



## *Campus Ecology Three-Year Progress Report: 2007–2009*

Like the resource it seeks to protect, wildlife conservation must be dynamic, changing as conditions change, seeking always to become more effective. – Rachel Carson

National Wildlife Federation®  
**CAMPUS**  
ecology®



Dear Campus Ecology Friend,

Together with you, we are a program about promoting and celebrating the profoundly important role of campus leaders in advancing environmental, social and economic sustainability as an example for the wider society. There is much to be hopeful about in this regard, and some of the reasons for hope are documented here.

- **Campus Ecology Fellows**, for example, are converting vehicles from gas to electric, installing solar panels, harvesting rainwater and developing climate action plans. Most graduates have gone on to advance sustainability in a variety of creative ways through their careers and as volunteers.
- Winners of **Chill Out**, our campus innovation competition to confront global warming, are illuminating the possibilities for dramatically curbing global warming pollution on their campuses, and in some cases aiming to neutralize carbon emissions by 2040 or sooner.
- Larger numbers of students in the U.S. have rallied for climate leadership and sustainability in the last three years than we've experienced in our organization's nearly seventy-five year history thanks to unprecedented collaboration among youth, social justice and environmental organizations.
- These student leaders have, in turn, played key roles in convincing their campus leadership to make smart investments in energy efficiency and clean energy on campus and to commit to steep reductions in greenhouse gas pollution through a variety of efforts, including formal initiatives such as the **American College and University Presidents' Climate Commitment (ACUPCC)**.

The list of encouraging efforts goes on and we are proud to have been a part of many of these. At the same time, the global average surface temperature continues to increase. BP has just caused dramatic damage to our Gulf environment and economy. Trends in protection of biodiversity are not encouraging. And climate and clean energy legislation is stalled in the Senate, perpetuating our reliance on fossil fuels and our vulnerability.

These tough circumstances call for leading even more creatively and strategically than ever before and to work proactively, rather than reactively, as much as possible. One of the things we've learned through training from the Institute for Conservation Leadership and advice from peers at National Wildlife Federation and beyond, is that no matter how challenging the circumstances, teams need to regularly reflect and plan in order to move forward effectively.

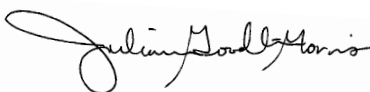
Spanning 2007-2009, this report chronicles our goals, accomplishments and some of the lessons learned along the way. It takes stock of what we set out to achieve and what we actually accomplished. It documents the triumphs and suggests some of the struggles along the way. It will provide National Wildlife Federation's esteemed Campus Ecology Advisors, funders, members and other stakeholders with a detailed update on the program's recent work and a basis for critical feedback and guidance. Most importantly, these lessons will help inform priorities, new strategies, opportunities for collaboration, and areas for personal and professional growth in the coming months and years.

Yours sincerely,

**The Campus Ecology Team**



**Courtney Cochran**



**Juliana Goodlaw Morris**



**Lisa Madry**



**Praween Dayananda**



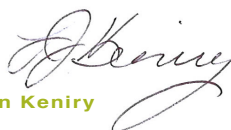
**Kristy Jones**



**Carly Queen**



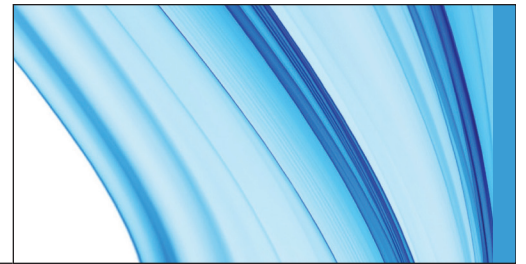
**Jennifer Fournelle**



**Julian Keniry**

National Wildlife Federation®  
**CAMPUS**  
ecology®

# TABLE OF CONTENTS



INTRO LETTER FROM TEAM	1
TABLE OF CONTENTS	2
INTRODUCTION TO THE CAMPUS ECOLOGY PROGRAM	3
METHODS	4
GOAL ONE: CULTIVATING STUDENT LEADERS	8 Campus Ecology Fellowships: Intensive Environmental Leadership Support 12 Chill Out: Recognizing Climate-Smart Innovators 15 Climate Ambassador Certification Web Course: Educating the Next Generation of Leaders 15 National Education and Outreach Partnerships & Initiatives: Partnering to Extend the Reach 19 Engaging Alumni: Closing the Circle (To Keep it Rolling)
GOAL TWO: REDUCING THE CARBON FOOTPRINT AT 1,000 CAMPUSES	22 Regional Team Work 23 Climate Action Networks 24 Membership 25 Best Practices: Tools and Resources
GOAL THREE: POSITIONING COMMUNITY COLLEGES AS PLATFORMS	30 National Policy Efforts 32 Green Workforce Training
CAMPUS ECOLOGY IN THE PUBLIC EYE	33 Press Coverage 33 Event Participation
THE CAMPUS ECOLOGY TEAM	34
ASSESSMENT	38 Looking Forward
APPENDIX A: FELLOWS	40
APPENDIX B: CHILL OUT	78
APPENDIX C: PARTNERS	84
APPENDIX D: PRESS	85
APPENDIX E: EVENTS	119
ACKNOWLEDGMENTS AND SPONSORS	Back Cover

# INTRODUCTION TO THE CAMPUS ECOLOGY PROGRAM

**NWF will involve roughly 20,000 campus student leaders who will, in turn, help reach approximately 100,000 of their peers each year toward our goal of engaging one million students by 2020 in transforming “business as usual” into sustainable designs, clean energy systems and green jobs.**

National Wildlife Federation’s (NWF) Campus Ecology team has a clear vision. And that vision is for campuses to model for the larger society what sustainability means in practice – in their teaching, management, operations and community leadership. This vision extends to the students – students whose hearts, hands and minds are eager and well prepared to engage in the civic life of the campus and community while in school and beyond in ways that transform business as usual into the sustainable designs, clean energy systems and green jobs needed for a prosperous future. This vision would give voice to the voiceless: the future generations and disenfranchised peoples who depend on thoughtful leadership today and the myriad species of wildlife that cannot speak for themselves.

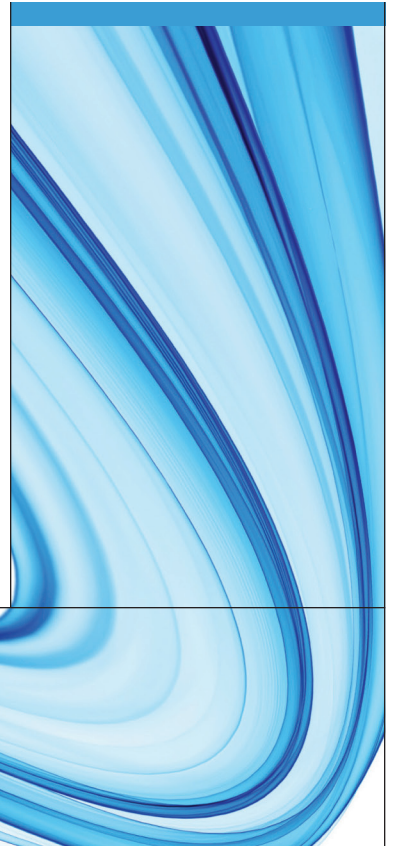
The Campus Ecology program is a cornerstone of NWF’s effort to protect wildlife for our children’s future. Towards this end, the program has concentrated on achieving three measurable and complementary goals: engaging one million students in climate action and

education by cultivating student leaders; reducing global warming pollution by at least 30 percent at 1,000 campuses by 2020; and positioning community colleges as platforms for green jobs creation and training.

Dr. Michael Crow, president of Arizona State University, conveyed the central importance of student leadership in the process of transforming campus practices at the third annual conference of the American College and University Presidents’ Climate Commitment (ACUPCC) when he said: **“Higher education may be only about two percent of the nation’s carbon footprint, but we are 100 percent of the student footprint.”**

It is in this spirit that Campus Ecology is driven to cultivate and engage student leaders to take steps both large and small to appreciate, protect and restore the earth’s living systems at the campus level and beyond.

Colleges and universities educate approximately 19 million students each year from all walks of life. College graduates, studies show, are more likely to





become influential in their communities, attending public meetings, volunteering, writing letters to the editor and more. Helping college students evaluate their campus, their communities and the wider world through the lens of social, economic and environmental sustainability, helps equip students and graduates to become agents of change in their wider communities.

Even by working concertedly in partnership with diverse organizations all across the country, Campus Ecology has not figured out a way to work with all 19 million students in higher education each year, however, the program strives to reach a large enough percentage of the student body to make an educational impact on those students and create a ripple effect with peers. One of two primary goals over the past three years has been to reach at least one million students on various levels in the 14 years between 2006 and 2020. Since 2006 Campus Ecology has already reached over 1.3 million students through educational awareness events, plus an additional 27,000 reached through our *ClimateEdu* newsletter! \*

Still, in support of that vision, Campus Ecology focuses attention on diverse scales, from mass education and outreach, to more intensive programming that provides student leaders with recognition, support, training, informational resources and even opportunities for a little good ol' competition. The staff also work hard to build and sustain a broader coalition of regional and national organizations dedicated to student environmental leadership as well as to cultivate the faculty and administrators who are key to students' leadership experiences while in school. Moreover, through its young professionals' initiative, Campus Ecology is working to ensure that college graduates continue to have leadership opportunities within National Wildlife Federation and the broader conservation and environmental arena.

While Campus Ecology is structured around three separate goals, these goals are complementary – and the innovative efforts in support of them often converge and overlap. Regardless of the specific goal, the end goal is the same – making that vision of a sustainable world a reality.

## METHODS

In working towards our three objectives of empowering student leaders, helping campuses dramatically reduce greenhouse gas pollution, and fostering greener education towards a new clean energy economy, there are many routes we could take. In our strategic planning, as we have evaluated our strengths, weaknesses and opportunities, our partners and organizational leverage points, we have chosen to focus on five methods for our work in recent years. They are: providing recognition and support, assessing trends and needs, fostering local networking, collaboration and partnership and advancing state and federal policy. We regularly reevaluate these approaches and anticipate continuing to experiment and revise them with input from our team members, a panel of Advisors and other stakeholders. (See full list of Campus Ecology's Advisors in Appendix F)

### 1. Providing recognition and support:

By awarding fellowships and internships and hosting a national competition, we recognize and support the sustainability efforts and attributes we value. Campus leaders receive an extra boost of support and recognition for their efforts in the form of positive educational and media coverage and small financial awards through the national competition. In the case of the Fellowships, support is given through consultation, networking with peers, professional development, modest stipends, and recognition from NWF and their community. Although there is a competitive aspect to some of our initiatives, we do support and treat all entrants as winners, offering resources (such as signed books from Van Jones, David Orr, Sarah Hammond Creighton and Anne Rappaport and other noted authors in the sustainability field), opportunities to submit case studies and an offer of consultation from our team.

The team also provides regular support to members and other stakeholders in the form of phone, email and on-site consultation on an informal basis and at no charge. We consult with

**\*1.3 million outreach statistic based on the following engagement opportunities: 37,000 through Chill Out (2007– 2009); 19,000 through Power Shift (2007–2009); 1,966 through conferences, keynotes and other events, 1,811 through student summits (2006–2009); 33 through Fellowships; 17,554 through resource guides, webinars and case study database; 1 million through Focus the Nation (2008); 250,000 through National Teach-In (2009), 5,000 through Live Earth.**





students, faculty and administrators all across the country on a range of issues, listening to their concerns, and providing lists of resources, contacts or other suggestions to help meet a variety of needs. We have become known as a go-to group over the years for a wide variety of green campus questions from all across the U.S. and abroad.

## 2. Assessing trends and needs:

For years, we fielded questions from the media and others about trends that we could not fully answer. They wanted to know how much water students use on average, whether recycling rates have gone up or down, what we are seeing in the area of green buildings, which are the most popular issues on campuses. As staff, we ourselves, wanted a more accurate sense of trends and needs, including where the greatest opportunities lie, which incentives and policies are widely in place, or how trends in greening the curriculum compare with trends in operations.

Ten years ago, we became the first organization in the U.S. to create a national trends assessment of sustainability in higher education and we remain the only organization to look at trends on a large scale collectively as opposed to rating or ranking individual campuses. Two national studies (in 2001 and 2008) have helped thousands of people better discern trends in operations, management and curriculum related to sustainability. This has helped us and others revise and target our programming. The studies have helped us see as well that anecdotal examples do not constitute a trend. For example, the *New York Times* and other media ran several stories covering efforts to infuse sustainability into specific courses or across the curriculum. Our national trends studies help us see that these examples remain the exception, not the rule, and that this is an area in need of much more concentration and work.

In addition to trends studies, we continually assess needs in the field and create educational materials and webinars that address topics that are not well covered elsewhere. These include webinars and reports on ways students are leading, how campus leaders are developing climate action plans, the business and moral case for campus climate leadership. We have also co-produced with campus leaders each year a compendium of case studies documenting the successes, lessons learned and next steps for a wide

variety of campus greening initiatives from dining services to habitat restoration to green buildings and sustainability studies.

## 3. Facilitating local campus networking:

After ten years of co-hosting more than 150 local or regional summits across the country, on a range of campus sustainability topics, the interest in local networking among campus and community leaders on sustainability issues remains palpable. Faculty, students and staff from multiple campuses with a mutual interest in advancing campus sustainability, meet each other, often for the first time, gain a sense of mutual interests and concerns, of new opportunities to explore or emerging issues in the wider community. Whether the topic is campus-wide climate action planning, greening the transportation system, or revising courses to better integrate a sustainability lens, campus leaders often have relevant successes, lessons learned, and resources to share with one another. To varying degrees, participants form communities of practice through follow-up meetings, listservs, webinars and informal ongoing sharing and learning.

Although a labor intensive approach, we have found local networking and information sharing events among the campuses to be worth the effort and appreciated by participating leaders. State, regional and utility policies are often common to all of the participants making it easier to share strategies for accessing incentives or reforming policies. Because they are all relatively close geographically to one another, participants can often use public transit or carpool to in-person meetings and the food can often be offered almost entirely from local sources.

## 4. Fostering collaboration and partnerships:

We believe in forming coalitions and teaming up with various partner organizations. We worked hard, for example, to help form the Energy Action Coalition, starting more than six years ago because we knew that multiple organizations working together for climate leadership would be appreciated by the students who often criticize environmental organizations for not working together and would result in a much greater turnout to leadership summits than any one organization could achieve alone. This approach resulted in the largest student environmental and sustainability summit in history, Powershift 2009, and sent a strong message to decision-makers and the media that youth are concerned about climate change and care about clean energy and green jobs.



Copyright: NWF

2008 Fellow, Sarah Mann, teaching children about their environmental impacts.



Copyright: NWF

2008 Fellow, Edward Speck-Kern, works on his "E-Limo" project converting a university 15-passenger van from gas to electric power.

Sometimes a campus leader just has a really good idea and we choose to back them up as has been the case with Dr. Eban Goodstein, who founded Focus the Nation, The National Teach-In, and Campus to Congress campaigns. We coproduced two webcasts with Focus the Nation and The National Teach-In, as part of the educational programming for the events. In many cases, we have also provided lists of key campus contacts to groups that have gone on to form regional and even national organizations or we have promoted our partners' efforts through our web blasts and newswire service.

## 5. Advancing state and federal policy:

Ultimately, big changes in the higher education curriculum and operations require incentives and support beyond the capacity of any non-profit organization or coalition of organizations. State and federal policies have addressed school energy efficiency, transit oriented development, green buildings, water conservation and more. More importantly, state and federal incentives can target curriculum change, providing support for research of best practices, professional development for faculty, revision of courses and accreditation processes and creation of new courses and programs of study.

This is why, working with the Campaign for Environmental Literacy and other organizations, we have made focusing on informing and passing education policies a key agenda item for National Wildlife Federation. In addition to passing environmentally related legislation, in the last few years, we have begun to place much more emphasis on influencing education policy and ensuring that education policy is built into appropriate environmental policy vehicles. These include federal funding initiatives focused on NOAA and EPA education programs, NASA and NSF climate change education, and climate and clean energy legislation.

## GOAL ONE: CULTIVATING STUDENT LEADERS

**NWF will involve roughly 20,000 campus student leaders who will, in turn, help connect with approximately 100,000 of their peers each year toward our goal of engaging one million students by 2020 in transforming "business as usual" into sustainable designs, clean energy systems and green jobs.**

Developing and supporting student leaders essentially works as a multiplier effect – each student leader can reach from dozens to thousands of their peers, bringing the message and practice of sustainability to campuses at that crucial grassroots level. Although since 2006 we have reached over one million students in educational awareness events, activities and campaigns, the next step is to engage them in advancing sustainability on a deeper level. Campus Ecology is empowering these young change agents through several innovative initiatives and tools: Campus Ecology Fellowships, the Chill Out competition, the Climate Ambassador Certification Web Course, National Education and Outreach Partnerships and Initiatives, and Alumni Engagement.

### BIG NEWS

Winning a Campus Ecology Fellowship is considered an honor among colleges and universities and the award often generates press coverage in the student's campus and local media. Since 2007, the Campus Ecology Fellowship Program has generated more than 20 articles, including a feature in The Boston Globe Magazine.



“I really felt that not only did I get to know about climate action on campuses, but that NWF got to know UIC and get us on the radar screen in the sustainability arena.”

– Cynthia Klein-Banai, 2008 Fellow, University of Illinois at Chicago

## Campus Ecology Fellowships: Intensive Environmental Leadership Support

The Fellowship program is perhaps Campus Ecology’s most hands-on, long-term, intensive leadership initiative. And it effectively spans two goals: cultivating student leaders (with an emphasis on quality over quantity) and supporting serious emissions reductions through related projects.

On one level, Fellowships are a mini-grants initiative. Campus Ecology awards modest grants and provides project support, recognition and practical experience in the conservation field to undergraduate and graduate students working on projects designed to help reverse global warming and more.

But on another level, the Fellowship program is finding, supporting and encouraging the next generation of environmental leaders. With Campus Ecology support, Fellows are taking the message of sustainability out of the classroom and into their communities.

Since 2000 Campus Ecology has supported 131 Fellows from 90 schools in 32 states and Puerto Rico. Campus Ecology enrolled 33 of those students for 2007-2009.

Fellows are selected, in part, for the commitment, initiative and creativity they’ve already demonstrated in climate leadership. And with this kind of natural drive, they’d probably leave a mark on their campuses regardless.

But the program gives Fellows a boost that can help make a difference in their projects. “This experience gave me the support I needed in order to accomplish my vision of a more sustainable campus, and in doing so, strengthened my belief in a sustainable future,” says Erica Tauzer, Class of 2008 Fellow.

This boost includes broadened recognition and support within the campus community, relationships beyond campus that could last a lifetime, help with projects, inspiration and career connections. The staff provides a project support framework, including resources, training, webinars

and reporting and evaluative processes to help Fellows maximize their project-related success and learning. In fact, the learning experience in managing projects and engaging peers may be the most important facet of the Fellowships.

Another telling aspect of the Fellowship program’s effectiveness is the long-term impact. **A majority of schools have continued the work the Fellows started or have made a commitment to sustainability in general as a result of a Fellow’s work.** Consider these examples of Fellowship projects’ staying power:

- **Manisha Snoyer (2000)** built on to Brandeis University’s campus-wide recycling program. The university continues to maintain a strong recycling system. In 2008 Brandeis switched to single-stream recycling, making it easier for people to recycle.
- **Jennifer Rambo (2002)** created a network of long-term and large-scale natural landscapes at Arizona State University. ASU’s campus is Arizona’s largest public arboretum, with facilities management instituting several practices designed to reduce the amount of water used and a current initiative is underway to automate the remaining systems so plants receive water based on both current weather conditions and a given plant’s evapotranspiration rate.
- **Reid Coffman (2004)** constructed an experimental green roof at Ohio State University to simulate environmental conditions and evaluate the ecological and economic costs and benefits. The university has since expanded the research and roof garden curriculum.

