepping into greener dorms...As part of the university's drive to become one of the most sustainable campuses, new carpet and furniture made of recycled materials are being used. And there are eco-friendly fluorescent light bulbs and solar thermal heating in the dorms...The college will also be using an online paperless system to check-in students..."Our students are telling us they want a sustainable place -- they want a green place, a green dining experience. They want to be able to have a good healthy lifestyle and were stepping up to it," said Mark Cunningham, the university's director of housing and dining.

September 15, 2008: UC San Diego Installs Unique Solar Shade Trees

UC San Diego is using one of its free gifts - some of the best solar exposure in the country - to further power and shade the campus. Several solar trees (solar panels installed on a vertical racking system that supports the "canopy" solar array) will be installed over two parking garages on campus as part of a "forestation" program on campus. The "trees" will also shade vehicles and provide an energy source for campus electric cars.

<http://www.treehugger.com/files/2008/09/uc-san-diego-installs-solar-trees.php>

September 2008: SEI Releases 2009 Sustainability Report, Three UC's Named Campus Sustainability Champions

The Sustainable Endowments Institute has released its *College Sustainability Report Card 2009*. SEI's report includes profiles and grades for the 300 schools with the largest endowments. Four UCs appear in the report card: UC Berkeley (B), UCLA (B-), UCSD (B+), and UC Davis (B+). Davis, Berkeley, and San Diego were all named Campus Sustainability Champions. The average grade for all schools surveyed came to C+, with more than 75 percent of colleges and universities earning sustainability grades in the B and C range.

<http://www.greenreportcard.org/>

August 15, 2008: Going Green Registers with Colleges

Students arriving on campus this month are seeing green — and not just from the money they're spending on tuition. Freshmen at the University of California-San Diego's Sixth College will move into renovated dorms that are equipped with solar thermal heating, and new carpet and furniture made from recycled material, says Mark Cunningham, the school's executive director of housing, dining and hospitality. The student residences also will have low-flow shower heads and energy-efficient lighting. The university will give each on-campus apartment a bucket of eco-friendly cleaning supplies. If that project is successful, Cunningham says, the university will consider giving a year's supply of the products to all apartments.

http://www.usatoday.com/news/education/2008-08-13-eco-friendly-universities_N.htm

August 8, 2008: UC San Diego Increases Green Curriculum

The University of California San Diego has announced plans to offer more than 80 green seminars, workshops and courses that cover sustainability issues this fall. Course topics will include global warming, consumerism, alternative energy, climate change and society, and corporate social responsibility. Nearly 200 courses with sustainability related content will be offered in total.

<http://ucsdnews.ucsd.edu/newsrel/general/08-08GreenCourses.asp>

August 6, 2008: UC weather data to help develop energy plan

Ten University of California-San Diego undergraduate students have designed, built, and deployed a network of five weather-monitoring stations as a key step toward helping the university use ocean breezes to cool buildings, identify the sunniest rooftops to expand its solar-electric system, and use water more efficiently in irrigation and in other ways. The network, which will be expanded to 20 stations in 2008, is unprecedented in the United States for the density of weather data to be collected. Project leaders are inviting San Diego-area schools and businesses to make their rooftops available for additional stations to broaden the geographic scope, scientific value, and potential energy savings of the effort.

<http://www.eponline.com/articles/66034/>

July 29, 2008: UC-San Diego to Explore How to Make University Data Centers Greener

Researchers at the University of California at San Diego are launching an experiment to test and improve the energy efficiency of computing systems used for scientific research.

Making computer processing and storage systems more energy efficient is much needed because the information-technology industry, which currently consumes as much energy as the airline industry, keeps on growing. This growth is in part fueled by highly data-intensive scientific research, which demands huge computing facilities that consume large amounts of electricity, not only to power them, but also to cool them.