### Fellowship Highlight: Annual Fellowship Training

Thanks to generous support from funders, campuses and other donors, Campus Ecology has been able to continue hosting what has proven to be a critical component of the Fellowship program – the annual Fellows Training. The training brings the incoming class together for three days of presentations, discussion, brainstorming and networking at the NWF offices in Reston, Virginia and Washington, D.C. While the content changes

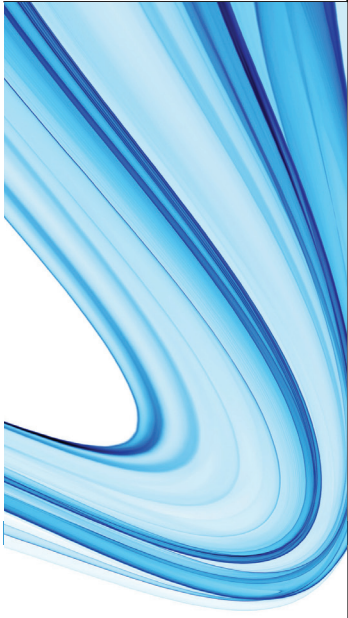


Copyright: NWF  
Fellows, Axel  
Ramirez and  
Prashant Tank  
brainstorm  
during the 2009  
Fellowship  
Training in D.C.



Copyright: NWF

**Fellows talk to Kevin Coyle, NWF's vice president of education and training, during the 2009 Fellowship Training at NWF's National Advocacy Center in Washington, D.C.**



from year to year, the feedback has been similar – students find the time together enhances their fellowship experience.

**2007 Highlights:** The 2007 Fellowship training coincided with NWF's annual meeting in Washington, D.C. which gave the fellows the unique opportunity to attend annual meeting events as well as meet with their public officials to discuss global warming legislation. In addition, the Fellows had the opportunity to talk with keynote speaker David Orr, environmental education advocate and chair of the environmental studies program at Oberlin College. The Fellows also attended a campus gathering on climate protection, participated in sessions on tracking and meeting fellowship deliverables, convening other campuses and press outreach, and wrapped up their training working alongside other annual meeting attendees at a river clean-up service day.

**2008 Highlights:** This year, two faculty advisors participated with their Fellows – an aspect Campus Ecology would like to encourage in future years based on the positive experience and feedback. The training incorporated many key NWF staff including President Larry Schweiger, Education Vice President Kevin Coyle and Marketing Communications Coordinator Ashleigh Poff.

**2009 Highlights:** Discussion between Fellows during the 2009 training focused on project topics and brainstorming methods to strengthen their efforts. The Fellows participated in talks with some of NWF's finest: Patrick Fitzgerald spoke about the work of the Education Advocacy team, Ragini Kapadia talked about the new Forest Justice Campaign and Kevin Coyle illustrated NWF's history and the scope of the organization's efforts. The Fellows also took part in a special tour of the *Green Communities* exhibit at the National Building Museum which highlighted ways that town and cities across the globe are taking on environmental initiatives in their communities.

#### **Meet the 2007-2009 Fellows**

Since 2007, Campus Ecology has awarded 33 fellowships – 17 of those in 2009 alone. And they are transforming their campuses. Fellows are converting vehicles from gas to electric, conducting greenhouse gas inventories, mapping and mapping energy use, building gardens, installing solar pan-

els, harvesting rainwater, constructing green roofs and wind turbines, developing climate action plans, and spurring their campus administrations to make measurable changes.

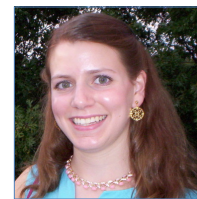
While one might guess these environmentally empathetic students would come largely from the environmental sciences, that guess would be wrong. The Fellows are multi-disciplinary, majoring in international business, English, political science, biology, engineering, landscape architecture, biochemistry and more. What they *do* have in common is their motivation to take action. In fact, many Fellows already have extensive experience in campus and community leadership. They've founded student groups, organized sustainability events, done grassroots fundraising and brought community members together on climate and sustainability issues.

Here's just a sampling from the Campus Ecology Fellowship rolls (see Appendix A for a full listing of Fellows from 2000-2009):

#### **Class of 2007**

##### **Elizabeth Cooke**

**Furman University, Greenville, South Carolina**



**Project:** Elizabeth promoted Furman's "Year of the Environment" through her work on the Furman Lake Restoration Project – an effort to increase and naturalize the vegetation around the campus's 28-acre lake. She constructed a rain garden to filter runoff and create wildlife habitat, worked to raise awareness about protecting and restoring biodiversity and installed educational signs.

**Biography:** Elizabeth graduated with a B.A. in earth and environmental sciences and English in 2008 and then spent the next year as a Compton Mentor Fellow working to combat deforestation in Haiti through the introduction of alternative fuels ([www.imaginehaitian.org](http://www.imaginehaitian.org)). She started a dual master's program in public affairs and environmental science at Indiana University in the fall of 2009. And she is putting the knowledge of rain gardens she gained during her Campus Ecology Fellowship to use in a stormwater management internship with the Monroe County Highway Department in Bloomington, Indiana.



**Elizabeth on her Fellowship...**

*When I first received the NWF Campus Ecology Fellowship to build a rain garden on my university's campus, I knew very little about the structure and purpose of rain gardens. Through the process of building the garden, I gained a much better understanding of how this seemingly simple tool can play an important role in improving water quality. The students who helped build the garden learned alongside me. I could tell immediately that the garden piqued the interest of the broader student body ... many students stopped by to ask what we were doing as we built and tended the garden. They were clearly not used to seeing their fellow students get their hands dirty with work usually done by university landscaping staff.*

**Class of 2008**

**Cynthia Klein-Banai  
University of Illinois at Chicago**



**Project:** Cynthia established a data collection mechanism for performing an annual greenhouse gas inventory at UIC while completing the inventory for fiscal year 2007 and 2008. To the extent possible,

she also collected data back to the early 2000s. Additionally, she conducted a survey of campus commuting practices and proposed a climate action plan. Aside from the immediate results of this project, long-term outcomes include greenhouse gas emission reductions, reduced energy costs through energy conservation, and increased awareness of sustainable practices and their benefits by the campus and community.

**Biography:** Cindy got involved in the environmental movement in the 1970s, cleaning up streams and fundraising. She got her first job in the environmental field in Israel where she worked for the Ministry of Health. Cindy founded the Office of Sustainability at UIC and has been serving as the associate chancellor for sustainability since January 2008. She holds a B.A. in biology from Washington University in St. Louis and an M.S. in environmental science from Hebrew University in Jerusalem. Cindy is currently a Ph.D. candidate in environmental and occupational health sciences at UIC and recently had a paper accepted for publication in *Environmental Practice*. She is conducting

research on developing a point system for the Sustainability Tracking, Assessment and Rating System being developed by the Association for the Advancement of Sustainability in Higher Education (AASHE).

**Cynthia on her Fellowship...**

*The Fellowship gave me a personal connection to a wide national network of people working at and with the National Wildlife Federation to accomplish similar goals of reducing greenhouse gas emissions and mitigating climate change. That personal relationship began with the training workshop at the start of the Fellowship and continues today in my research and career.*

**Class of 2009**

**Axel Ramirez-Madera  
University of Puerto Rico at Mayaguez**



**Project:** Axel supported seven fundamental campus "Green Resolutions," including transportation, recycling, energy conservation and efficiency, habitat, purchasing, education and water

conservation. He organized a bike marathon to promote biking commuting; established 10 campus recycling stations; organized several beach clean-up events; and started a study of energy-efficient hand dryers for bathrooms.

**Biography:** Raised on a farm, Axel grew up caring for nature which led him to study agricultural sciences. He recently earned his graduate degree in agronomy and is now a field biologist for Mycogen Seeds, a winter nursery company, where he oversees pest control and irrigation for corn, soybean and sunflowers. Axel plans to pursue a Ph.D. to become a plant breeder, professor and researcher focused on working with youth to find solutions to ecological problems.

**Axel on his Fellowship...**

*Here in Puerto Rico, students from different faculties (agricultural sciences, engineering, business administration, and arts and sciences) are working together on a broad project. We are very excited because we are doing something toward protecting the natural resources and educating others on and off campus on the use of those resources in an environmentally friendly way.*

**2006 Fellow  
David Guilliani**





**2005 Fellow  
Emma Mullaney**



**2003 Fellow  
Isiah Dalton**

### **A Fellowship Retrospective: Where Are They Now** (See Appendix A for full listings)

Since the Fellowship program's inception in 2000, Campus Ecology has granted 131 fellowships. Of those 131, two dropped out, leaving 129 to track and engage. Of those 129, we have been able to connect with or find information on 106 – a tracking success rate of 83 percent.

Of the 2008 and 2009 Fellowship classes, approximately 25 Fellows are still in school, seeking degrees in disciplines including environmental studies and sciences, agronomy, landscape architecture, mechanical engineering, sustainable economic development and geography.

Of the previous classes, 52 are currently working directly in the conservation and sustainability field. Careers span sustainability positions in higher education and government to leadership roles in environment-focused nonprofits. Here are a few examples:

- **Suzanne Savanick Hansen (2000) is Macalester College's sustainability manager.**
- **Shane Tedder (2005) is the University of Kentucky's first campus sustainability coordinator.**
- **Jessian Choy (2001) works for the city of San Francisco as their city toxics reduction assistant.**
- **Anna Heidorn (2001) is the land manager for the Lincoln, Massachusetts conservation department.**
- **Dee Allen Mayo (2002) works full-time on tribal environmental protection for the Lac du Flambeau Band of the Lake Superior Chippewa Tribe.**
- **Karyn Stockdale (2001) is the vice president and executive director of the National Audubon Society in New Mexico.**
- **Philip Aroneau (2004) leads creative new media projects for 350.org.**
- **Allison Rogers (2004) is a program manager for the Green the Capitol Office in D.C.**
- **Summer Rayne Oakes (2004) published a book in February 2009, *Style, Naturally*, which explores sustainable fashion and beauty.**

Some alumni are working in science-related education:

- **Stacey Strickland (2001) teaches middle school earth science in Cataula, Georgia**
- **Kelly Marie Smith (2001) teaches earth science in Henrico County, Virginia**

And others have contributed to international efforts:

- **Deborah Scott (2001) lived in Nairobi, Kenya for three years working for an NGO as the food sovereignty policy advisory.**
- **Sean Kinghorn (2002) worked for the Center for Sustainable Development and Caribbean Conservation Corporation in Costa Rica.**
- **Ron Schildge (2002) served in the Peace Corps in Malawi and taught at the Mahindra United World College of India near Mumbai.**
- **Jereme Thaxton (2007) works for KEO International Consultants in Abu Dhabi as a senior landscape architect.**

Of the Fellows tracked, 32 are currently seeking post-graduate degrees in the conservation and environmental disciplines:

- **Panama Bartholmy (2000) is an M.S. candidate at University of California, Davis in science and community development.**
- **Rose Tocke (2001) is working towards a master's degree in ecological restoration.**
- **Bryan Dewsbury (2002) is a biological sciences graduate student at Florida International University.**
- **Ariel Diamond (2003) is pursuing an MBA in sustainable management at the Presidio School of Management.**
- **Lisa Zak (2004) is in law school hoping to pursue a career in environmental law.**
- **Mark Owens (2005) is seeking a Ph.D. in political science from the University of Georgia.**
- **Christopher Noonan (2006) is finishing his final year at Clark University and will receive a masters degree in environmental science and policy.**
- **Elizabeth Cooke (2007) is pursuing a dual masters degree in public affairs and environmental science at Indiana University, Bloomington.**



**NATIONAL WILDLIFE FEDERATION®**



## Chill Out: Recognizing Climate-Smart Innovators

Engaging one million students in sustainability by 2020 means Campus Ecology must continuously develop innovative ways to engage them. While student fellowships provide a select few deserving individuals with more intensive support and training, the Chill Out: Campus Solutions to Global Warming competition is one of Campus Ecology's national-scale programs reaching thousands of students and their faculty and staff mentors.

Recognizing college and university innovation in reducing global warming pollution, Chill Out has grown rapidly since its launch in 2006. Over the past three years, the webcast has been viewed on 775 campuses by 39,000 students, faculty and staff in nine countries; video entry views have reached almost 100,000; and each year brings more and more press as Chill Out grows in popularity and name recognition.

**With its new Discovery Channel partnership, Chill Out made another giant step forward in 2009, reaching 50 million homes.**

America's leading competition and awards program for global warming solutions, Chill Out is easily one of Campus Ecology's highest profile outreach programs, garnering widespread attention in campus, community and national press. Over the last three years, Chill Out generated 264 regional and national stories in online and print media sources to a circulation population of two million and reached over 300,000 through public service announcements.

The annual competition recognizes the teams of students and other innovators of global warming solutions on U.S. campuses and provides a platform for sharing ideas among a global audience of campuses. Its goal is to foster creativity in designing solutions to global warming and, in doing so, offer inspiration and hope. And tellingly, students form the backbone of many of the featured projects.

From all reports, the effort is working. Participation

has grown steadily over the last three years and the projects entered have increased in scope and complexity. In 2009, the Chill Out webcast was hosted on 375 campuses – up from 250 the previous year.

## Improving the Chill Out Model

Chill Out has evolved in small and big ways since its inception, though the basic model remains the same. Each year the competition solicits written and video entries and chooses winners based on an established set of criteria. The competition culminates in a webcast pegged to Earth Day that brings together competition winners and campuses from across the nation.

From 2007 to 2008, Chill Out incorporated changes to the entry format, adding specific awards categories. (Categories change from year to year but have included transportation, energy efficiency and creating a comprehensive climate action plan). And in 2008 Chill Out began developing in-kind partnerships to help promote the program. Notably, organizers secured a corporate sponsorship from Stonyfield Farm who produced a **promotional lid that circulated nationwide on 5 million yogurt cups.**

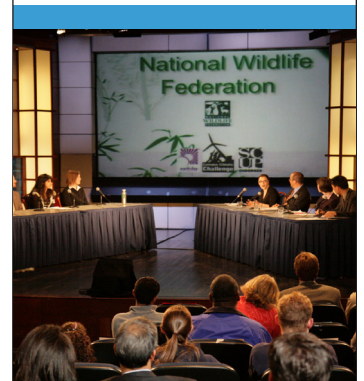
But the biggest improvements came in 2009.

First of all, Chill Out modified its video competition component, introducing online voting and partnering with a new online host – GoGreenTube. Along with hosting the video competition, GoGreenTube assisted with outreach and built an online voting functionality. And the increased interactivity of the video competition has paid off. **Views of Chill Out 2009 video entries have topped 50,000 – up from just over 14,000 in the previous year.**

Secondly, organizers retooled the Chill Out webcast. Previously, the webcast included a panel discussion interspersed with films produced on the winning campuses. Feedback indicated the panel format slowed the program, resulting in an overly long, 90 minute program. So, in an effort to enliven and shorten the webcast organizers brought in some of the film industry's best professionals to produce a prerecorded webcast.

Copyright:  
Fritz Myer

**Inaugural year of  
Chill Out--hosted  
live event at GWU  
in Washington  
D.C.**





Copyright NWF: **The Imagen Foundation Awards in Los Angeles, August 2009. Director Melissa Balin, Chill Out Manager Jen Fournelle, Actor José Yenque, NWF Board Member Lyvier Conss, and Producer Melinda Esquibel**



Copyright: NWF  
**Stonyfield Farm's yogurt lid campaign for Chill Out 2008**

**“If every campus, business and organization in the country followed the example set by the Chill Out winners, we would dramatically curb U.S. global warming pollution and create a more sustainable, clean energy economy.”**

– Julian Keniry,  
Campus Ecology Senior Director

Shot by world-renowned cinematographer Eric Adkins (*Sky Captain & The World Of Tomorrow*), directed by Melissa Balin of The Brookturn Company (*Green Means Go*), and produced by NWF and Melinda Esquibel of Mundo Maravilla, the 2009 webcast featured an all-star cast of students, faculty and staff from the winning campuses and a broad range of advocates and activists in today's environmental movement, including Academy Award-Winning producer Lawrence Bender; actor Courtney Gains (*Sibling Rivalry*); musician and composer Ethan Gold; comedian and host of Planet Green's *Wa\$ted* Annabelle Gurwitch; musician Nick Jago; actor Efrén Ramirez (*Napoleon Dynamite*); actor Alisa Reyes (*Nickelodeon's All That*); founder and CEO of Karmaloop.com Greg Selkoe; director, screenwriter and actress Angela Shelton; actor and stuntman Isaac Singleton Jr.; producer, first president of eBay and founder of Participant Media Jeff Skoll; Tony-Award-winning poet “Poetri” Smith; actor Douglas Spain (*HBO's Walkabout*); actor Michael Welch (*Twilight*); actor Jose Yenque (*Traffic*); actor Shawn-Caulin Young (*Dreams and Shadows*); and music by The Steps.

But among all the webcast's glitterati, the Chill Out message was the star. The program includes video segments telling the stories of winning campuses and their projects; statistics on campus sustainability and global warming; and even a segment from new EPA administrator Lisa Jackson. And in keeping with the mission, the webcast itself is a low carbon footprint production. It goes well beyond the industry's sustainable filmmaking guidelines and has been recognized by the Environmental Media Association's Green Seal Program for using the film industry's best environmental practices.

Finally, Chill Out generated new momentum in 2009 through some innovative partnerships and recognitions. First of all, the team partnered with Discovery Channel's Planet Green, producing four public service announcements that ran on the Planet Green network. **Planet Green runs into 50 million homes.** The network also posted blogs on their website and on TreeHugger.com in support of the webcast. Secondly, Chill Out and Austin band The Steps developed a creative marketing effort together. The band wrote a song about Chill Out for use on the webcast and PSAs and also gave

a concert to the campus that registered the most people for the webcast. The winning campus was the University of Illinois at Chicago. **Lastly, Chill Out** was nominated by **The Imagen Foundation** for “Best National Informational Programming” for the positive portrayal of Latinos and Latino culture in the entertainment industry. It was the first webcast to be nominated for this prestigious award. The Imagen Foundation strives to bridge the gap between the Latino community and the entertainment industry and Campus Ecology was thrilled to be nominated for the diverse talent we had in the webcast. Getting diverse campus communities to come together in the fight for climate action is key and we consider the Chill Out competition a valuable tool in cultivating a diverse group of youth leaders. The recognition from The Imagen Foundation brings Chill Out to a new audience and we hope it will encourage youth from all backgrounds to step up and take action.

Always with the goal of improving Chill Out, the 2009 Fall competition was reworked and all entrants had to create a two minute video along with filling out the written entry form. This allowed the campuses to showcase their projects in their own ways and get creative with the videos. Entrants entered their videos in one of four categories—Students in Action, Green Jobs and Education, Cutting-Edge Research, Design, and Technology, and Campus Actions in Administration, Operations, and Planning. The competition closed on January 31, 2010. The entries were judged by NWF staff and partners, except for the “Best Video” prize which goes to the campus that receives the most online votes. Video entries can be viewed at <http://www.gogreentube.com/groups/NWFChillOut2009>.



## Competition Winners

Chill Out awards a grand prize plus separate prizes for each written category winner and video entrants. A panel of judges from NWF and other leading national experts on sustainability issues judge the written entries. In 2009, video competition winners were selected completely through online voting (set up in partnership with video competition host, GoGreenTube.) See Appendix B for a complete list of winners since 2007.

Here's a sampling of some of the award-winning work since 2007:

### SELECTED AWARD WINNERS 2007

**California State University, Chico (Grand Prize Winner)—Chico, California**—for signing a long-range commitment to reduce greenhouse gas emissions and to become “climate neutral,” and requiring that all new building construction is compliant with the Leadership in Energy and Environmental Design (LEED) Green Building Rating System. The university is conducting a greenhouse gas inventory and has numerous student-led sustainability efforts like creating biodiesel from campus cafeteria waste oil and sustainability service-learning projects.

**Oregon Institute of Technology—Klamath Falls, Oregon**—for the use of geothermal energy to meet all its heating needs.

**Temple University (Video)—Philadelphia, Pennsylvania**—for teaching inner-city children about global warming.

### SELECTED AWARD WINNERS 2008

**Butte College (Grand Prize Winner)—Oroville, California**—for its on-track plan to be carbon neutral by 2015 *without* carbon offsets. The college is employing energy efficiency measures in all campus facilities, as well as a Green Building certificate program for five new buildings. From 2002 to 2006, Butte College decreased its electricity and natural gas use by 33 percent. Other accomplishments include installing a large solar array that produces electricity for the college, recycling 75 percent of its waste stream, and running the largest community college transportation system in California, keeping 1,000 cars off the road daily.

**Berkshire School (Innovative and Experimental Solutions Category Winner)—Sheffield, Massachusetts**—for students' role in implementing a cap-and-trade global warming pollution emissions trading system among student residences, providing an economic incentive for reducing the school's electricity use and carbon emissions.

**Berea College (Video)—Berea, Kentucky**—for its video “Doing the Green Thing” showcasing the school's 8,400 acre, sustainably managed forest that offsets their carbon emissions. The video also covers an educational farm that provides local food and demonstrates sustainable farming techniques.

### SELECTED AWARD WINNERS 2009

**Massachusetts Maritime Academy (Grand Prize Winner)—Buzzards Bay, Massachusetts**—for running the “Lead by Example Sustainability Initiative” aimed at setting the standard for responsible management of non-renewable resources. The Academy has introduced sustainability issues into the curriculum and students learn proven strategies for reducing energy use both in the classroom and in real life. One of the school's many green initiatives is a 242-foot tall wind turbine, expected to generate 25 percent of the school's electricity needs and translate to a savings of \$300,000 per year.

**California State University, Northridge (Innovative Design and Technology)—Northridge, California**—for its one megawatt fuel cell power plant – the largest such installation at any university in the world. The ultra-clean plant produces 18 percent of the campus's electricity and nearly eliminates associated heating, cooling, and maintenance costs and emissions.

**Longwood University (Video)—Farmville, Virginia**—for its video “Longwood ... Creating a Sustainable Future” showcasing several of the school's accomplishments: a waste sawdust-burning steam plant (from local sawmills) that provides 80 percent of its heat and hot water, a trayless dining hall that reduces food waste by two tons per month, a LEED Gold certified health and fitness center and athletic field press boxes made from recycled shipping containers.

Copyright: Western State  
College of Colorado  
Western State  
College of Colorado  
won the Students in  
Action Category for  
Chill Out 2009-2010



## Climate Certification Web Course: A Pilot Test Underway



**Climate  
Ambassadors**  
ONLINE CERTIFICATE COURSE

The Climate Action Certification course is another way Campus Ecology is planning to cultivate new campus audiences. The course's goal is to:

- **Certify thousands of students from varying disciplines in basic climate science and the range of effective approaches to curbing global warming pollution in diverse sectors.**
- **Encourage participants to experiment with the solutions in their campus and community settings through giving presentations and launching projects.**

Working with Washington State University (WSU) Center for Distance Learning, Campus Ecology completed beta and pilot tests with hand-picked campuses in late 2008. After two rounds of edits and another round of review by staff scientists, it became apparent the course would need to be considerably revised to reflect new tools and information. Meanwhile, the director at WSU's Distance Learning Center moved on and both the web platform and terms for engaging external partners changed. The team is currently seeking funding to create a new platform, revise the pilot and handle the web programming in house.

## National Education and Outreach Partnerships & Initiatives: Partnering to Extend the Reach

Engaging one million students in sustainability activities doesn't seem as daunting when you consider the number of organizations with a similar purpose. Campus Ecology **partners with over 70 organizations** (including the more than 40 organizations that are a part of the Energy Action Coalition) committed to education and environmental leadership. (See Appendix C for a full list of Campus Ecology partners.)

These partner projects include – in part – green economy-related webinars (Jobs for the Future, National Association of Community Colleges, Partnership for Environmental Technology Education); curriculum reform (Campaign for Environmental Literacy, National Science Foundation); Chill Out (National Association of Campus Activities and others); the resource guides (AASHE and the Society for College and University Planning), and campus climate action networks (Second Nature, Clean Air-Cool Planet). Campus Ecology team members also serve as senior advisors to AASHE, Net Impact and Agnes Scott College and are currently seeking new content partners for *ClimateEdu*.

Regardless of the scope, these partnerships advance mutual efforts towards the larger goal of engaging students in sustainability efforts – from restoring ecosystems to designing more sustainable communities. Each holds a distinct piece of the puzzle, but together they create a full, robust picture.

While organizations have diverse focuses, sharing resources and knowledge widens the net, brings fresh ideas and amplifies the overall effect. Plus, students, faculty and staff tell Campus Ecology they appreciate knowing that groups collaborate and that by selecting one or two primary groups with which to work, they can trust they will also be plugged into opportunities with many or all of the other groups that can benefit them on a state, regional or national level.

Campus Ecology's partnerships take many different forms – some are major events such as the 250,000-strong National Teach-In or Power Shift. Others are small collaborations such as Campus Ecology's partnership with the Austin band, The Steps for Chill Out (see Chill Out section) or work with the Society for College and University Planning (SCUP) on the guide to campus climate action planning.

Since 2007, Campus Ecology has put increased emphasis on supporting partners (see Appendix C for full list of partners) and their related campaigns.

The following partnerships and outreach events – National Teach-In, Energy Action Coalition, Power Shift, Power Vote and Focus the Nation – are just

a few examples of how Campus Ecology uses and contributes to partnerships in support of campus sustainability:

#### National Teach-In

A project of the nonprofit organization Education for Global Warming Solutions (EdSolv) and directed by Bard College professor Dr. Eban Goodstein, (Goodstein is also director of the Bard Center for Environmental Policy, and former economics professor at Lewis and Clark College) with the National Wildlife Federation and several other organizations, the National Teach-In organizes campuses, faith organizations and civic groups around a single topic – global warming solutions.

**The February 5, 2009 event engaged an estimated 250,000 individuals and 800 campuses, faith organizations and civic groups in climate change dialogue.** NWF and Campus Ecology were involved as a sponsor and co-producer of the Teach-In webcast (both a campus and faith version) “Solutions for the First 100 Days.” The webcast was documented in more than **100 print media outlets** (18 national, 16 regional, 17 state and 57 campus stories) and had **30 TV hits in nine states** including local and regional NBC, ABC and CBS affiliates.

#### Reports from National Teach-In campus events:

**Michigan State University:** Campus Ecology field coordinator Juliana Goodlaw-Morris attended the MSU event and reports the campus hosted a full day of lectures, workshops and webcast viewing. Over 100 students, staff, faculty and community members engaged in discussion surrounding climate change and how individuals can make a difference. The Teach-In was an example of how community members can engage with the university to explore and learn about pressing issues.

**University of Maryland:** Julian Keniry and Xarissa Holdaway supported the University of Maryland’s event organized by the campus’s Clean Energy Alliance. Julian writes: “What a fabulous event – an over-packed room watched the webcast intently, laughing uproariously when Eban says, ‘You’ll never remember the paper you didn’t write in 30 years.’ There was a letter to Congress process afterwards and we identified a good number of students who will work on the videogram to Congress. The whole program was very powerful.”

**Warren Wilson College:** A highlight from WWC’s day of National Teach-In events included a CO<sub>2</sub> emissions cube created out of rope (27ft X 27ft X 27ft) showing the size of one ton of carbon dioxide. Environmental Leadership Center (ELC) education coordinator Stan Cross said, “I am filled with hope working beside these students who care enough about our collective future to put time and energy into educating our campus community about the challenges climate change poses and the actions we can all take to begin working toward solutions.” The event involved about 200 campus members, with approximately 18 individuals serving as the teachers and 180 educated.

#### Energy Action Coalition

Campus Ecology is a founding partner of the Energy Action Coalition – a youth-initiated alliance of 36 active and 14 supporting partners working together to create change for a clean, efficient, just and renewable energy future. The coalition is addressing climate change by winning clean energy victories at the local, state, national and international level. Since 2006, EAC has launched two important new campaigns – Power Shift and Power Vote.

#### Power Shift '07 and '09

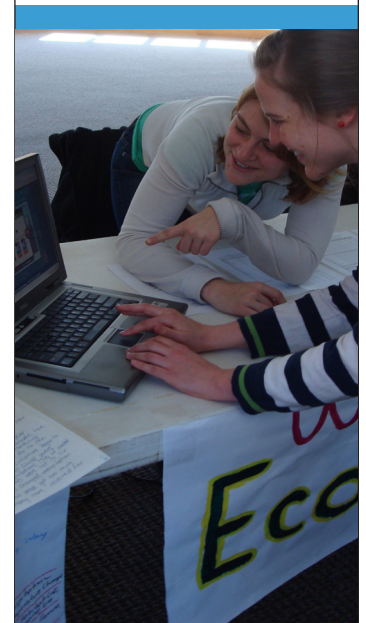
(Note: Power Shift events were supported by National Wildlife Federation general funds and were not grant supported)

The Power Shift conference and campaign is the first-ever national convening of young people on climate change. **The Power Shift '07 Conference brought over 6,000 youth leaders together to Washington, D.C.**

**For 2009, the Power Shift conference in February doubled in size, drawing 12,000 youth** for three days of workshops, speakers, panels and visits with Congressional leaders. The energy generated by Power Shift '09 has parlayed into an ongoing Power Shift campaign to advance strong federal climate leadership.

NWF and the entire Campus Ecology team mobilized in support of Power Shift, playing a labor intensive role. In addition to raising additional funding for the conference through NWF President Larry Schweiger and his connections with Al Gore’s Climate Project, Campus Ecology conducted con-

Copyright: Stan Cross  
Warren Wilson  
College Students  
calculate their  
carbon footprints  
as part of the  
college’s National  
Teach-In activities





Copyright: NWF

**Students gather at the University of Maryland for Power Shift 2007 festivities.**



Copyright: Xarissa Holdaway

**Student at the University of Maryland gather to watch the National Teach-In webcast.**

certed outreach over a period of months recruiting and housing busloads of students, created the organizers' toolkit, hosted 50 diverse students for a networking luncheon, led nine workshops and a packed meeting with students from Texas, and participated in weekly and more frequent coordination meetings with organizing partners.

Additionally, with the help of NWF's Affiliate program, the Campus Ecology team was able to facilitate the attendance of four youth associated with NWF's state affiliate organizations in Indiana, Minnesota, Rhode Island and South Carolina. In total, Campus Ecology had nine applicants for the scholarship and approved five although only supplied financial aid to four. One recipient, in the end, did not have to pay for travel or accommodations during her trip.

#### **Reports on Power Shift from scholarship recipients**

A few of the scholarship recipients report on their Power Shift experience.

**Michelle Porter**, intern with the Indiana Wildlife Federation, writes:

*I learned a lot at Power Shift and it was a very motivating experience. I enjoyed hearing from people who have a lot of passion and experience in the climate change movement. Since I have returned from Power Shift I have continued my work here at IWF working on the climate change campaign, we have gathered signatures on over 100 letters since the beginning of March and those have been mailed to Senators Bayh and Lugar, as well as the House representatives within the corresponding districts. Thanks for the great experience!*

**Kyle Burns**, employee with the Indiana Wildlife Federation, writes: *Simply seeing the huge crowd of young people gathered in one place was a powerful experience for me. It was impressive to see so many young people, who already work on environmental issues and will continue to do so professionally after graduation, show such enthusiasm for policy reform and action.*

**Ericka Schmidt**, employee with the Minnesota Center for Environmental Advocacy, an organization that works closely with the Minnesota Conservation Federation, writes: *I had such an amazing time at Power Shift '09 and feel so lucky that*

*I received an affiliate scholarship from NWF. I met a lot of wonderful people and made so many connections, especially with people from Minnesota which I believe will prove to be incredibly valuable. I am already meeting with some folks to "debrief" and "strategize" about how we can continue to feel energized from Power Shift and make things happen here in Minnesota. One great thing for me was connecting with key students from universities in my area. MCEA is very interested in engaging youth in our work and Power Shift was the perfect venue for making those connections.*

For Campus Ecology, Power Shift was not only a galvanizing experience but an important one for creating new connections. For one, connecting young people working with NWF affiliates to the wider NWF programs enhanced Campus Ecology's ability to further reach its constituents. In addition, the scholarships enabled NWF regional representatives to assist the Campus Ecology team in recruitment of the scholarship recipients. It opened the door for Campus Ecology field staff to work with NWF affiliates on campus climate action networks.

**In Fall 2009, thousands of young people rallied across the United States for the Power Shift '09 Regional Summits consisting of 11 monumental gatherings to exercise the political power of young people around clean energy jobs, rebuilding our economy, ending our dependence on dirty energy, and bringing America lasting security. NWF's Campus Ecology team, in its role as a founding member of the Energy Action Coalition, took the lead on three of the youth summits in Michigan, North Carolina and Florida and had a notable presence at six of the eleven gatherings.**

#### **Highlights from regional Power Shift '09 events:**

##### **Michigan Power Shift, Oct. 9-11, 2009**

Juliana Goodlaw-Morris and Praween Dayananda, NWF campus field coordinators, and Kassie Rohrbach from the Forest Justice Campaign, were major players in this climate action summit of 300 youth activists, students and community members. The weekend featured keynote speeches, community service projects, workshops, a 3-on-3 climate



action basketball tournament, a Fair Trade and Green Expo Market, an eco-fashion show and a climate action rally on the streets of Lansing ending at the State Capitol. Community service projects generated at the summit included a bike co-op for the city of Lansing and a student-maintained urban garden. Participants also helped launch GreenNation, an organization focusing on social equity through the green movement. Power Shift Michigan received significant media attention. Check out the Michigan Power Shift website for videos, blogs and photos: [www.michiganpowershift09](http://www.michiganpowershift09).

#### **Carolinas Power Shift, Oct. 16-18, 2009**

This summit drew 350 students and included 60 speakers, workshops, open space, concerts and a clean energy & climate call to action. Organized by NWF and Southern Energy Network with help from Energy Action Coalition and Grassroots Solutions, Carly Queen, NWF campus field coordinator, handled most of the event programming and budget and Lisa Madry, campus field director, handled onsite logistics. Several young participants described the event as “life changing” and many have committed to actions to expand the movement for strong federal climate leadership and a bold international treaty to address the effects of climate change and worldwide environmental degradation.

Check out the Carolinas Power Shift video: [www.youtube.com/watch?v=I7C8hXSkO4Y](http://www.youtube.com/watch?v=I7C8hXSkO4Y)

#### **Florida Power Shift, Oct. 23-25, 2009**

Organized by NWF and the Southern Energy Network with help from Energy Action Coalition and Grassroots Solutions, this summit drew 200+ and included 50 speakers, workshops, open space, concerts, a 350.org action event, the Operation Free Veteran’s Tour and a clean energy & climate call to action. Carly Queen handled most of the programming, the budget and website; Lisa took care of many onsite logistics; and Juliana handled registration. Participants left the summit having made numerous commitments to continue contacting their representatives on a regular basis to let them know what bold climate and energy legislation means to them.

Campus Ecology and NWF also had a presence at the Virginia Power Shift (Oct. 23-25), the

Pennsylvania Power Shift (Oct. 23-25) and the Ohio Power Shift (Nov. 6-8).

## **Forest Justice**

**National Wildlife Federation in partnership with 350.org, Focus the Nation, SustainUS, and the Union of Concerned Scientists launched the Forest Justice campaign at Power Shift 2009. Forest Justice aims to lift up the role of deforestation in global climate change. The campaign encourages young people to have an impact on reducing tropical deforestation at the local, national and international level through a variety of strategies including adopting campus paper and wood policies, organizing educational events on campus and in the community, and connecting with policy makers to ensure the climate bill addresses this issue. The campaign has hosted several educational webinars, offered free film screenings for campuses of “Taking Root: The Vision of Wangari Maathai” and developed a wood and paper procurement toolkit for campuses.**

#### **Power Vote**

(Note: Power Vote was supported by National Wildlife Federation general funds and were not grant supported)

During the 2008 election season, Campus Ecology partnered with Energy Action Coalition to launch Power Vote, a new get-out-the-vote campaign uniting youth voters around clean energy, climate protection and green jobs. Organized on more than 300 campuses, Power Vote generated 341,127 pledges from youth organizers who promised to vote and hold whoever was elected at all levels of government in 2008 accountable for shifting to clean energy and creating millions of new green jobs.





## Focus the Nation 2008

Focus The Nation 2008 brought together more than 1,800 colleges and universities and nearly one million students for a nationwide teach-in on global warming solutions. This educational initiative was the largest teach-in in U.S. history, galvanizing an inter-generational partnership for the first time since the civil rights movement of the 1960s.

The event launched on January 30<sup>th</sup> with a live web cast – The 2% Solution – produced by NWF. Campus Ecology along with several members of NWF’s communications, conservation and grassroots teams helped make the webcast a huge success. Focus the Nation participants dialogued with 75 members of Congress as well as several governors. Media coverage included stories in hundreds of daily newspapers and online at the *New York Times*, *Business Week*, *Time*, *MSNBC* and *Forbes*. Views of the webcast have topped 25,000.

## Engaging Alumni: Closing the Circle (To Keep it Rolling)

Cultivating the next generation requires cultivating the past ones. One of Campus Ecology’s goals is to solidify its alumni base and grow alumni participation with emphasis on recent graduates and young professionals. Working closely with relevant NWF programs, Campus Ecology is working to cultivate NWF alumni (Campus Ecology fellows, interns and other involved youth) to serve in leadership capacities within NWF and its affiliate organizations. The goal is to **engage fresh ideas and youth-related perspectives in already existing roles while providing meaningful learning experiences and professional development for recent graduates.**

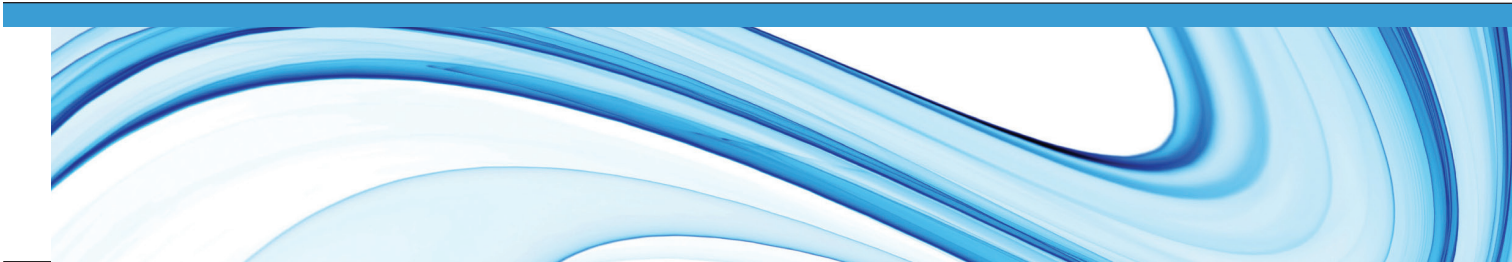
Over the past several years, much has been done to keep our alumni engaged. In 2006 and 2008 we surveyed our former fellows and interns to gauge their interest in staying connected with Campus Ecology and the broader organization. As a result of these surveys, alumni have engaged in a variety of ways with NWF including participating in a special young professionals group that attended the 2008 NWF annual meeting, serving as Campus Ecology’s Advisors, inviting alumni to special events and reaching out with various volunteer

requests. All of these efforts have been somewhat segmented, and our goal with the alumni program is to bring all of these efforts together into one cohesive program.

## Where We Are

In the last year, Campus Ecology revamped our alumni initiative through strategic planning of an internal NWF working group and developed a clear, achievable action plan that will track and keep alumni connected from all NWF youth programs (including Campus Ecology fellows, interns and young professionals from NWF’s other youth programs such as the Alaska Youth for Environmental Action (AYEA) and Earth Tomorrow). The plan is as follows:

- **Track all NWF alumni, including collecting current contact information and what they are doing now.**
- **Communicate with alumni through a variety of mediums including a monthly e-newsletter that will be sent out via our alumni listserv, Facebook and LinkedIn networks. The monthly communication will highlight NWF opportunities as well as opportunities and news in the environmental field. The listserv will allow alumni to respond with comments or questions to the whole group and the combination strategy for messaging through Facebook and LinkedIn will give alumni the option to stay connected with their preferred tool.**
- **Maintain an online networking space through Facebook and LinkedIn that will allow alumni to not only stay engaged with NWF, but also with each other.**
- **Create a core list of alumni that are interested in higher-level engagement with NWF—such as serving in advisory roles or participating in regional and national events as representatives of NWF. We will create a list of these higher-level opportunities within NWF and our affiliate organizations and help make these connections.**



Since laying out the alumni action plan, the team has made measurable progress.