<http://chronicle.com/wiredcampus/article/3203/uc-san-diego-to-explore-how-to-make-university-data-centers-greener>

July 28, 2008: UCSD Warming To Sun's Energy; Another Campus Building Goes Solar

The UC San Diego continues its effort toward generating its own energy using green sources such as solar and wind. A major solar project on a campus parking structure is one of many planned in coming months. KPBS Environmental Reporter Ed Joyce has more. A giant crane hoisted dozens of steel-and-concrete tubes, called "solar trees" to the top of the six-level Gilman parking structure on the UC San Diego campus. The tubes are designed to hold solar panels. David Weil works for UCSD's sustainability program. He says when the installation is finished, the system will provide shade while generating electricity. Text/audio: <http://www.kpbs.org/news/local?id=12350>

June 12, 2008: What's Hot on Campus This Year: Solar Power

The University of California at Irvine is getting into the solar game through a [20-year contract](#) with UPC Solar in Chicago to install at 1.2-megawatt system on 11 campus buildings. And the university's San Diego campus [announced](#) in April a contract to put up a 1-megawatt solar array this year on campus buildings, to be followed next year by a similarly sized project.

<http://chronicle.com/blogs/architecture/2191/the-hottest-thing-on-campus-this-year-solar-power>

April 28, 2008: UCSD to Lower Its SDG&E Bills, Energize Renewable Resource

As part of its effort to promote renewable energy, UC San Diego will gradually reduce the amount of electricity it purchases from San Diego Gas & Electric Co. and replace it with "green" power produced from fuel cells and solar sources on campus. The primary reason for the change, which may result in cheaper electricity bills, is to reduce the school's greenhouse gas emissions, university officials say.

http://www.sdbj.com/industry_article.asp?aID=68019526.4522776.1618656.2612513.741984.432&aID2=124503

April 23, 2008: Green Generation Celebrates Earth Day

Students on the campuses of local universities are proving they know how to take care of Mother Earth.

The campuses of San Diego State University, University of California San Diego and San Diego Community College did their part on Earth Day.

At UCSD, there was a display featuring the latest in green car technology. The "clean car show" featured an electric race car, an electric "mega truck" and a smart car nicknamed Gidget. There was also a vehicle that runs 100 percent on cooking oil.

<http://www.nbcсандiego.com/news/15961876/detail.html?rss=dgo&psp=news>

April 23, 2008: UC San Diego named 'Climate Protection Champion' by City

UC San Diego was recognized for becoming the first campus on the West Coast to join the Chicago Climate Exchange, North America's only voluntary, legally binding trading system to reduce emissions of greenhouse gases. UC San Diego also was the first university in California to be recognized by the California Climate Action Registry as a "Climate Action Leader." UC San Diego's goal is to become a living laboratory for climate solutions by being an early adopter of real-world tools and leading-edge technologies for San Diego and the global marketplace for successfully measuring, certifying and reporting its greenhouse gas emissions to the Registry and the public.

<http://ucsdnews.ucsd.edu/newsrel/awards/04-08ClimateProtectionChampion.asp#>

April 4, 2008: U. of California at San Diego Plans Projects in Renewable Energy

The University of California at San Diego has announced a set of renewable-energy projects that will provide 10 to 15 percent of the university's power.

Solar arrays on the tops of campus buildings and parking structures will provide up to 2 megawatts of electricity. Purchasing power from Southern California wind farms will provide 3 megawatts. And burning methane from the Point Loma sewage treatment plant will produce 2.4 megawatts in fuel cells. That methane is currently flared at the plant.

A release from the university says the various projects, at 7.4 megawatts, make the university "the leader in renewable energy solutions among U.S. universities."

<http://chronicle.com/blogs/architecture/1969/u-of-california-at-san-diego-plans-projects-in-renewable-energy>

See also:

<http://www.ens-newswire.com/ens/apr2008/2008-04-03-094.asp>

April 3, 2008: UCSD Aims to Become Greenest University in the Nation

Solar power panels will cover 26 buildings on campus. Fuel cells and wind farms will help power dorms, labs and cafeterias. UC San Diego is aiming to become the leading user of renewable energy among U.S. universities within the next few years and unveiled Thursday several steps the campus will take to reach that goal.