- **Over the last eight months, we have been in contact with 85 percent of our former fellows requesting updated contact information and finding out what they are currently doing.**
- **We have started building the core list of alumni that that have expressed interest in higher-level engagement with NWF.**
- **We have created the online networking area for NWF alumni on Facebook and Linked In.**
- **We sent the first alumni e-newsletter in May 2010—This went out through a listserv as well as Facebook and Linked In.**

#### **Alumni Stories**

##### **Erik Cole, NWF D.C. Intern, 1995**

Erik continues his activist work as a member of many community organizations such as the Tennessee Bar Association's Access to Justice Committee, Rediscover East and Metro Homelessness Commission. He is currently the executive director for the Tennessee Alliance for Legal Services and has served as a Nashville District 7 council member since 2003. Erik earned his B.A. in political science from James Madison University.

##### **Marjorie Lifsey, Wetlands and Water Quality Intern, 1996**

An environmental attorney in Portland, Oregon Marjorie was recently appointed the sustainability program director for the Oregon Department of Transportation. Marjorie's internship with NWF ultimately led her to enroll in law school at Lewis and Clark College. She practiced law in the private sector for six years before moving back into the public sector, working on hazardous waste and water quality issues.

##### **Nathan Arbitman, Environmental Policy Intern, 1997**

Nathan works for DuPont's Photovoltaic Solutions business, marketing next generation materials to solar module makers worldwide. Prior to joining DuPont, Nathan spent more than 10 years working on assignments in strategic marketing,

renewable energy and environmental management for the Coca-Cola Company, GE Power, Aveda Corporation, the Dial Corp., Tetra Tech EM, Inc. and Sustainable Conservation.

##### **Letty Brown, Wetland Conservation Intern, 1999**

Letty recently earned her Ph.D. in forest conservation biology from University of California, Berkeley. She is currently working in Brazil as a Fulbright scholar conducting mapping and a corridor analysis of an Atlantic Forest region (a biodiversity hotspot) and teaching a graduate course.

##### **Gina Schrader, NWF D.C. Farm Bill Intern 2000**

Gina works as a conservation associate at Defenders of Wildlife where she manages two wolf conservation programs, monitors and comments on federal and state wolf management initiatives, produces educational and outreach wildlife conservation materials, and serves as the conservation representative to multiple wolf conservation groups. As a participant in Emerging Wildlife Conservation Leaders, Gina is also working on an international campaign to address the illegal wildlife trade of endangered Asian pangolins. Gina holds a B.A. in political science from Western Michigan University.

##### **Andrew Lee, Campus Ecology Fellow, 2006**

After graduating, Andrew and his colleagues started a company to work on their software program, Fantasy Congress, a game similar to Fantasy Football but with members of Congress. One of the goals was to make government more transparent and engaging for the typical American. Post-Fellowship, Andrew has remained active with Campus Ecology. In 2007 and 2008 he hosted the "Chill Out: Campus Solutions to Global Warming" webcast. Andrew is part of NWF's Young Professionals group, attending the 2008 Annual Meeting and staying engaged with the group, NWF staff and affiliates. He also serves on Campus Ecology's advisory council.



2005 Fellow Carolyn Lambert

**My time at NWF in the D.C. office was a formative one for several reasons. I worked with one of the best mentors I've had – wetlands lawyer Grady McCallie – and am still in contact with many fellow interns who are doing top-notch conservation work. It also allowed a very close look at the science-policy connection (and often, disconnection) on the Hill – one that few scientists experience firsthand. It has had a profound impact on my attitude towards conservation research.**

– Letty Brown, Wetland Conservation Intern 1999



## GOAL TWO: REDUCING THE CARBON FOOTPRINT AT 1,000 CAMPUSES

**NWF will add measurable value to student efforts to reduce their institutions' carbon footprints, ultimately achieving a minimum 30 percent reduction in greenhouse gas emissions at 1,000 campuses by 2020.**

America's 4,000 plus college, university and community college campuses comprise a significant effect on American energy consumption and offer vitally important opportunities to serve as exemplary models of effective low-carbon development, planning and implementation strategies.

### Regional Team Work

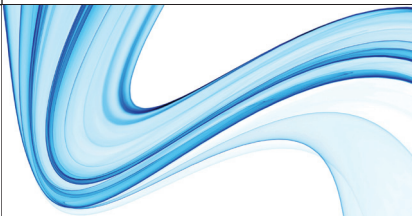
Those one million students aren't sitting in the NWF offices. They're in classrooms, clubs, residences, sororities and sport teams all across the country. So Campus Ecology's field team adds crucial additional, regionally-based outreach capacity to the goals of engaging one million students and reducing global warming pollution on campuses by 30 percent or more by 2020.

Since 2006, Campus Ecology has been able to expand its presence in the field. Joining Campus Outreach Director Lisa Madry are Praween

Dayananda in Austin, Juliana Goodlaw-Morris in Ann Arbor and Carly Queen in Atlanta.

While the entire Campus Ecology team supports every element of Campus Ecology's work, the additional field support has allowed Campus Ecology to amplify its presence. Field coordinators represent NWF at events, lend a much-needed hand in organizing and delivering regional campus climate events, build working relationships with faculty and staff onsite, leverage their regional knowledge and networks to create networking and training opportunities for campuses, and work with partner organizations to bring more comprehensive support and information to colleges and universities.

The field team's overall directive is to help educate and engage campus communities in climate and sustainability initiatives. And a major part of how they do that is in facilitating collaboration among campuses in the same region. The premise is simple: Working together, colleges and universities will be able to accelerate the pace of change far beyond what they could do individually.



Copyright: NWF  
Students rally at the state capitol building during the 2009 Michigan Power Shift events.

## Climate Action Networks

A recurring theme in the sustainability movement is collaboration. Combining efforts is absolutely essential if we are to succeed in propelling the globe toward the 30 percent emissions reduction by 2020.

To accelerate climate leadership on and off campus, Campus Ecology is building and strengthening Climate Action Networks across the country. Over the last three years, the team has held numerous campus climate action summits and worked with participants to form learning communities in the places where there is a need and interest. These networks bring campuses in a region together to facilitate the sharing of best practices and assist campuses to make steady and substantial reductions in greenhouse gas emissions.

So far, Campus Ecology has regional networks in Southern California, Texas, North Carolina, Chicago, the Upper Midwest and Georgia. Our team is working with regional partners to further strengthen the networks by regularly providing new resources, engaging the broader community, including local government and business and seeking ways to create joint projects in the areas of green purchasing and sustainability curriculum.

As of this writing, Campus Ecology is surveying participants from campus summits and these maturing networks regarding their progress towards the 30 percent goal in order to fine tune programming. Feedback so far suggests that climate action planning is an essential step in identifying and prioritizing technical and behavioral options on campuses, but that campus leaders encounter numerous barriers that Campus Ecology can help them confront as they proceed with implementation. Many campuses in the networks have moved beyond conducting their first greenhouse gas emissions inventory and with the help of Campus Ecology now have climate action plans which will help them reach their goals of carbon reduction.

### Report on climate action summits

Campus Ecology has been proactively promoting regional networks, starting with climate action summits. So far, Campus Ecology has hosted or cohosted more than fifteen campus climate action summits, reaching more than 1,800 students,

faculty and staff. Here's a look at just a few of the campus climate summits:

### Re-Energize Texas Summit – Austin, Texas

This first-ever youth conference on global warming in Texas convened more than 200 participants from 28 Texas colleges and universities in February 2008. Attendees worked with each other to formulate climate action plans on campus and in their broader communities, listened to speakers and attended workshops and trainings. The summit also marked the launch of the **Re-Energize Texas Youth Coalition** comprised of young people from across Texas committed to safe, clean, efficient and sustainable solutions to the climate crisis. The event garnered media coverage in five college newspapers, two local newspapers and TV. A story about the event ran 28 separate times on local TV. According to Nielsen Audience estimates, the stories were watched by 150,000 people.

### Southern California Campus Climate Summit – California State Polytechnic University, Pomona, California

Drawing more than 90 faculty, staff and student participants from 22 colleges and universities and three organizations to California State Polytechnic University, Pomona (Cal Poly, Pomona) in April 2008, campus leaders discussed strategies for reducing net campus greenhouse gas emissions alongside campus growth. The summit included a briefing by Cal Poly President Michael Ortiz and NWF Vice President for Education and Training Kevin Coyle on the role of higher education in global warming solutions and breakout sessions addressing the nuts and bolts of greenhouse gas emission inventories, climate action plans, transportation strategies and curriculum initiatives. A key outcome was the formation of the Southern California Climate Action Network, also known as SoCalCAN.

### Warren Wilson Campus Climate Summit – Warren Wilson College, Asheville, North Carolina

This Campus Ecology-organized summit in October 2008, addressed challenges and solutions for carbon reductions on campuses in the southeast region. Sixty representatives from more than 30 southeastern institutions gathered for a program that included presentations from IPCC



(Intergovernmental Panel on Climate Change) scientist Tom Peterson as well as representatives of ACUPCC (American College and University Presidents' Climate Commitment), Clean Air-Cool Planet, and Warren Wilson's Psychology Department. Julian Keniry delivered the keynote on the case for climate action in higher education.

### Texas Regional Alliance for Campus Sustainability (TRACS) - Texas

TRACS was formed at the Association for the Advancement of Sustainability in Higher Education (AASHE) conference in Raleigh, North Carolina in fall 2008 with the support of the Environmental Science Institute at the University of Texas at Austin and the Texas State Energy Conservation Office. TRACS held its first formal gathering on March 27, 2009 which brought together over 50 representatives from more than 20 campuses. TRACS is a network for students, faculty and administrators working on campus sustainability in Texas to share best practices and progress on sustainability initiatives in Texas. It complements the youth-focused ReEnergize Texas network.

### Recent climate action network success

- **A network forms.** In 2009, campus field coordinator Juliana Goodlaw-Morris coordinated a first summit meeting in Chicago with over 10 Chicagoland colleges and universities. To-date the group has met four times to share best practices, and discuss climate action planning success and challenges. Continued support from the City of Chicago, Department of the Environment and other local partners makes this network continue to grow with 4 new campus and community partners joining the network since its inception.
- **A network prospers.** Formed over two years ago, the Upper Midwest Association on Campus Sustainability (UMACS) is comprised of schools in Minnesota, Wisconsin and Iowa. UMACS has a website, steering committee, and has held 2 summits (with over 30 schools and over 400 participants (# is for both summits) and conducted four intense campus action planning day-long training

sessions in summer 2009. Campus Ecology was part of this founding network and continues to provide resources and support to strengthen the network.

## Membership

Through membership, Campus Ecology linked fellow campuses under a common goal – the 30% reduction – and maximized its ability to support members' sustainability efforts.

The Campus Ecology membership program offered two levels of membership – individual and campus teams – and a menu of benefits: educational resources, programs, incentives, recognition and awards and networking opportunities.

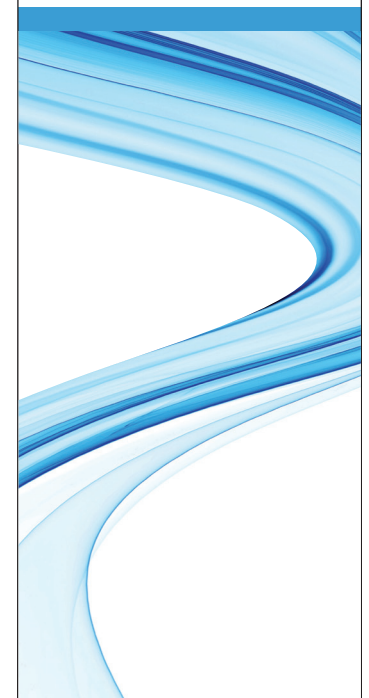
But its value went beyond a list of services. For one, campuses and individuals became part of a like-minded community – a community they could tap for ideas, collaborate with and learn from. In effect, Campus Ecology membership took individual, localized efforts and put the power of a national community behind them. Additionally, NWF and Campus Ecology are respected names in the conservation industry and association with them lent critical credibility to projects.

### Here's what's happened with membership since 2006:

- **Consistent growth.** Between 1997 and 2003 campus memberships hovered around 80. Between 2004 and 2006, it jumped to 220. From 2006 on, Campus Ecology supported more than 400 colleges and universities.
- **Online enrollment.** Campus Ecology made becoming a member even easier with a new online enrollment tool.
- **Outreach.** Campus Ecology took active steps to reach former members and develop new ones. Marketing efforts included a brochure, postcard mailings, email blasts and web ads.
- **Membership fee.** Campus Ecology transitioned to a free membership model for the 2009-2010 academic year to decrease any barriers for students, faculty, staff, and campus groups to join our network in the current economic environment.

**“Our membership in the Campus Ecology Program also helped solidify our status as a legitimate new initiative on campus and helped with our efforts to educate the entire campus community.”**

**—Merrimack College**



**News Briefs: March 17, 2009**

**Power Shift Connects 12,000 Students with Congress**



See what we were up to during Power Shift '09. Hint: It includes a new campaign against deforestation, a major presence on the Hill, and lots of students speaking up about what matters to them.

**Know Thy Building: A Must for Saving Energy**

Energy-saving strategies that work well in a private home or small building can actually consume more energy in a big, modern, institutional one. To compensate, each HVAC system must be considered individually, rather than as part of a blanket, campus-wide temperature policy.

**Upcoming Events**

**Apr 16 - 19: Gulf Coast Green Sustainable Communities Symposium**

**Bringing The University's Purchasing Word From Climate Counts**



Universities spend billions of dollars on procurement. How can better procurement companies working to reduce the environment?

Climate  
For  
Equity  
Thro

Schools  
like  
an  
ap  
to  
m  
future  
ecos  
alway

## REPORTS OF SUCCESS FROM MEMBER CAMPUSES...

- **Arizona State University designed an entire freshman dorm community under strict environmentally friendly guidelines.**
- **University of Oregon hosted a sustainability summit in October 2008 with all 7 public institutions in the Oregon university system attending.**
- **University of Tennessee, Knoxville participated in EPA's Green Power Partnership, implementing lighting and HVAC upgrades, and hosting a compact fluorescent light bulb (CFL) exchange.**
- **Mount Wachusett Community College in Massachusetts installed a wind turbine on campus and is testing a biomass CHP (combined heat and power) gasifier.**
- **Doane College in Nebraska conducted a greenhouse gas inventory and is considering the use of sub-metering in their dormitories in an effort to reduce electrical consumption. Doane also certified their campus habitat as a National Wildlife habitat.**

Membership successes also include the hard work of our Campus Ecology fellows and the regional work of our climate action networks.

## Best Practices: Tools and Resources

Providing timely, practical resources to members is a key part of the entire Campus Ecology program. Through its deep toolbox of research, education, networks and best practices, Campus Ecology helps its members achieve their emission reduction and sustainability goals. And by putting tools in its members' hands, Campus Ecology also achieves its mission. Resources like the **Sustainability Case Study Database** and the **Guide to Climate Action Planning** help campuses move from talk to action.

Additionally, campuses report that what makes these resources so valuable is their currency. Campus Ecology works with peer organizations to coordinate the production of resources to ensure the program continues to fill gaps in understanding and avoids duplication of existing resources.

The Campus Ecology team is continually revising and adding to its resource lineup to keep pace with science as well as campuses' changing needs. Scientific understanding isn't static. Campus Ecology can't be either.

### ClimateEdu

The new *ClimateEdu* news service, launched in August 2008, focuses on decreasing the campus carbon footprint and inspiring leadership by offering practical, optimistic coverage that recognizes the best work in the sustainability and climate fields. It is a complete re-imagining of the previous Campus Ecology e-newsletter that had been published since 1989.

**Content:** A digestible format with four to six articles. Headline articles feature new initiatives in climate action and sustainability, comparing and contrasting approaches among three or more campuses.

Each issue also includes a mix of announcements, resources and event listings with the occasional editorial or book review. Typical topics include renewable energy and energy efficiency strategies, new approaches to green building or information technology, transportation and dining solutions, recycling and waste management, campus farms and forests, habitats, purchasing, carbon offsets, and behavior change mechanisms (such as energy-saving competitions or going trayless in the cafeteria).

Articles that have to do with food (e.g., farm-to-college dining programs, trayless dining, student farms) and curriculum issues (green workforce training, sustainability courses) are consistently the most popular in their respective issues. Emerging technologies such as smart grids, bioengineering or hydrogen cars are a close second in popularity.

Approaches through which gains in carbon emissions reductions are most significant and measurable, such as building efficiency, renewable energy and transportation strategies, are a consistent thread running through all issues which seek to relay projects' relative contributions to the reduction in the campus carbon footprint and, thus, help inform how campus leaders prioritize and phase their projects.



### ClimateEdu's Five Most Popular Articles To Date

[Students Have Their Hands Full Saving Food, Energy and Water](#)

Ryan Newhouse  
10/14/08

Over 30 colleges and universities have offered trayless dining halls on a permanent or trial basis in the last year. The hope is that this movement will prevent students from being able to fill their trays with food that would end up uneaten and thrown in the garbage. Ideally, trayless dining will reduce wasted food, cut water usage, slash energy bills and lower GHG emissions.

[Is There Room for Sustainability in Every Classroom?](#)

Elisabeth Bailey  
1/27/09

Faculty are finding new ways to incorporate issues of ecology, natural resources, social justice and human behavior into their classes, even those not in the environmental sciences.

[Eating Lower on the Food Chain](#)

Maryruth Belsey Priebe  
6/16/09

As campuses make the connection between greenhouse gases and the food they serve, more are offering vegetarian options.

[Clean Energy From Humans? No Sweat](#)

Kate McNeil  
3/31/09

A light switch can be powered by sun, wind or water, but what about the sweat of one's brow? Oregon State University is one of the first universities to harness kinetic energy from students' workouts.

[Hydrogen: Just a Lot of Hot Gas?](#)

Paul Tolme  
1/13/09

Humboldt State's new hydrogen-powered car and fueling station are part of a university-led effort to wean America off gasoline. But is hydrogen the fuel of tomorrow or yesterday's hype? *ClimateEdu* goes for a ride to find out.

	Campus E-News Jun '08	ClimateEdu Dec '09
<b>Total Recipients</b>	<b>13,679</b>	<b>27,022</b>

Current readership and audience: Campus Ecology launched [ClimateEdu](#) with a list of about 14,000 in August 2008. But in February 2009, that list received a huge bump due to additions from the Power Vote and Power Shift campaigns. **ClimateEdu now reaches 27,000 readers** and has significantly increased the number of subscribers who are opening and reading the e-news over the earlier Campus Ecology Connection newsletters.

These emails gleaned from National Teach-In and Power Shift (Campus Ecology's partner status allows their use) are almost entirely students. Thus far, *ClimateEdu* has directed its articles to Campus Ecology's long-term membership base (faculty, staff and graduates). But this shift to young, transient campus members may mean a re-imagining of some of the e-newsletter's content in the coming months.

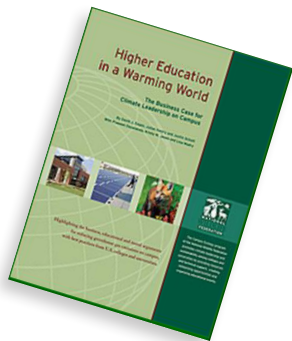


**“Campus Environment 2008 has helped create a watershed in understanding about the vital role of sustainability education.**

– Debra Rowe, national higher education sustainability leader



**Campus Environment 2008 Report Card**



**Higher Education in a Warming World**

**“The NWF Report Card is the Gold Standard for charting the sustainability movement in higher education.”**

– David W. Orr, author and environmental studies professor

**Website**

Campus Ecology launched a new website in September 2007 and refreshed the look and feel in January 2010. New features include:

- **Home page tools.** Blog and blog widget; two to three news/program highlights to encourage click-throughs; and navigations for subscribing to ClimateEdu, becoming a member and learning more about upcoming events and new resources.
- **Online enrollment form.** Individuals and campuses can join Campus Ecology easily online.
- **Search engine.** The search engine browses all resources including the sustainability case study database, *ClimateEdu* news articles and webinar archives.
- **Resources page.** A new resource page includes a “featured resource” section that allows flexibility and a “most popular resources” section that highlights three of Campus Ecology’s key resources: *ClimateEdu*, webinar series and case study database.

Additional features under construction include interactive tools such as online polls, interactive maps and spaces to share stories and photos.

**National Report Card on Sustainability in Higher Education**

Campus Ecology released the second edition of its popular national report card on sustainability in August 2008. And since its release, the **report card has been downloaded almost 1,500 times.**

*Campus Environment 2008 – A National Report Card on Sustainability in Higher Education* is a comprehensive study by NWF and Princeton Survey Research Associates International reviewing trends and new developments in environmental performance and sustainability on the nation’s college and university campuses. **It is the only national trends study on campus sustainability practices.**

The first edition of the report card, published in 2001, surveyed 891 schools. For 2008, almost 1,100 schools participated – **that’s 27 percent of all U.S. colleges and universities.** Of those schools, 334 were recognized as

having exemplary programs or a strong commitment to do more to be sustainable. But overall, trends in campus sustainability practices are mixed. For example, the report found that a rising percentage of campuses are setting goals to reduce their greenhouse gas emissions. At the same time, however, teaching and learning about sustainability is on the decline.

Speaking to its visibility, *Campus Environment* has caught the attention of the media, with press hits in magazines such as *The Chronicle of Higher Education*, *Time*, *The Wall Street Journal*, *GreenBiz.com* and *Inside Higher Ed*.

**Sustainability Case Study Database**

Each year for 20 years Campus Ecology program has published case studies contributed by its members and partners detailing a wide array of campus sustainability activities and global warming solutions from the school year. Between its printed Yearbooks and online case studies, the program has published approximately 2,500 campus case studies since its inception. And the program has proven to be a widely popular resource. **In the past year alone, the database has had 11,523 page views.**

The online documents are conveniently searchable by year, topic, school and state. The database serves a two-fold purpose: 1) it’s a primary outlet for Campus Ecology members and partners to document their accomplishments and gain national recognition; and 2) it’s a key resource for hundreds of students, faculty and staff who report they access it for inspiration and ideas they can apply to conservation and sustainability on their own campuses.

After taking the 2006-07 school year to review and update the program, Campus Ecology began collecting case studies again in 2008. In 2008, Campus Ecology collected 38 case studies from 28 schools. And in 2009, that number nearly tripled with 57 school contributing **103 cases studies.**

**Higher Education in a Warming World**

Published in January 2008, *Higher Education in a Warming World: The Business Case for Climate Leadership on Campus* highlights the business, educational and moral arguments for reducing greenhouse gas emissions on campus with best practices from 105 schools

**“Generation E shows that American students care deeply about environmental, economic and social sustainability. The demand for action is there – our higher education leaders need to step up and meet it.”**

– Kevin Coyle, NWF’s Vice President of Education and Training



in 32 states. The first in the Campus Ecology climate and sustainability series, this illustrated online guide features a “Top 5 for a Fast Start” list of proven strategies to shrink a campus’s carbon footprint. It also showcases campus examples of climate solutions such as energy efficiency, green building, habitat, purchasing, and transportation, and goes into detail on the opportunities to finance climate action – performance contracts, government incentives, student fees, and more. **Since its publication, the report has been downloaded 1,898 times.**

### Guide to Climate Action Planning

In August 2008, Campus Ecology released the *Guide to Climate Action Planning: Pathways to a Low-Carbon Future* – the second publication in Campus Ecology’s climate and sustainability series. This comprehensive guide introduces campuses to the strategies, steps and best practices for cutting global warming emissions with detailed accounts from seven leading schools. The **guide has been downloaded 1,110 times** from Campus Ecology’s website and has been listed as a key resource on the following websites: Association for the Advancement of Sustainability in Higher Education, National Clearinghouse for Educational Facilities, National Teach-in and the American College and University Presidents’ Climate Commitment.

### Generation E: Students Leading for a Sustainable, Clean Energy Future

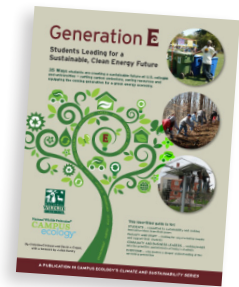
Published in November 2009, *Generation E: Students Leading for a Sustainable, Clean Energy Future* highlights 35 ways students are creating a sustainable future at U.S. colleges and universities – cutting carbon emissions, saving resources and equipping the coming generation for a green energy economy. The 70-page, example-rich guide is a timely, best practices report on exemplary student-led sustainability activities and programs at schools around the U.S. It features dozens of examples from post-secondary institutions of all types. More than 160 campuses from 46 states, plus the District of Columbia are included along with photos, graphics, links to related resources and an extensive endnotes section so readers can learn more about specific campus projects. As an illustrated “idea book,” it shows students, faculty and staff a wide range of project possibilities, encouraging them to

engage with their campus and community in ways that make real reductions in their school’s carbon footprint and also foster the technical and intellectual skills needed in the future green economy.

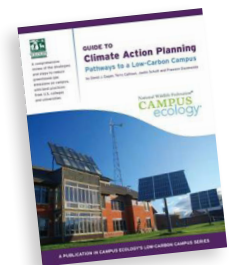
Since its release in November, *Generation E*, has been downloaded 670 times and has generated multiple press hits, including an article and video clip on *Voice of America*, a posting on *New York Times Dot Earth Blog*, an article in the *Pittsburgh Post Gazette* and dozens of mentions on public radio.

**“As educators we would be failing future generations if we did not prepare them to meet the challenge of reducing carbon emissions to protect the health of our world. This report will provide a foundation for meeting that challenge.”**

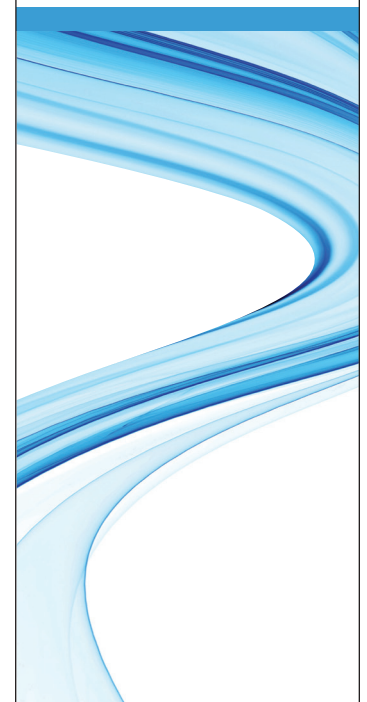
– Eban Goodstein,  
Founding Director of National Teach-In and Director for  
Bard Center for Environmental Policy

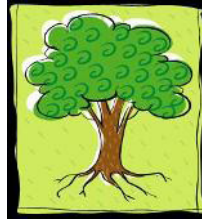


Generation E



Climate Action Planning





### **Greener Campus Webinar Series**

Campus Ecology's Greener Campus Webinar Series brings leading experts on conservation

and sustainability right to members via webinar. Launched in 2006, Campus Ecology has hosted 16 webinars on topics such as climate action plans, habitat restoration, student engagement, education, climate policy and green jobs training. From 2006 to 2009, the Greener Campus webinar series has been attended by 853 participants representing 347 schools.

Each conference features three to four speakers and a question and answer session. Here are some of the key improvements and highlights:

- **Online engagement.** Launched in fall 2007, participants now have the option of engaging online in real time (audio-only is still available).
- **Online archive.** All webinar materials are archived on the *Campus Ecology* website, which includes the PowerPoint presentation and an audio file and poD. Cast download.
- **Program growth.** The 2008-2009 academic year was highly successful with 327 participants from 192 schools and 61 speakers many of which came from member schools. The most popular webinar for 2008-2009 was on green jobs training and funding with 113 participants from 89 schools. In Fall 2009, Campus Ecology hosted four new webinars – Forest Justice on Campus, Climate and Clean Energy Policy in America, Students in Action, and Preparing for a Green Workforce – drawing more than 350 participants for these four alone.



## GOAL THREE: POSITIONING COMMUNITY COLLEGES AS PLATFORMS FOR GREEN JOB CREATION AND TRAINING

**NWF and key partner organizations will play a lead role in helping America's community colleges realize their potential as the nation's most dependable hubs for green collar job training, unemployed workers, employee re-training and green workforce development. Community colleges are well-suited for reaching and educating diverse populations and providing them with opportunities to participate in the emerging green economy with well-paying jobs.**

Campus Ecology is still in the beginning stages of cultivating community colleges and implementing its green workforce-focused programming. The team has formed a key partnership with Jobs for the Future, mapped out an achievable action plan and started engaging community college leaders. On the national policy level, however, Campus Ecology and the larger NWF organization have already had dramatic victories, transforming their advocacy efforts for green jobs creation and training into actual federally funded programs.

### National Policy Efforts

NWF's top goal is to pass strong climate and energy legislation that will **put a cap on global warming pollution and thereby generate investment in clean energy and create green jobs.**

The clean energy economy will transform every profession and sector of the workforce ranging

from energy efficient building design to new solar panels and wind turbines to assessing how climate change will impact everything from flood insurance to food production. And to be successful in this clean energy economy, the education and training infrastructure at America's institutions of higher education must keep pace.

Along with its campus-level sustainability efforts, Campus Ecology and the larger NWF organization are working to bring climate action into the national dialogue with an emphasis on securing federal funding for campus sustainability leadership and green jobs education and training. Additionally, Campus Ecology is partnering with the American Association of Community Colleges, the National Education Association, the Campaign for Environmental Literacy, the American College and University Presidents' Climate Commitment, Earth Day Network, the Association for Career and Technical Education, Jobs for the Future, and numerous conservation and youth organizations,



Copyright: NWF  
**NWF D.C staff and interns participate in a clean energy rally to support the passage of the House Climate Bill.**

to advance policies in Washington, D.C. that will prepare all Americans for clean energy economy opportunities. Three major ways we work on policy issues are through coordinating testimonies before Congress, fly-ins and congressional hearings.

As the nation moves towards capping global warming pollution and investing in clean energy technology, we must ensure our education infrastructure keeps pace to prepare the leaders of today and tomorrow – and to ensure our nation’s workforce remains competitive in the global economy.

### **National policy victories**

NWF has invested significant resources in advocacy to pass strong climate legislation in Congress. In 2009, NWF President and CEO Larry Schweiger chaired the Green Group – representing all major conservation and environmental organizations. Through the collaborative efforts of the Green Group and many other partner organizations, the U.S. House of Representatives passed the American Clean Energy and Security Act (ACES) in June 2009 – the first ever “cap and trade” bill to pass in the House.

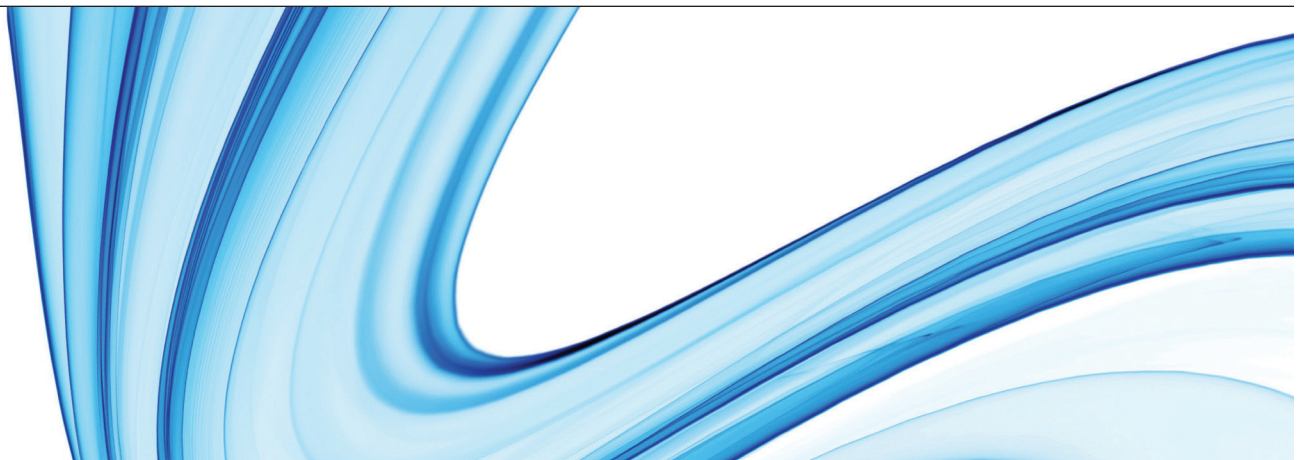
NWF also played a leadership role in the founding of the Clean Energy Works campaign to further collaborate with major organizations and constituencies to keep the legislation moving in the Senate. In the fall of 2009, the Senate Environment and Public Works Committee reported a Senate version of a “cap and trade” bill and momentum continues to build for action by the full Senate in 2010. The Campus Ecology team plays a major role in advancing strong climate legislation through its work with the Energy Action Coalition, Forest

Justice and other key organizations.

In 2008, NWF had a significant victory with the passage of the University Sustainability Program (USP) – a new program authorized as part of the Higher Education Opportunity Act of 2008. USP authorizes funding for colleges and universities to develop, implement and evaluate sustainability education programs and practices. The program’s goals are to help produce three million “sustainability-literate” college graduates each year, educating the next generation of scientists, engineers, planners and business leaders for careers in the emerging green economy.

In 2009 Congress funded USP for the first time, providing \$29M for USP and five other priorities for higher education at the U.S. Department of Education. We expect at least \$6M to be allocated to USP with grants beginning in 2010. Additionally, the bill requires the U.S. Department of Education to host a summit on sustainability in 2010 bringing together leaders in the field. The USP will help equip the coming generation with knowledge vital to meeting the mounting global challenges we face as a nation.

Another significant victory came in early 2009 with the economic recovery bill signed by President Obama. The bill included \$500M for the Energy Efficiency and Renewable Energy Worker Training Program at the Department of Labor. This first-ever funding for green jobs workforce training was four times the authorized amount and the Department of Labor has been getting this funding out the door throughout 2009, stimulating green jobs training nationwide. The DOL received an additional \$50M





in 2009 through the appropriations process to be spent in 2010.

**NWF is also making progress advancing new policies around the important role community colleges play in green jobs education and training.**

In March 2009 the Senate Energy and Natural Resources Committee voted to include an important community college education and training provision as part of the Senate energy bill, authorizing \$500M over five years for job training and education programs at community colleges for sustainable and alternative energy technologies. The House of Representatives has also introduced this language as the Community College Energy Training Act of 2009 and it currently has more than 65 co-sponsors.

In 2009 the Campus Ecology team also helped lead the charge to ensure funding for education and training for the clean energy economy is included in the final comprehensive climate bill enacted by Congress. In September we hosted a fly-in to Washington, D.C., focusing on the need to pass comprehensive climate change legislation that includes funding for education and training by allocating one percent of allowance revenues (about \$1B/year) for an “Education for a Green Economy Fund.”

The attendees were primarily community college presidents and other education leaders coming from Oregon, Maine, New Mexico, Michigan, Arizona, North Carolina, Ohio and Massachusetts. They met with their senators and representatives to share personal stories about clean energy and sustainability education and training programs at their schools, as well as the importance of funding education to support a new clean energy economy. In total, they held nearly 30 meetings with members and staff. The proposed Education for a Green Economy Fund would support not only higher education programs, but also K-12, career and technical education, and broad consumer education. These visits to D.C. were complimented by the publication of an organizational sign-on letter in *Politico*. The letter (<http://online.nwf.org/education-signon>) features more than 130 organizations supporting the passage of a climate bill that includes funding for comprehensive education and training. The organizations are diverse and vary from colleges, to student groups, to educational organiza-

tions and environmental groups. While this letter was delivered to Congress on Sept. 16, it remains open for signatures and will be re-sent to Congress as the climate debate heats up.

## Green Workforce Training

Reducing the nation’s carbon footprint by 80 to 90 percent in the next 40 years will require new energy technology, distribution systems, business models, low carbon energy sources, a new attitude and – importantly – an educated workforce. Educating 50 percent of the student population, America’s 1,200 community college systems are, by far, the largest job training, certification and preparation platform in the U.S. – and they will be central to training the American workforce in preparation for this “new energy economy.”

While America’s community colleges are the largest training ground for technical and semi-professional job development in the U.S., only a small number to date have created green employment pathway programs. Fewer still have created the employer and community partnerships that provide pathways into green employment that meet emerging workforce needs and promote a diverse green workforce that engages lower-skilled adults.

With this coming green jobs revolution, NWF and Jobs for the Future (JFF) are joining forces to spur positive innovation in U.S. community colleges. Over the next two years, through the Greenforce Initiative, NWF and JFF will be working on the following:

- **Create five regional “Learning and Action Networks” with multiple community colleges in each.** These Learning and Action Networks will connect community colleges with the green sector employers in their regions. These networks will be formed through regional summits, workshops, webinars and conference calls, information sharing networks, and on-the-ground organizing.
- **Provide 30-40 community colleges with the capacity building and technical assistance they need to move into the green workforce development space.** This effort will be tailored to meet the needs of spe-

### Campus Team Hosts Green Jobs Webinar with its partner, Jobs for the Future

**WASHINGTON** – A Campus Ecology webinar on green jobs training and funding last spring drew 113 attendees from 89 schools and organizations – a majority of which were community colleges and technical schools.

The webinar highlighted innovative models for summer youth workforce programs, the unique role of community colleges as summer youth employment partners, and funding opportunities for green workforce programs. Speakers included Jen Worth, Program Manager for the Center for Workforce and Economic Development at AACC, Greg Newhouse, the Center Director for San Diego Community College’s Advanced Transpiration Technology and Energy Program, Everett Feight, Dean of Industrial Technologies at Technical College of the Low Country in South Carolina, Heather White, NWF’s director of Education Advocacy, Gloria Mwase, JFF’s Senior Project Manager, and Kirk Laflin, PETE’s Executive Director.

A PowerPoint presentation, audio file and poD.Cast download of the green jobs webinar are available on the Campus Ecology website at: [www.CampusEcology.org](http://www.CampusEcology.org), under Resources, Web conferences.



Copyright: NWF  
 Students at the 2009 regional Florida Power Shift events.



Copyright: Xarissa Holdaway  
 Students at 2009 Powershift rally.

cific community colleges and green sector employers as they resolve to adjust their programs to support the green jobs revolution. This will be achieved through on-call coaches, field coordinators, a website with interactive features for both regional and national questions and answers, an employment “pipeline” approach to build strong partnerships between community colleges and regional green sector employers, and an innovation fund to provide mini-grants for a number of capacity or technical needs.

- Increase nationwide recognition of the role U.S. community colleges play in green workforce development.** Through a series of presentations at high-profile conferences, NWF and JFF will highlight the successes and lessons learned from the Learning and Action Networks, as well as promote the importance of investing in community colleges as the key to the future green workforce, including the role they can play in ensuring access to green careers for historically underrepresented populations. In addition, the partnership will publish and disseminate four to five best practices briefs designed to elevate the place of community colleges in the debate.

## CAMPUS ECOLOGY IN THE PUBLIC EYE

### Press Coverage

Campus Ecology continues to generate media interest in outlets ranging from campus websites to network television news. In fact, the amount of press coverage for 2007–2009 increased dramatically over the last three-year review period. Between 2004 and 2006, Campus Ecology had just over 100 press hits online and in print. Between 2007 and January 2010, **Campus Ecology or its programs appeared in media outlets over 550 times.**

Two events in 2008 – the release of Campus Ecology’s *Campus Environment 2008: A National Report Card on Sustainability in Higher Education* and Chill Out’s partnership with GoGreenTube – turned the year into a banner one for press coverage. The national report card generated almost 100 unique press hits in national outlets including *CNN*, *U.S. News & World Report*, the *LA Times* and dozens of city newspapers, trade publications and websites.