A wide range of collaborative efforts by faculty, students and administrators have already helped create a campus dedicated to environmental sustainability, Chancellor Marye Anne Fox said. Now, the university plans to generate 10 to 15 percent of its annual electrical needs from renewable power sources, including solar panels, wind farms and fuel cells.

http://esi.ucsd.edu/esiportal/index.php?option=com_content&task=view&id=159&Itemid=1

See also: <http://greenestuniversity.blogspot.com/>

February 8, 2008: Changing the Climate on Campus

"[Focus the Nation] was less a protest than a nationwide seminar — albeit one that included the occasional colorful stunt, like the student from University of California, San Diego, who dressed as a polar bear and sat in a mock electric chair, to illustrate how global warming could speed extinction. The message was clear: Global warming is not a problem for tomorrow, but today, and students need to take the lead."

<http://www.time.com/time/printout/0,8816,1711450,00.html#>

February 4, 2008: UCSD, UCSB Among Campuses Piloting New Sustainability Rating System

The Association for the Advancement of Sustainability in Higher Education (AASHE) has announced the launch of its pilot rating system for sustainability in higher education. Over ninety college and university campuses will test the self-assessment tool, called STARS (Sustainability Tracking, Assessment, and Rating System). Over the course of 2008 they will provide feedback to AASHE and inform STARS version 1.0, planned for release in spring 2009...We are excited to use STARS to assess our sustainability performance, said Matt Malten, assistant vice chancellor for campus sustainability at Washington University in St. Louis. In addition to using it as a guide to establish our performance baseline, we also plan to use STARS as a platform to help us engage and facilitate on-going collaboration for continual improvement on our campus, with our peer institutions across the country, and with our international partners. In short, STARS will help us confirm that we are affecting the necessary rapid global sustainability progress.

http://www.aashe.org/highlights/pilot_announcement.php

February 1, 2008: UCSD Students Make Focus the Nation a Huge Success

"There is no magic solution, but the responsibility to save the world belongs in the hands of our youth," UC San Diego sociology professor Ivan Evans told a Focus the Nation panel discussion on Thursday. The panel talk was

one of many diverse events organized by UCSD students to recognize the first Focus the Nation event, which took place Jan. 28 to 31.

UCSD joined more than 1,000 universities to participate in the nationwide program that called for faculty and students at college campuses to discuss climate change solutions. UCSD recognized Focus the Nation by holding a campus-wide teach-in that included more than 30 faculty members.

http://esi.ucsd.edu/esiportal/index.php?option=com_content&task=view&id=119&Itemid=1

January 30, 2008: Putting the Focus on Global Warming

At UCSD, young conservationists are preparing a performance-art show that will feature a faux polar bear in an 8-foot-tall "electric" chair. It's a creative riff on the theme of climate change harming the bears. The activities are part of the inaugural Focus the Nation, a four-day event designed to turn the nation's college students and others into global-warming activists.

<http://www.signonsandiego.com/news/education/20080130-9999-1m30climate.html>

January 10, 2008: Atmospheric ambition: UCSD sensors will monitor campus weather, adjusting water, energy use to fit conditions

Despite the University of California San Diego's status as a world-class center for climate research, the university hasn't taken full advantage of heating and cooling offered by the varied microclimates on its 1,200-acre campus.

That's about to change thanks to a network of up to 30 temperature, rain, humidity, wind-speed and other sensors being placed on rooftops across campus. The university touts the experiment as a nationally unprecedented monitoring program designed to reduce the school's energy and water bills and its contribution to global warming.

http://www.signonsandiego.com/uniontrib/20080110/news_1m10ucsd.html

January 7, 2007: UCSD Joins The Green Grid

University joins consortium in global effort to reduce energy use at datacenters

The University of California, San Diego (UCSD), which has implemented a wide range of energy-reducing initiatives across all levels of campus operations, has joined The Green Grid, a global consortium of companies dedicated to advancing energy efficiency in datacenters and computing ecosystems.