And Chill Out’s switch from YouTube to GoGreenTube as the competition’s video host generated over 40 stories in print, radio, online and television. (In 2009, Chill Out generated over 85 press hits.)

Other Campus Ecology programs that generated multiple press hits include *Higher Education in a Warming World*, Campus Ecology Fellows, and partner efforts such as ReEnergize Texas and RecycleMania.

### Other Educational Events of Note

Event participation is like Campus Ecology’s frontlines. Through attending and hosting events, the team engages hundreds of campuses and related organizations and thousands of students, faculty and staff face-to-face each year. Team members represent Campus Ecology at approximately 20 events annually. And those events can be large, national-level events drawing thousands of participants such as Power Shift ’07 and Power Shift ’09 or small gatherings of only 15 like the 2007 Texas Youth Climate Summit.

But regardless of size, event participation is a major conduit for fostering partnerships, collaborating, and promoting Campus Ecology’s mission and program. And as often as team members attend events as participants, they’re invited as speakers and workshop leaders even more. Here is just a sampling of the kinds of events Campus Ecology participates in, in addition to those already mentioned in previous sections of the report (for a complete, annotated list of events, please see Appendix D):



**September 6–8, 2007: GREENING THE CAMPUS CONFERENCE VII – Ball State University, Indiana**

Lisa Madry, Praween Dayananda and Justin Schott co-led two workshops at this multi-campus conference of 150 participants.

*Campus Solutions to Global Warming* outlined the steps for reducing emissions, including institutional commitments, greenhouse gas inventories and climate action plans. *State and Federal Policy Solutions to Global Warming* provided an overview of incentives and supportive energy policies for which campuses could advocate. Each session was attended by more than 70 participants and received very positive feedback for providing concrete strategies. The conference also gave staff the opportunity to strengthen relationships with Campus Ecology members, including the University of Florida, Case Western Reserve University, Grinnell College (which later hosted an NWF gathering in October), and Ball State University (which hosted a summit for Indiana colleges in February, 2008).

**October 23–24, 2008: COLLEGIATE ENVIRONMENTAL SUSTAINABILITY, Atlanta, Georgia**

One hundred fifty participants from southeastern campuses gathered at Spelman College to learn about successful campus sustainability projects and strategies. Campus Ecology helped sponsor the event. Jolea Bryant, former campus ecology field coordinator, exhibited and spoke on climate action planning and NWF's Kevin Coyle, VP for Education and Training, delivered a keynote on the relevance of campus climate leadership.

**November 9, 2008: AASHE 2008 Conference: Working Together for Sustainability on Campus and Beyond – Raleigh, North Carolina**

The Campus Ecology team led several workshops and presentations at the Association for the Advancement of Sustainability in Higher Education biennial conference. Praween Dayananda, campus field coordinator, gave a presentation on developing and implementing climate action plans on campus; Jolea Bryant led a session where participants discussed strategies for empowering students to create a sustainable future; Kristy Jones conducted a workshop on the benefits of

the different kinds of habitats found on college and university campuses; and Julian Keniry and Campus Ecology writer David Eagan guided participants through the findings and implications for best practices of the NWF's Campus Environment 2008 National Survey. The AASHE conference drew more than 1,800 participants, 400 presenters and 130 exhibitors.

**June 2-3, 2009: BREAKING THROUGH PEER-LEARNING – CREATING GREEN PATHWAYS: ADVANCING LOWER-SKILLED ADULTS INTO GREEN JOBS AND CAREERS, Flint, Michigan**

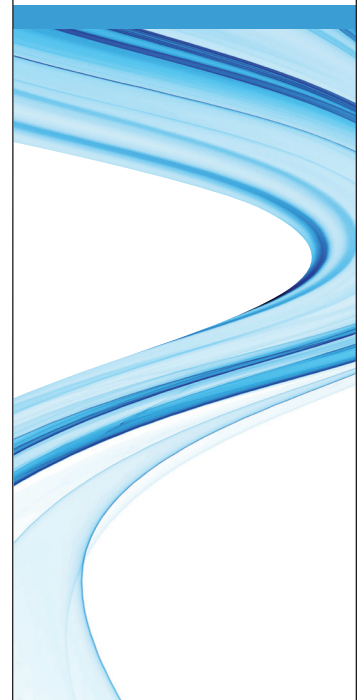
Approximately 150 faculty and staff from community colleges around the U.S. convened to discuss training adults in green jobs. Patrick Fitzgerald, NWF director of education advocacy, and Juli Goodlaw-Morris gave a seminar titled "Linking Sustainability and Workforce Development" to a group of 15. The event gave NWF reps a better grasp on workforce development and the greening of many community college curriculums.

**THE CAMPUS ECOLOGY TEAM**

As Campus Ecology's scope has grown, so has the team. Since 2006, three fulltime field coordinators, an e-news coordinator and program assistant have joined the program, bringing the team to a total of nine. While Campus Ecology has made significant inroads with colleges and universities regardless of staff numbers, the additional support has strengthened the team's ability to communicate its sustainability message and offer meaningful support to colleges and universities.

Currently, five of Campus Ecology's 9 staff members are based at National Wildlife Federation's headquarters in Reston, Virginia and four represent Campus Ecology in the field from NWF's South Central, Great Lakes and Southeast regional centers.

At NWF headquarters, Senior Director **Julian Keniry** leads the program and works with campuses on developing green jobs training programs. She is joined in Reston on Campus Ecology's national campus campaign and resource program by **Kristy Jones**, Senior Manager of Campus Climate Education and action, **Jen Fournelle**, Campus Ecology Coordinator and **Courtney Cochran**, Program



Assistant and the E-News Coordinator (position to be filled).

In the field, Campus Field Director **Lisa Madry** leads Campus Ecology's regional efforts from the South Central Regional Center in Austin. She also supports Campus Ecology's Field Coordinators – **Praween Dayananda** in Austin, **Juliana Goodlaw-Morris** at the Great Lakes Regional Center in Ann Arbor, Michigan and **Carly Queen** at the Southeast Regional Center in Atlanta.

Additionally, **David Eagan**, Outreach Specialist with the Nelson Institute for Environmental Studies at the University of Wisconsin, has served as Campus Ecology's full-time consultant for the past three years. He provided invaluable support on *Campus Environment 2008* as well as co-authored *Higher Education in a Warming World*, *Guide to Climate Action Planning*, and *Generation E*.

The Campus Ecology team also works closely with **Patrick Fitzgerald**, Director of Education Advocacy at NWF. Patrick, with support from **Sara Harris**, Education Advocacy Intern, works to advance federal and state policies that provide funding and other support to campus leaders in their sustainability efforts.

Finally, as part of NWF's range of national education programs Campus Ecology owes much to the work of NWF's Vice President of Education and Training **Kevin Coyle**. Kevin leads NWF's Be Out There campaign that encourages children to connect with nature, our Eco-Schools program that works with K-12 schools to green their operations, and provides much valued guidance and support to the Campus Ecology program.

### Meet the Team

Campus Ecology's team members have studied anthropology to economics; they've managed research centers to grassroots community programs. They each bring a unique perspective to their work. But they also share a commonality where it counts. Whether it was working in the Peace Corps or editing an architecture magazine, each member has exhibited an overarching passion for sustainability and community building. And Campus Ecology is stronger for it.

### Courtney Cochran Campus Ecology Program Assistant

*Supports the Campus Ecology Fellowship program, coordinates the internship program, assists with special media projects and engages NWF young professionals and alumni.*

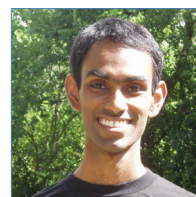


When Courtney graduated from Warren Wilson College in 2008, she took away more than a degree in political science. She left with a deep appreciation for the beautiful Swannanoa

Valley of North Carolina and the power of community. While at Warren Wilson, Courtney served for four years as the publications assistant for the Environmental Leadership Center (ELC) work crew. Based largely on her ELC work, Courtney won the Upper French Broad River Defense Association Outstanding Achievement Award as well as the Roosevelt-Ashe Society Award for Outstanding Youth in Conservation.

### Praween Dayananda Campus Field Coordinator – South Central Regional Center

*Educates campus communities on the need and benefits of reducing their carbon footprint and helps colleges and universities develop plans to reduce carbon emissions on campus and position graduates for green jobs.*



Praween comes to Campus Ecology with a lot of firsthand campus experience. While at California's Pomona College, he co-coordinated the

Pomona Campus Climate Challenge group, served as a student representative on the President's Advisory Committee on Sustainability, and directed Pomona's first comprehensive Dorm Energy Conservation Challenge. This latter led to Pomona purchasing its first renewable energy. Praween graduated in 2007 with a B.A. in economics.



**Jen Fournelle**  
**Campus Ecology Program Coordinator**

*Organizes and engages members in **Chill Out: Campus Solutions to Global Warming** – Campus Ecology’s nationwide competition and awards program for global warming solutions – and works with Campus Fellows and interns.*



Before joining Campus Ecology, Jen worked for Wildlife Encounters in New Hampshire and Leesburg Animal Park in Virginia, educating children, parents and teachers about

wildlife and the environment in a hands-on setting. During college, Jen studied abroad in the Andes Mountains of Ecuador for a semester. The students lived in grass huts and did research on frogs and spectacled bears. Jen was lucky enough to be present at the release of a spectacled bear into the wild. Jen graduated in 2005 with a B.S. in wildlife management from the University of New Hampshire.

**Juliana Goodlaw-Morris**  
**Campus Field Coordinator – Great Lakes Regional Center**

*Assists college and universities with sustainability and green jobs initiatives and education and coordinates regional sustainability networks.*



Juli brings extensive experience in sustainability to her work with Campus Ecology. She holds an M.A. in sustainable development from the School of International Training Graduate Institute,

a B.A. in environmental studies from University of California, Santa Cruz and spent many years with the U.S. Peace Corps in Jamaica where she worked in the sustainable farming/agriculture sector. When Juli isn’t working on sustainability issues, she enjoys new adventures, international travel, reading, listening to music and knitting.

**Xarissa Holdaway**  
**Campus Ecology E-news Coordinator**

*Spent two and a half years creating and managing the successful new **ClimateEdu: News for the Green Campus** news for Campus Ecology. Xarissa has recently moved on to work for the **Chronicle of Higher Education**.*



Before coming to NWF, Xarissa was doing editorial work at an architecture magazine where she spent her time filling the pages with as many reclaimed, recycled and sustainable

items as her publisher would allow. She holds an English degree from Brigham Young University where she also worked as a peer mentor and assisted the study abroad office. At last count, Xarissa has lived in eight states and four countries and comes by her interest in sustainability issues by way of the inimitable French pastry.

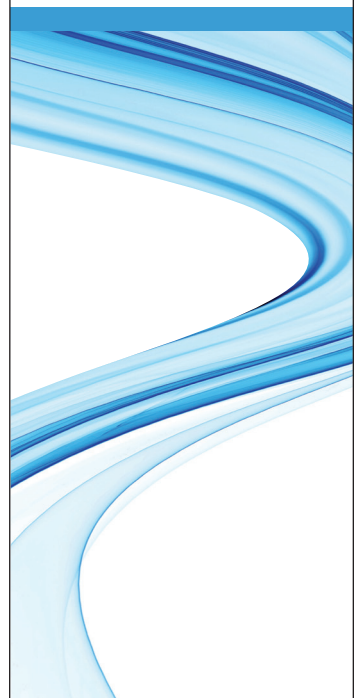
**Kristy Jones**  
**Senior Manager, Campus Climate Education and Action**

*Manages national program operations, including membership, webinars, climate solutions fellowships and green jobs training initiatives.*



Prior to joining Campus Ecology, Kristy worked at the Foundation for Environmental Security and Sustainability and also spent six years with the Center for Field Studies at

George Mason University (GMU). One of her largest projects at GMU was managing The Bahamas Environmental Research Center on Andros Island. Kristy has led several field studies to The Bahamas and Costa Rica. She regularly serves as a program resource and co-authored *Higher Education in a Warming World – The Business Case for Climate Leadership on Campus*. She holds a B.A. in anthropology and an M.A. in environmental studies.



**Julian Keniry**  
**Senior Director, Campus and Community Leadership**

*Supports the Campus Ecology team in providing resources and incentives to assist campus leaders in achieving sustainably designed campuses and communities.*

Working to grow the movement for sustainability in higher education for more than twenty years, Julian co-founded NWF's Campus Ecology Program and the Energy Action Coalition (comprised of more than 30 youth organizations confronting global warming). She also organized meetings that led to the formation of the Higher Education Associations' Sustainability Consortium, spearheaded the national Chill Out competition and launched the nation's only national trends studies on campus sustainability efforts. Her writing credits include *Ecodemia: Campus Environmental Stewardship at the Turn of the 21<sup>st</sup> Century (1995)*, one of the first books on campus leadership for sustainability in the U.S. and numerous other publications. Julian holds degrees in international relations and German from Agnes Scott College and an M.A. in environmental science and policy from Johns Hopkins University.



**Lisa Madry**  
**Campus Field Director – South Central Regional Center**

*Leads Campus Ecology's regional efforts, supports campus field coordinators, mobilizes support for federal climate action and works with campuses to reduce greenhouse gas emissions.*

Lisa has been with NWF for more than six years, transitioning to Campus Ecology from a regional representative role working with NWF's state affiliate organizations in the Lower Mississippi area. But Lisa has worked in the public service arena for much longer – almost 20 years. She co-founded and directed SCALE (Student Coalition for Action in Literacy Education affiliates), a national organization mobilizing student involvement in literacy efforts for which she won



President Bush's Point of Light Award in 1990. She also served as a **community organizer** with the **Industrial Areas Foundation network** in **San Antonio** and Houston. Lisa holds a degree in public policy from the **University of North Carolina at Chapel Hill**.

**Carly Queen**  
**Campus Field Coordinator – Southeast Regional Center**

*Works to promote sustainability in higher education and grow regional campus networks by providing campuses with resources and technical support and organizing supports.*

Before joining Campus Ecology, Carly served as the president of Students Organizing for Sustainability (SOS), an organization that she founded at Georgia Institute of Technology in fall 2007. While earning her undergraduate degree in mechanical engineering, Carly led several environmental initiatives on Georgia Tech's campus and beyond, including river and neighborhood cleanups, educational lectures, documentary screenings, a campus bike rental program and a campaign for sustainable dining practices.



## ASSESSMENT

Within Campus Ecology, we place a high value on conducting and learning from various types of assessments at numerous points in programmatic design and implementation throughout the year. In the past three years, we have conducted at least eight assessments of various types aimed at components of the program, the program overall or the wider campus sustainability movement (not counting the multiple assessment conducted for a particular category of work such as webinars). Leading into 2007-2009, we spent about three months with a panel of diverse stakeholders and Advisors evaluating the strengths, weaknesses, opportunities and threats on several levels: global, national, organizational, programmatic, campus. These sessions helped us formulate a strategic plan in 2006 that shaped our priorities for fundraising and many of the outputs and outcomes described in this report.

Most of our subsequent assessments included a



mix of formats ranging from needs, process and trends related questions, to formative (comparing designs with intended outcomes) and summative questions (assessing impacts, outcomes or benefits). These include:

- **Summer 2007:** Website opinion survey used to evaluate existing web format, language, navigability to inform the 2007 web overhaul.
- **August 2008:** National trends survey on campus sustainability practices and plans conducted with Princeton Survey Research Associates International covering more than 1,000 two and four-year colleges and universities has helped inform program planning and priorities at NWF, partner organizations and campuses.
- **Summer 2008:** ClimateEdu formative assessment to help shape content, title, etc.
- **Spring 2008, Fall 2009:** Beta and pilot tests of the on-line climate certification course.
- **May 2009:** An on-line Campus Ecology survey distributed to 15,000 members and other stakeholders assessing programmatic strengths, weaknesses, opportunities, threats, and respondent needs and interests.
- **Spring 2009:** Series of phone consultations with program Advisors, seeking their guidance and input on current and new program directions.
- **June 2009:** Phone interviews with staff and advisors conducted by strategic planning consultant.
- **Ongoing:** webinar and event participant surveys; ClimateEdu open, click-through and forward rates compared by article and month.

Through these processes, we have learned many things, including the following:

- **Curriculum continues to lag behind the greening of operations and management systems and this need is something we need to address together with partners and stakeholders.**
- **Our role in “instilling confidence in young people that they can be a catalyst for positive change” is valued.**
- **We have a “strong reputation and history” among most and are considered to be “innovative, ambitious and energetic.”**
- **There is some desire that we internationalize our work, reaching students in other parts of the world and better reflecting cultural diversity.**
- **Our programming needs to broaden its reach to include more people and to be better advertised.**
- **Global warming is already upon us and we may need to focus on both mitigation and adaptation.**

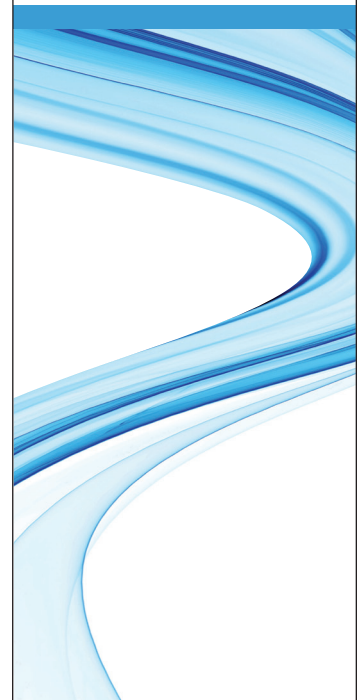
## Looking Forward

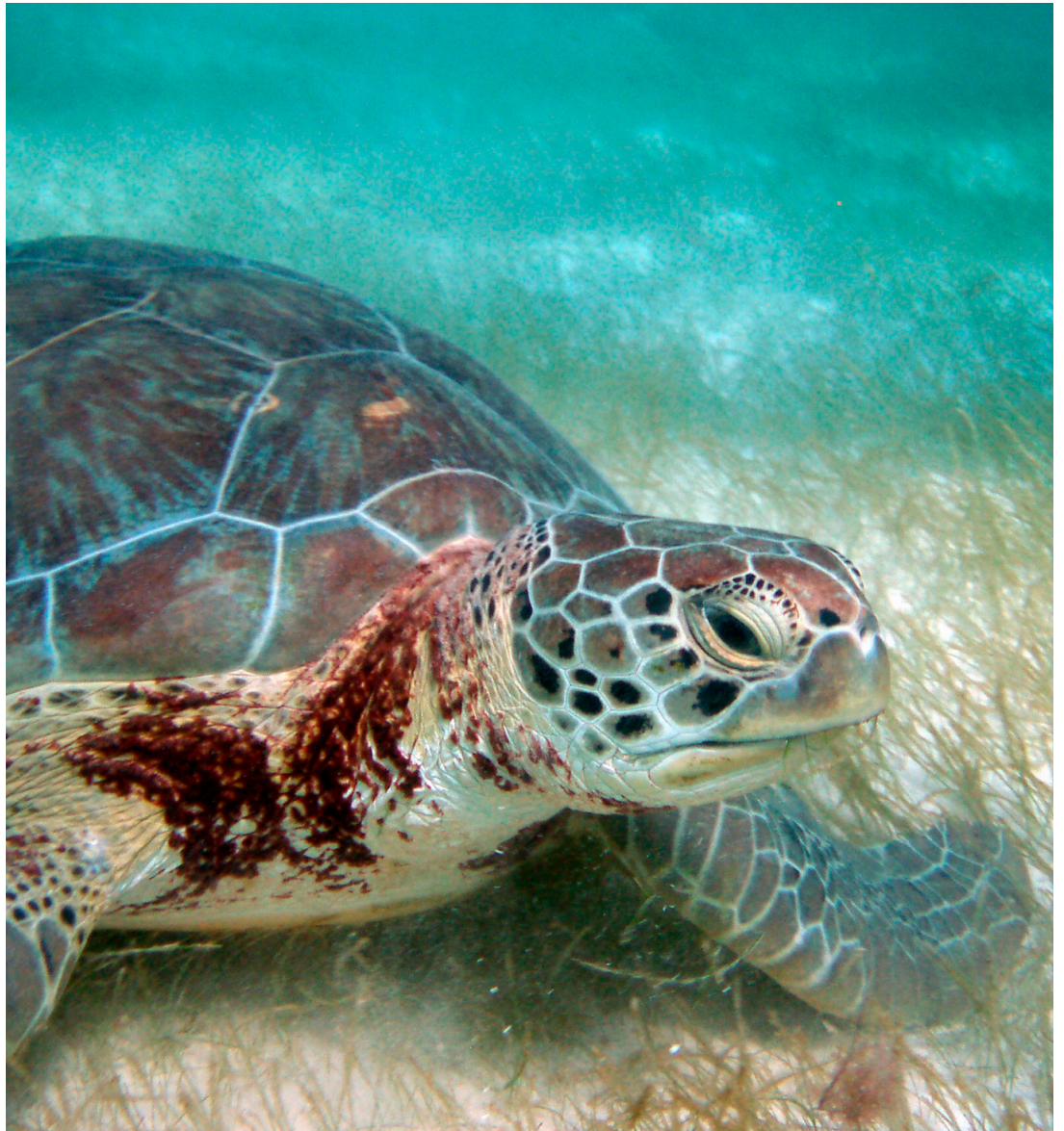
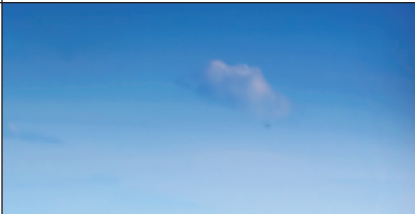
The Campus Ecology team thanks all of our friends and advisors leading up to and during the timeframe detailed in this report.