Membership in The Green Grid complements and underscores the university's commitment to environmentally sound and power-efficient practices, including efforts at the San Diego Supercomputer Center (SDSC), the largest datacenter on the UC San Diego campus.

<http://www.hpcwire.com/hpc/2003988.html>

See also:

<http://ucsdnews.ucsd.edu/newsrel/general/01-08ReduceEnergyLossAtDataCenters.asp>

<http://chronicle.com/wiredcampus/article/2647/uc-san-diego-greens-its-grid>

January 4, 2008: Climate Exchange Program Enlarges Membership

The Chicago Climate Exchange (CCX) on Friday announced its decision to enlarge its membership by enlisting California universities. As part of the move, the University of California in San Diego (UCSD) has become the first campus on the West Coast to join the CCX, the environmental organization said in a statement.

The CCX is North America's only voluntary, legally binding trading system to reduce emissions of greenhouse gases. UCSD is only the 7th university in the nation to join the climate exchange.

http://news.xinhuanet.com/english/2008-01/05/content_7365966.htm

November 19, 2007: An Alternative to Parking on Campus: To increase greener transportation options, department plans to integrate hybrid fleet into shuttle system.

As officials from UCSD Transportation and Parking Services continue to stress the importance of safeguarding the

environment in their agenda, one of the department's next steps will involve converting the campus' diesel-powered shuttles to hybrid engines.

UCSD's current bus fleet will be replaced with shuttles powered by alternative energy and compressed natural gas, which could cost as much as \$500,000 to \$750,000 per bus. Ten buses will be replaced in 2009, followed by 10 more in 2010.

"We are still studying emission benefits," said T&PS Assistant Director Charles Kindred. "So we don't, at this juncture, know the full reduction in emissions. But, CNG-fueled buses are cleaner-burning, use cheaper domestic fuel and are quieter."

http://ucsdguardian.org/index.php?option=com_content&task=view&id=9246&Itemid=2

November 5, 2007: Inside a green data center: San Diego Supercomputing Center constructs one using energy-efficient materials and techniques, plus such retro ideas as windows that actually open

The San Diego Supercomputing Center's \$32 million data-center expansion, slated for completion next July, is designed to be energy efficient from the ground up.

The 80,000-square-foot building will double the size of the SDSC's facilities; besides an additional 5,000 square feet of data-center space, the expansion will house classrooms, offices, meeting rooms and a 250-seat auditorium.

Under development since 2003, the building has an energy-efficient displacement ventilation system that uses the natural buoyancy of warm air to provide improved ventilation and comfort; exterior shade devices, such as awnings, to control temperatures by blocking the sun; and natural ventilation (the windows in the building will open) to save on energy.

<http://www.networkworld.com/research/2007/110207-green-data-center.html?nwwpkg=slideshows>

September 24, 2007: UC San Diego, Rady School of Management Installs Solar PV

The Rady School of Management at the University of California, San Diego has gone green, with solar panels installed on the roof of the school's 50,000-square-foot main building, it was announced Monday.

<http://www.10news.com/news/14194005/detail.html>

<http://www.renewableenergyaccess.com/rea/partner/story?id=50052>

July 19, 2007: UC San Diego Sustainability Showcase

First quarterly newsletter from UCSD's Environment & Sustainability Initiative

http://esi.ucsd.edu/images/stories/esi_newsletter_summerqtr_2007.pdf#page=1

April 21, 2007: Today's green students are well-versed in eco-activism

Earth-friendly UCSD student activists are building a device that converts cafeteria grease into biodiesel to power their automobiles.

San Diego State University students are helping plan an expanded student union building, proposing everything from solar technology to environmentally friendly hand soap in the restrooms...And students aggressively practice recycling at Cal State San Marcos, which won a national contest this week by diverting nearly 60 percent of campus trash from the landfill...Young idealists on college campuses have a history of throwing themselves into causes, from anti-war demonstrations in the 1960s to campaigns against Asian sweatshops in the 1980s. Today, they're crusading to preserve the planet in an environmental movement that has taken on new dimensions.