In forecasting the team’s role in the future, among several initiatives, we look forward to more effort in the following areas:

- **Advancing green education, starting with a focus on the role of community colleges in green jobs education and training and eventually moving into broader aspects of the curriculum.**
- **Building stronger, more sustained local communities of practice around climate action and green education that share lessons learned along the way with a broader public.**
- **Supporting and empowering people with good ideas both within and beyond our organization and broader coalitions of organizations.**

We also recognize the call to be the agents of change we seek to support in the larger world. Whether through retrofitting our buildings, lobbying to start or maintain a transit route, or supporting a local organic garden, we look forward to imagining and realizing the possibilities together.





Copyright: Thomas B McDonald

**Sea Turtle**



## APPENDIX A:

# CAMPUS ECOLOGY FELLOWS & PROJECTS, 2000–2009

Since 2000 Campus Ecology has supported 131 Fellows from 90 schools in 32 states and Puerto Rico. And the program continues to grow. Following, meet all of our Fellows from the first class to the class of 2009.

### Class of 2000

#### Suzanne Savanick Hansen University of Minnesota

**Project:** Suzanne helped organize the University of Minnesota's Sustainable Campus Initiative Committee as well as designed a process to use the campus in educational activities. Those activities included a campus wetland restoration project and a long-term plan for student monitoring of nonpoint source pollution. The committee's work has since been incorporated into a new campus sustainability coordinator position and the campus habitat continues to benefit from the wetland restoration.

**Biography:** Suzanne credits her Fellowship for giving her the experience she needed to excel in her current position as the sustainability manager at Macalester College. Since graduating, she has stayed involved with NWF by serving on Campus Ecology's Advisory Council.

#### Suzanne on her Fellowship:

*NWF's Campus Ecology fellowship gave me crucial initial funding to start the Sustainable Campus Initiative at the University of Minnesota. The Sustainable Campus Initiative gave me practical experience with campus sustainability as well as a dissertation topic. I build upon this previous experience every day in my job as the sustainability manager at Macalester College.*

#### Panama Bartholmy Humboldt State University, California

**Project:** Chair of the HSU Committee for a Sustainable Campus, Panama established a central clearinghouse for campus sustainability projects, filling a critical gap in information on campus.

**Biography:** Panama is currently a master's candidate in community development at the University of California, Davis. Concurrently, he serves as an advisor to the chair of the California Energy Commission and participates in the Governor's Green Action Team, the Environmentally Preferable Purchasing Taskforce and the Collaborative for High Performance Schools. Previously, he worked for the California Conservation Corps on vocational environmental education, ran the Sustainable Schools program for the Division of the State Architect, served as a judge for the Governor's Environmental Economic Leadership Awards programs, and most recently, served on the Governor's California Performance Review.



**Jenifer Roth**  
**Pratt Institute, New York**

**Project:** Jenifer worked to reduce the quantity of toxic materials used at Pratt and other art colleges and universities. She developed a handbook about the health hazards of art materials and safer alternatives, distributing it to faculty, staff and students online and during an educational training session.

**Biography:** Jenifer earned her master's degree in city and regional planning from Pratt Institute in December 2001. While completing her degree, she worked as a research associate at INFORM, a national nonprofit organization, in their Solid Waste Prevention Project.

**Andre Shoumatoff**  
**University of Vermont**

**Project:** Andre completed a greenhouse gas inventory for the University of Vermont and used his findings to make recommendations for reducing campus emissions. He also created a website to inform the community on potential climate effects in New England based on research gathered from EPA officials.

**Biography:** Andre works as a website developer and firm selection consultant for Shoumatoff Media. Previously, he served as executive director for Utah Biodiesel, a biodiesel advocacy nonprofit where he grew the distribution and use of biodiesel from nearly zero to over 25 retail locations and dozens of fleets including Salt Lake City International Airport and every fleet vehicle in Park City, Utah.

**Manisha Rose Snoyer**  
**Brandeis University, Massachusetts**

**Project:** Manisha helped close the 3R (reduce, reuse, recycle) loop in Brandeis' recycling program. With the support of the Recycling Club and environmental studies program, she developed a paper management plan to significantly reduce paper use on campus. Additionally, she conducted a cost-benefit analysis showing how reduction efforts compare to the increased cost of 100-percent-recycled paper.

**Biography:** Manisha is currently an actress in New York City and teaches acting in French to performing arts professionals and theatre lovers.

**Manisha on her Fellowship:**

*I loved the program. It was great fun, incredibly well organized and supportive. The highlight was when I got to go to a conference in Washington, D.C. and meet environmental leaders as one of the four student reps. I did feel quite like an eco-rock star as a young college student at the time. I learned so much about how to promote projects of all kinds. I think in a way this project sealed my own personal commitment to living a sustainable life and bringing the principle of sustainability to all that I do.*

**Sean Armstrong**  
**Humboldt State University, California**

**Project:** As co-director of HSU's Campus Center for Appropriate Technology (CCAT), Sean researched and co-wrote a book about the 22-year history of "appropriate technologies" at the internationally known demonstration home for sustainable living. Directed and funded by students, CCAT is in its 31<sup>st</sup> year and continues to serve as a living laboratory for experiential learning opportunities in designing, creating and testing numerous appropriate technologies, green building designs and sustainable living techniques.

**Biography:** Sean is currently developing an eco-hostel in Eureka, California where guests learn firsthand about sustainable living. He is also president of the Humboldt Bay Sustainable Living Center board.



**Tasame Savathasuk**  
**Occidental College, California**

**Project:** Tasame made refinements to Occidental's recycling practices and public education tools to create a more efficient recycling program. The college continues its strong recycling program – recycling aluminum, glass, cardboard, paper, some plastics, electronic waste and 90 percent of its green waste.

**Biography:** Not available

**Jeffrey Thomas**  
**Tulane Law School, Louisiana**

**Project:** Jeffrey initiated an assessment of the environmental regulations to which universities must adhere and developed a compliance guideline to make it easier for them to meet those regulations. In 2008, Tulane's president signed the American College and University Presidents' Climate Commitment, challenging the university to reduce emissions on campus and support energy efficiency, renewable energy and ecological restoration in the community.

**Biography:** Following Hurricane Katrina, Jeff served in the Office of Recovery Development Administration for several years where he oversaw a range of projects, including converting grassroots recovery plans into grants and spearheading efforts to restructure city laws and bureaucracies to diminish blight and restore public buildings. Jeff currently does independent consulting.

**Erin English**  
**Pennsylvania State University**

**Project:** Erin built a Living Machine™ model on campus that demonstrates natural wastewater treatment using plants, bacteria and microorganisms. Located in the center of campus, the Living Machine both cleans the water from one building and serves as a visible community teaching tool.

**Biography:** Erin is a professional engineer at a consulting firm specializing in sustainable wastewater and stormwater management systems. She has extensive experience in designing wastewater small-diameter collection and treatment systems, including constructed wetlands, sand filters, trickling filters, irrigation reuse and UV disinfection. Erin has also worked on systems for recycling wastewater and rainwater for toilet use.

**Hwei-Ling Greeney**  
**University of Massachusetts Amherst**

**Project:** Hwei-Ling identified barriers to and developed strategies for implementing a comprehensive, environmentally sound paper procurement plan for a large, decentralized university purchasing system. The university still operates an environmentally progressive paper procurement plan – an estimated 60 percent of its paper comes from recycled sources.

**Biography:** Hwei-Ling is a program manager at the Center for Human Development in Springfield, Massachusetts.



**Andrea Poley**  
**Rensselaer Polytechnic Institute, New York**

**Project:** Andrea worked to make recycled paper an integral part of the RPI campus. Her project included analyzing different recycled paper options and choosing the optimal one. The campus continues to take campus sustainability seriously – Rensselaer Recycles is one of several campus greening projects.

**Biography:** Andrea is an assistant planner for the city government in Troy, New York.

**Monica Sergott**  
**Stanford University, California**

**Project:** Monica established a campus-wide composting system in dorm dining halls and house kitchens. Her project included logistical and financial planning, education and establishing an enduring program. As of March 2009 all dining halls, 43 student-managed houses and 13 campus cafes/restaurants have compostable material collection service. Stanford currently diverts about 97.93 tons of waste monthly.

**Biography:** Monica is currently pursuing a master's degree in anthropology and ecotourism at Stanford.

**Aaron Domini**  
**Fort Lewis College, Colorado**

**Project:** Aaron promoted the need for a permanent, full-time Campus Ecology coordinator in order to form a strong foundation for initiating and continuing ecologically sound practices at Fort Lewis College.

**Biography:** Aaron is a city planner for the city of Reynoldsburg, Ohio. He credits his Fellowship for teaching him valuable communication skills.

**Lara DuMond**  
**Middlebury College, Vermont**

**Project:** Lara assessed and mapped a freshwater wetland on Middlebury's campus. Through field assessment, she researched and made recommendations for a community-based restoration plan and worked to educate the campus community about the importance of wetland habitats to wildlife, humans and water quality.

**Biography:** Lara is currently finishing her master's degree in environmental law at Vermont Law School. She credits her Campus Ecology Fellowship for generating her interest in wetlands and related water-quality issues. In her first post-graduation job, Lara conducted a pro bono watershed-based wetlands restoration assessment for Massachusetts.

**Lara on her Fellowship:**

*The Fellowship pushed me to go beyond my comfort zone and to connect with the college and local community regarding my work in wetlands restoration. While the specific restoration project I proposed didn't happen on the ground, the work generated a lot of general interest about wetlands restoration and protection on campus, as well as locally. I think that the Middlebury College administration considered the impacts of the college's future institutional expansion plans more seriously [and] was more aware of on-campus wetland resources after the project.*



**Andrew Nixon**  
**Western Michigan University**

**Project:** Andrew compiled campus environmental assessments performed around the U.S. and Canada, and conducted a comprehensive review of these documents to facilitate future campus environmental assessments. Western Michigan University maintains a strong commitment to campus sustainability and was recently awarded a Green Award in the Greatest Green Initiative category by *Business Review West Michigan* for green awareness initiatives including a comprehensive campus sustainability website.

**Biography:** Not available

**Class of 2001**

**Rose (Peterson) Tocke**  
**Western State College, Colorado**

**Project:** Rose helped design and implement a campus cold-weather composting program. She also educated the college and local community about composting and established a student-faculty composting coalition to maintain the program. Since its inception, the composting coalition has grown in size and scope. The “greenhouse-shed” built for composting is now the campus garden’s greenhouse and the coalition is making a second effort at getting the cafeteria to compost food waste.

**Biography:** Rose started her own business, Full Circle Collaborative, which provides consulting and education in ecological design, diet remodeling, edible landscaping and childbirth education and support. She is also working on a master’s degree in ecological restoration and, additionally, partners with EDAPO Organization Uganda to help build resource security for an orphanage serving at-risk youth.

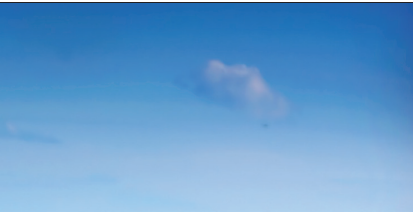

**Rose on her Fellowship:**

*Personally, the Fellowship allowed me to transform a wild idea into reality, and the empowerment I gained from this experience has helped me to continue dreaming big and achieving my goals ever since. Furthermore, the actual project that the Fellowship funded was on the leading edge of sustainability efforts on my campus, and my project laid the foundation for eight years (and counting!) of passionate, effective and transformative student-led sustainability initiatives. It’s a gift that keeps on giving!*

**Jessian Choy**  
**University of California, Santa Cruz**

**Project:** Jessian worked to develop the Student Environmental Center – a centralized means for promoting student collaboration on implementing environmentally sound practices on campus, supporting existing student environmental organizations, and encouraging the development of new groups. Thanks to Jessian’s Fellowship work, the Student Environmental Center has been going strong for nine years with over 70 students leading 10 campaigns in 2009, 300 people attending the Campus Earth Summit in 2008 and over \$120,000 in funding per year.

**Biography:** Jessian is the City Toxics Reduction Assistant at the San Francisco Department of Environment where she helps cre-



ate and enforce green policies. She assists in developing contracts so 28,000 city staff can save money and comply with the city's cutting-edge green purchasing ordinance. Jessian also helped create the first SF Approved List of over 1,000 green products. The List includes her pet project – the nation's first list of the most energy-efficient lighting with the least amount of mercury.

**Jessian on her Fellowship:**

*NWF took a risk and invested in my idea for a campus ballot initiative that eventually created a permanent fund to green everything on campus: food, purchasing, transportation, zero waste, etc. As a result, we were able to bring [together] over 40 students, faculty and alumni to be a collective voice for creating a campus plan to save money and protect our health and environment and lay the groundwork for a new student fee that eventually funded a full-time program manager to build momentum even after new leaders replaced graduating students.*

**Tera Nicole Compton  
Emory University, Georgia**

**Project:** Tera conducted a campus greenhouse gas inventory and recommended practices for decreasing campus CO<sub>2</sub> emissions. Since her initial inventory, Emory conducted another analysis in 2005, finding their carbon footprint had actually grown because of two million additional square feet of building space. Emory now uses the Clean Air-Cool Planet calculator for their greenhouse gas inventory and created an Office of Sustainability Initiatives to develop an energy-reduction plan. Their goal is to reduce energy use per square foot by 25 percent by 2015.

**Biography:** Tera graduated from Emory University and went on to earn a law degree.

**Alison (Donovan) Hollingsworth  
University of Vermont**

**Project:** Alison evaluated UVM campus bus emissions and the emissions from potential alternatives. Her subsequent report was an important step toward the university's decision to use biodiesel in its buses while converting, over time, to natural gas-fueled buses.

**Biography:** Allison works for the Vermont Energy Investment Corporation, a nonprofit organization internationally recognized for its important work helping government at all levels develop and achieve energy conservation, energy efficiency and renewable energy goals and initiatives.

**Anna Heidorn  
Sterling College, Vermont**

**Project:** Anna developed a portfolio of designs for green residence halls at Sterling College. The designs feature appropriate alternative technologies and the portfolio includes: information about green buildings, grant agencies, community input and a viable dorm design and budget. Sterling College is currently designing a 20-bed "green" student residence largely funded by a Vermont state grant.

**Biography:** Anna earned her undergraduate degree in conservation ecology from Sterling College and now works as land manager with the town of Lincoln Conservation Department in Lincoln, Massachusetts.

**Jennifer Liston  
Francis Marion University, South Carolina**

**Project:** Jennifer worked to enhance and formalize the educational outreach opportunities of the Wallace Woods Nature trail on campus (the first nature trail with labeled specimens and monthly guided tours in Florence County and the four adjacent counties). Her Fellowship not only helped educate about the plants and animals of Florence, but also about conservation and other local environmental issues.



**Biography:** Jennifer earned a B.S. in biology from Francis Marion University. She has volunteered for many organizations that educate and help protect wildlife including the Florence Area Humane Society, Carolina Wildlife Care Center, Tri-State Bird Rescue and Research and the Rural Action Bat Conservation Project.

**Carolyn Mitton**  
**Valley Forge Christian College, Pennsylvania**

**Project:** Carolyn led a habitat restoration program on her campus. The project involved strategically placing nest boxes and adding native plants to the campus landscape to encourage bluebird nesting. To enhance environmental awareness, she also created a campus club, brochures and website.

**Biography:** Carolyn majored in elementary education.

**Kathryn Yurkonis**  
**Carroll College, Wisconsin**

**Project:** At the time of Kathryn's Fellowship, the Howard T. Greene Field Station operated by Carroll College had discovered a noticeable decline in the abundance and community composition of trout in Genesee Creek. In fulfilling objectives outlined in the field station's conservation plan, Kathryn coordinated a community effort to monitor and restore the creek for future study on aquatic biodiversity.

**Biography:** Kathryn received her B.S. in biological sciences from Carroll College in 2003 and her M.S. in biological sciences from Eastern Illinois University in 2005 where she studied exotic species invasion in abandoned agricultural fields. Kathryn is currently a Ph.D. candidate in the Ecology, Evolutionary Biology Graduate Program at Iowa State University. Her research centers on understanding how plant distributions in space may affect future diversity and invasibility.

**Stacy (Holloway) Strickland**  
**Columbus State University, Georgia**

**Project:** Stacy worked to establish a more ecologically sound response to erosion control; reduce effects of nonpoint source pollution from stormwater runoff; increase green space areas to assist the local government in achieving their goal of retaining 20 percent green space; and assist state and local efforts to comply with the 1987 amendments to the Clean Water Act by restoration of the riparian zone., Her Fellowship efforts continue to benefit Lindsey Creek and students are still using the section of the stream she worked on to research the presence of aquatic insects to determine water quality.

**Biography:** Stacy earned her master's degree from Florida State University and now is a middle school earth science teacher. She credits the Fellowship research experience for helping her teach students how to investigate their own questions.

**Stacy on her Fellowship:**

*To be able to visit campus periodically and see the beautiful trees along the edges of Lindsay Creek is a great feeling! Knowing that those trees would not be there without my research and efforts is a very fulfilling feeling.*



**Dacey Mercer**  
**Warren Wilson College, North Carolina**

**Project:** Dacey promoted the use of native plants in commercial landscaping and encouraged the reintroduction of natives. She helped propagate native grasses and wildflowers on campus for use by the college landscaping crew and other regional interest groups. Warren Wilson continues to use these native plants in its attempt to replace many traditional mowed areas with natural grasses and flowers. Their use is an essential part of campus and regional sustainability and continues to grow.

**Biography:** Dacey earned her master's degree in wildlife science from Oregon State in 2008. She is now working for the USDA agricultural research service as a biological science lab technician in Idaho.

**Ivy Dunlap**  
**University of Oregon**

**Project:** Ivy helped develop a “scorecard” for measuring the sustainability of proposed landscape designs on campus. The university’s current “Campus Plan” continues to value sustainable campus landscaping practices by requiring all development, redevelopment and remodeling on campus to incorporate sustainable design principles.

**Biography:** Ivy earned both her undergraduate and graduate degrees in landscape architecture from the University of Oregon and is a LEED-accredited professional. She works for landscape design firm Mayer/Reed.

**Daniel Alex Feinberg**  
**Occidental College, California**

**Project:** Daniel conducted an intensive study of organic produce programs at academic institutions as part of an effort to replace Occidental’s current produce with organic. The college is still committed to integrating sustainability into campus dining, purchasing regularly from a large scale virtual farmers’ market and joining the Real Food Challenge – a nationwide network of over 300 institutions to redirect 20 percent of all food purchased by colleges and universities towards “real food” by 2020.