<http://www.signonsandiego.com/news/metro/20070421-9999-1n21green.html>

May 5, 2007: UCSB Wins Flex Your Power Award; UCSD Receives Honorable Mention

Flex Your Power, California's statewide energy efficiency campaign, has recognized UC Santa Barbara as a leader in energy efficiency with a Flex Your Power Award. A total of 41 winners were selected from several hundred applicants for outstanding leadership in energy efficiency. Cumulatively, award winners over the last two years have saved more than \$172 million, one billion kilowatt hours and reduced greenhouse gas emissions equivalent to removing more than 80,000 cars from the road. UCSD also received an honorable mention in the Demand Response category.

<http://www.fypower.org/feature/awards/5th/profile.html?company=ucsd>

March 2007: UCSD Wins Third Consecutive San Diego Excellence in Energy Award

In 2006, UC San Diego implemented its "Sustainable Fleet Management Plan" with the goals of reducing green house gas emissions, saving energy and decreasing reliance on fossil fuels. In keeping with these goals, the University purchased 225 electric or "zero emission vehicles" (ZEV) and 32 hybrid vehicles for its fleet. The University also converted to a blend of ultra low sulfur bio diesel for its diesel fleet eliminating more than 70 metric tons of CO₂ emissions and reducing sulfur emissions by 97 percent. This project has successfully reduced green house and toxic gas emissions, reduced maintenance costs and led to removal of gas burning vehicles on campus.

http://www.energycenter.org/eMessages_View.asp?MsgID=253

February 20, 2007: UCSD Launches Student Energy Conservation Competition

Turn off the light when you leave the room. Don't use your hairdryer. Take shorter, cooler showers. Unplug all appliances that aren't in use. Thousands of students at Revelle, Muir and Sixth colleges are trying to live by these rules for a month, while vying to win UCSD's Green Campus energy conservation contest. The competition ends March 5.

http://ucsdnews.ucsd.edu/thisweek/2007/02/20_gogreen.asp

February 2007: [UCSD] Success Stories in Energy Management

Because nearly 60 percent of University of California, San Diego's 11 million square feet of buildings (650 facilities) functions as laboratories and research facilities, the campus energy consumption consistently measures higher than typical university benchmarks. These spaces have special heating, cooling, and ventilation needs, requiring 5- to 10-times more energy per square foot than a typical building. Keeping this in mind, along with escalating electricity costs and California's recent history of blackouts and brownouts, it's easy to see why interest in energy efficiency has been a popular idea.

<http://www.buildings.com/Articles/detailBuildings.asp?ArticleID=3572>

November 27, 2006: UCSD Students Tackle Difficult Questions in Sustainability Seminar

The course aimed to teach students about sustainability while giving them opportunities for hands-on learning. "It's about helping make our own environment more sustainable and learning in the process," said Lisa Shaffer, executive editor of UCSD's Environment and Sustainability Initiative and an assistant director at UCSD's Scripps Institution of Oceanography.

http://ucsdnews.ucsd.edu/thisweek/2006/nov/11_27_sustain.asp

February 16, 2006: UCSD wins second "Excellence in Energy" award

UCSD received the 2005 San Diego Excellence In Energy (SANDEE) Award for Special Achievement in Energy by a Government or Institution, for refurbishing its oldest and largest steam turbine powered chiller with a 3 MW steam turbine electrical generator.

<http://www.sdenergy.org/NewsDetail.asp?ID=62&ContentID=42>

June, 2005: UCSD receives "Best Practices in Sustainability" award for Supercomputer Center expansion, HVAC Retrofit, and Load-Shed Program

The Higher Education Energy Partnership awarded UCSD three of its 2005 Best Practices Award for the innovative heating, ventilation and air conditioning (HVAC) design used in the expansion of the San Diego Supercomputer Center...

For a listing of case studies detailing each project, see:

http://greenbuildings.berkeley.edu/best_practices2005.htm