**Biography:** Not available

**Darryl Huston**  
**Morehead State University, Kentucky**

**Project:** Darryl helped enhance the campus recycling program’s effort to educate the student body and local community about recycled products by identifying recycled products, writing articles and developing brochures, a website, a questionnaire and the “Buy Recycled” Purchasing Policy. The recycling program continues to grow. Morehead State started a “Blue, Gold, Green” program to increase environmental awareness and a green committee has recently been formed as the result of a growing campus demand.

**Biography:** Darryl graduated from Morehead State and went on to pursue a law degree.



**Vaishali Patgaonkar**  
**Michigan State University**

**Project:** Vaishali's project assessed and made recommendations regarding the needs and issues of recycling beverage containers at MSU. Her study undertook an inventory of the amount, type and locations of beverage containers not currently being recycled and studied what other campuses were doing. Since her Fellowship, MSU has set clear goals to reduce its environmental footprint by 2015 and a new Surplus Store and Recycling Center aims to process three times as much as the current facility. The facility is also being built with environmental principles and will teach visitors about the recycling process.

**Biography:** Not available

**Aidan (Reilly) Tesch**  
**Edgewood College, Wisconsin**

**Project:** Aidan promoted the use of rain gardens as an alternative stormwater management practice. She worked to design and construct rain gardens on campus and conducted outreach activities, including workshops, an information pamphlet, a how-to manual and website. The rain garden created during Aidan's project is still active and continues to be used for education and outreach on campus.

**Biography:** Aidan works at the University of Wisconsin.

**Deborah A. Scott**  
**Goshen College, Indiana**

**Project:** Deborah worked to educate the campus community about native landscaping by compiling a comprehensive report of native plants and trees suited to the Northern Indiana ecosystem and using the information to plant a small patch of prairie on her campus. The campus's groundskeeping department continues to incorporate "green" landscape and lawn care methods and integrate native plants.

**Biography:** Deborah recently moved back to the U.S. from Kenya where she worked for three years as the food sovereignty policy advisor for an NGO. She is now in her first year of a Ph.D. program at Rutgers University where she is studying human geography and political ecology.

**Deborah on her Fellowship:**

*The NWF Campus Ecology Fellowship gave me the opportunity to try my hand at both doing research on native landscaping and working to organize the efforts of campus groundskeeping, the student body and local community to find ways to be more responsible keepers of our campus landscape. The project also inspired my graduating class to dedicate our class gift fund to native landscaping on campus!*



**Kelly Marie Smith**  
**Virginia Polytechnic Institute**

**Project:** Kelly researched conditions best suited for the Four-flowered Loosetrife in order to reintroduce the plant on campus (it was eradicated by construction) and helped to create a new wetland teaching garden. Additionally, her Fellowship work provided local conservation agencies with important soil information in Stuarts Draft, Virginia and requirements for sustaining the endangered plant populations.

**Biography:** Kelly is now an earth science teacher in Henrico County, Virginia.

**Karyn Stockdale**  
**University of New Mexico**

**Project:** Karyn helped implement the Promoting Environmental Literacy Project (PELP) at UNM. PELP dramatically increases the environmental education at UNM and further develops student participation in community activities and concerns. UNM continues to strongly value environmental literacy, offering a unique sustainability studies minor program.

**Biography:** Karyn is the vice president and executive director of Audubon, New Mexico. Prior, she served as the interim state director with the Trust for Public Land (TPL) in New Mexico and supervised a portfolio of conservation projects as a TPL project manager for over six years. Karyn received the Trust for Public Land's highest award in 2006, the Collins Award for Excellence in Project Management.

## **Class of 2002**

**Jennifer (Hanink) Grieser**  
**Indiana University**

**Project:** Jennifer helped create a wildlife habitat demonstration site and educational materials she then used to educate the campus and local community about wildlife habitats and sustainable landscaping practices. Indiana University continues to support campus sustainability and student initiatives through its Office of Sustainability, Campus Sustainability Advisory Board and Student Sustainability Council.

**Biography:** Jennifer is the riparian buffer coordinator for the New York City Department of Environmental Protection's (DEP) stream management program. She credits her Fellowship experience for helping her to get an AmeriCorps position at DEP, which eventually led to a permanent position.

**Jennie Rambo**  
**Arizona State University**

**Project:** Jennie helped create a network of long-term and large-scale natural landscapes at ASU using plants native to the Sonoran desert and low-elevation riparian forests as part of the Native Habitat Project. The project promotes understanding of the ecological importance of native plants and provides ecology laboratories for the life science departments, wildlife habitat, and permanent additions to the ASU arboretum and community outreach. ASU's campus is also the state's largest public arboretum and is committed to proper water management, conservation and community ecological education.

**Biography:** Jennie is now working at the Riparian Preserve in Gilbert, Arizona planting gardens to educate people about native plants and pollinators.



**Sherrill Baldwin**  
**Michigan State University**

**Project:** Sherrill identified barriers to harvesting and distributing MSU agricultural research byproducts (edible food) to community groups in the region. Through Sherrill's documentation of on-campus activities she helped MSU realize how they practice sustainability within their agricultural research frame.

**Biography:** Sherrill now works for Connecticut's Department of Environmental Protection, Source Reduction and Recycling Program. She works on online resources and facilitates two stakeholder groups: Materials Reuse Network which focuses on building materials reuse and deconstruction and the Gypsum Wallboard Recycling group which works on gypsum wallboard recycling from new construction.

**Julian Dautremont-Smith**  
**Lewis and Clark College, Oregon**

**Project:** Julian ran a campaign to raise student fees by the amount necessary to purchase enough offsets to make Lewis and Clark climate neutral. Concurrently, he worked to encourage greenhouse gas inventories and offset purchasing campaigns at other colleges across the nation in hopes of creating a consortium of climate neutral colleges. Julian's campaign eventually raised enough money to fund the offsets. Lewis and Clark currently derives 30 percent of its energy from renewable sources.

**Biography:** Julian is currently working toward an M.B.A/M.S. in sustainable enterprise at the University of Michigan. Prior to pursuing his graduate degree, Julian helped found and then served as associate director for the Association for the Advancement of Sustainability in Higher Education (AASHE).

**Julian on his Fellowship:**

*The Campus Ecology Fellowship really helped launch my career in campus sustainability. It helped me deepen my understanding of greenhouse gas inventory methodology and campus climate action more generally. The knowledge I gained during the Fellowship was incredibly valuable in the development of the American College & University Presidents' Climate Commitment.*

**Bryan Dewsbury**  
**Morehouse College, Georgia**

**Project:** Along with Morehouse's Environmental Club, Bryan initiated a recycling awareness and improvement campaign. The campaign involved increasing the number of recycling bins, expanding the program to recycling plastic in strategic campus locations, and targeting seminars and publicity programs toward raising general awareness. The college currently has a single-stream recycling program that handles paper, cardboard, plastic, glass and metal, and separate programs for ink, toner cartridges, batteries, computers and electronics. And since the completion of Bryan's project, the college hired a full-time environmental health and safety manager.

**Biography:** Bryan is pursuing a master's degree in biological sciences at Florida International University.



**Ted Grudin**  
**Pomona College, California**

**Project:** Ted worked to acquire Pomona's first solar panels. His efforts resulted in a measureable decrease in fossil fuel-based energy reliance and overall decrease in the campus's carbon footprint. Pomona currently has 90.7 kW of solar photovoltaic arrays, which produce approximately 118,834 kWh per year.

**Biography:** Ted recently finished the New York City Teaching Fellowship and is now working as a producer on a documentary project called the *Iraqi Seed Project* that explores the history and current status of agriculture in Iraq. He is currently applying to environmental studies Ph.D. programs with the hope of researching the intellectual history of the idea of nature and its implications for environmental ethics.

**Ted on his Fellowship:**

*My Campus Ecology project remains one of my most valued achievements – it taught me how ideas can be transformed into social and economic progress. I continue to pursue environmental issues with this attitude; I look for creative solutions and believe that society is ripe for such progress.*

**Sean Kinghorn**  
**Humboldt State University, California**

**Project:** Sean built on the Fellowship project of former Campus Ecology Fellow Panama Bartholomy, continuing with the Campus Climate Footprint Project to calculate HSU's greenhouse gas emissions. His project aimed to develop an overarching theme for campus sustainability initiatives and helped shape HSU's plan to cap their greenhouse gas emissions by 2020 to 1990 emissions levels, reduce its energy consumption by 15 percent, and increase its renewable energy portfolio and onsite energy generation.

**Biography:** Sean earned his bachelor's degree in political/environmental studies from University of California, San Diego and his master's degree in natural resource planning from Humboldt State University. Sean now works for Kleinfelder, Inc. as a senior planner responsible for growing the firm's environmental planning and permitting capabilities in Southern California.

**Dee Allen Mayo**  
**Nicolet Area Technical College, Wisconsin**

**Project:** Dee identified native plants along the college's walking trails, photographed them in bloom and created a self-guided walking tour brochure. The brochure included the common and Latin name of the plant and the Ojibwa name and traditional use of the plant. Plants were then identified with botanical markers. Nicolet maintains a far-reaching campus sustainability initiative and student internship program.

**Biography:** Dee is a member of the Lac du Flambeau Band of the Lake Superior Chippewa Tribe and works full time on rules and regulations relating to the tribal Environmental Protection Agency. But her dream is to teach outdoor education, introducing native children to native plants and traditional native culture. She is also a member of the Native American Fish and Wildlife Society, the Tribal Conservation Code Committee, the Lac du Flambeau Headstart Policy Council and the Abinoojiiyag Youth Center.



**Seth McKeon Mulligan**  
**Alfred University, New York**

**Project:** Seth initiated a joint composting project to reduce dining hall solid waste and create a new academic course to integrate composting into the classroom. Today, working with the environmental studies program, Dining Services is composting pre-consumer waste. Cardboard, glass, plastic and tin have been recycled for years, and beginning on January 31, 2010 Dining Services launched "Focus on Alfred," a reusable travel mug program.

**Biography:** Seth is the executive director for the New York AgriDevelopment Corporation whose mission is to increase the number and profitability of value-added agriculture and food production companies in New York. He recently formed GoVo Biofuels which uses green technology to process vegetable oils and pure plant oils to petroleum alternatives.

**John Alex Pocock**  
**College of Wooster, Ohio**

**Project:** John helped create the College of Wooster Community Bike Program. The program's purpose is to be a resource for those looking for a more sustainable mode of transportation, provide a network for those interested in cycling and to encourage local exploration via bicycle. The student-run organization is still active and provides free bike rental and repairs to students.

**Biography:** Not available

**Ron Schildge**  
**Middlebury College, Vermont**

**Project:** Ron helped institute an operational refinery for the biodiesel production on campus. Facilities were set up to produce the fuel and run a test vehicle. The vehicle was used for educational purposes including demonstrations in local schools and community events. An awareness initiative coincided with the project to inform the college and local community of the project. Middlebury has continued their investment in alternative fuels and recently built a state-of-the-art wood chip heating plant.

**Biography:** Ron earned his master's degree from Dartmouth College and is now a high school history teacher at Suffield Academy in Connecticut where he also leads the campus sustainability organization. Ron served in the Peace Corps in Malawi and taught at the Mahindra United World College of India near Mumbai, India.

**Ron on his Fellowship:**

*The NWF Fellowship helped me start a meaningful program on campus that got other students interested and excited about alternative fuels. I was surprised by the response, and in the following years we even sent a bus across the country powered on vegetable oil. I'm grateful the NWF Fellowship gave me the tools to make a small difference and soften my footprint on the planet. As a father now myself, I believe even more deeply in the importance of protecting the world we've inherited. I aspire for my son to enjoy the environment as I have.*



**Erika Swahn**  
**University of Vermont**

**Project:** Using the campus footprint spreadsheet CampusCalc, Erika calculated the ecological footprint of the University of Vermont and used the results to educate the campus about the environmental impacts of campus operations and to inform decision-making. Erika's analysis has served as an important point of reference for the university when discussing reasons for focusing on local meat and dairy and considering that the university's carbon footprint doesn't cover all campus operations.

**Biography:** Not available

### **Class of 2003**

**Ariel Diamond**  
**Wellesley College, Massachusetts**

**Project:** Ariel's project proposed creating a sustainable, expandable and convenient campus recycling program. The project was carried out by Wellesley Energy and Environmental Defense (WEED), a multi-constituency campus group Ariel founded. Due in large part to Ariel's Fellowship efforts, Wellesley still maintains a strong recycling program.

**Biography:** Ariel is pursuing an M.B.A in sustainable management from Presidio School of Management. She also helped found the Food and Liquor Project, part of the Chicago-based Neighbors Project. The Food and Liquor Project aims to "encourage people to buy fresh produce from local corner stores, bodegas and liquor stores ... and encourage more neighborhood stores to sell fresh fruits and vegetables."

**Corinna Kester**  
**University of Texas at Austin**

**Project:** Corinna helped establish the UT Austin Campus Environmental Center with the purpose of involving students in environmental issues, serving as a resource for student environmental organizations, and reducing the university's environmental impact. Corinna's work as a Fellow jumpstarted sustainability at UT Austin and the Campus Environmental Center is still active.

**Biography:** Corinna is a sustainability consultant in San Francisco at KEMA. She mostly serves as a consultant on LEED existing buildings for high-rise buildings and some higher education institutions.

**Collin Lee**  
**University of North Carolina at Chapel Hill**

**Project:** Collin helped organize educational seminars, field trips and Town Hall forums to secure the purchase of green-energy shares for the university's Academic and Health Affairs campuses and create a fund for renewable energy projects. In 2003, a renewable energy referendum passed at the University of North Carolina at Chapel Hill, bringing approximately \$200,000 for renewable energy projects every year beginning 2004-2005. In February 2005, the referendum was renewed with 85 percent approval.

**Biography:** Collin graduated from UNC Chapel Hill in 2004 with a degree in environmental studies. He now works at Club Nova in North Carolina as a community support worker. Club Nova provides a holistic, caring environment to promote rehabilitation and reintegration for individuals with mental illness.



**Jennifer Lopez**  
**Hunter College of the City University of New York**

**Project:** Jennifer promoted methods of waste reduction at Hunter College, made access to campus recycling stations easier and generated support from the majority of the campus for the Talliores Declaration. Sustainability efforts on campus are still going strong – Hunter College formed a Sustainability Council and developed a sustainability plan in response to the Bloomberg administration’s “30 in 10” Challenge to reduce greenhouse gas emissions by 30 percent within 10 years.

**Lorenzo Macaluso**  
**University of Massachusetts Amherst**

**Project:** Lorenzo helped create the Green Office Training Institute (GOTI) – a program in which the Office of Waste Management (OWM) conducted workshops for departmental assistants and office managers on how to run a sustainable office. The program reached 49 staff members from UMass as well as four surrounding colleges. Through his Fellowship, Lorenzo was also able to reduce single-source paper consumption on campus and the student newspaper and a departmental office significantly reduced paper consumption, saving thousands of pounds of paper and thousands of dollars in printing costs.

**Biography:** Lorenzo received an M.P.H. in environmental health and B.S. in natural resources from the University of Massachusetts. He is now a waste management specialist at the Center for Ecological Technology in Massachusetts where he works to increase composting, recycling and reuse.

**Lorenzo on his Fellowship:**

*The Fellowship experience was helpful in connecting me to other students with similar goals on other campuses. Now that it has been almost 10 years since my Fellowship, I am happy to see the program is still available to other students looking to support their studies and help green their campus.*

**Susan Aiezza**  
**Ball State University, Indiana**

**Project:** Susan helped educate the campus, local and statewide communities on the importance and sustainability of Indiana’s natural resources. She produced a seven-minute segment on sustainability for a weekly magazine program called “Indiana Outdoors.” “Indiana Outdoors” lives on at Ball State as a student-run program that travels the state of Indiana to film stories about historical and recreational activities outdoors. They are currently filming stories for their third season.

**Biography:** Susan earned a bachelor’s in natural resource management and engineering at the University of Connecticut and a master’s in environmental communications from Ball State. While at UConn, she was involved with a statewide air pollution project to better understand state air pollution patterns. She is currently searching for a job in the environmental field.

**Susan on her Fellowship:**

*My NWF Campus Ecology Fellowship was not only a great nod of support to the work that I do, but also to Ball State University for pushing to be a more green- and conscious-minded campus. With the Fellowship I was able to write, produce and host a series of television stories for “Indiana Outdoors” which educated the public on great ways to enjoy the natural resources around them. Additionally, and most significantly, I produced a short video on the recycling program at Ball State which will be used to educate new students on the [campus] recycling programs and beyond!*



**Isiah Dalton**  
**Wilbur Wright College, Illinois**

**Project:** With campus support, Isiah established a Green Team to address environmental responsibility issues. He created a natural landscape in an urban setting, incorporating Schoolyard Habitat criteria and expanding the existing native prairie garden on campus. Isiah's Fellowship project has seeded interest from alumni and current students in "greenscaping" and other environmental projects on campus.

**Biography:** Isiah is currently looking for employment within the environmental field with focuses ranging from law and policy to community action work.

**Isiah on his Fellowship:**

*The Fellowship experiences helped me realize my leadership skills, the power of coalition building and how it's important to get involved despite any odds. My passion for wildlife habitats, natural systems biotic and its abiotic factors and the urban environment has developed from the support and guidance I got from NWF and its Fellowship program.*

**Lyndsay Hazen**  
**University of Vermont**

**Project:** Lyndsay sought to increase the number of UVM departments purchasing 100 percent post-consumer waste paper. A collaborative effort between Lyndsay, the UVM Environmental Council, the Purchasing Department and Staples Business Advantage, UVM now uses 100 percent post-consumer recycled, chlorine-free paper.

**Biography:** Lyndsay is currently working toward her master's degree in urban and regional planning at the University of Colorado Denver. She has been working on a greenhouse gas emissions inventory and sustainable energy plan for the city of Durango.

**Katherine Manchester**  
**University of Rhode Island**

**Project:** Katherine worked to establish a visual presence for green energy on campus. She developed an educational sign and increased communication lines within the university in the effort to institutionalize the concept of green energy initiatives. URI continues to be a leader in research and development of alternative fuels – the URI Energy Center (URIEC) brings together a cross-disciplinary team of faculty, staff and students to address energy concerns in the state and to catalyze energy research.

**Biography:** Katherine majored in civil and environmental engineering at the University of Rhode Island.

**Nyrie Palmer**  
**Rutgers University, New Jersey**

**Project:** Nyrie worked to facilitate improvements in the New Jersey Higher Education Sustainability Greenhouse Gas Action Plan. To address the plan's inadequacies, she developed a model allowing the comparison of actual and planned performance and incorporated reductions created through purchasing department initiatives. Rutgers University continues to pursue campus sustainability and has been widely recognized for its accomplishments in green procurement policies, recycling and student engagement.

**Biography:** Nyrie earned her degree from Rutgers and now works for the Department of Water and Energy at the Australian Energy Market Commission.



## Class of 2004

### Summer Rayne Oakes Cornell University, New York

**Project:** Summer promoted environmental awareness through fashion design, art and popular media by connecting academic and professional designers to create organic, nature-inspired designs for use in fashion photography and a coffee table book. Cornell's Center for a Sustainable Future continues to address environmental awareness through initiatives such as the Cornell Global Labor Institute which co-authored a groundbreaking study on green jobs for the United Nations Environment Programme.

**Biography:** Summer owns Group SJR, a "boutique consultancy at the intersection of all that is real and current." Grounded in innovative research, they develop, implement and manage traditional, online and grassroots/guerrilla campaigns. Summer published her first book in February 2009, "Style, Naturally" which explores sustainable fashion and beauty. She is also a spokesperson, resident expert and youngest member of the Board of Advisors for Planet Green, Discovery Network's eco-lifestyle network. Summer also designed a line of stylish, eco-friendly shoes, Zoe&Zac, currently offered at Payless shoe stores.

### Philip Aroneau Middlebury College, Vermont

**Project:** Phil established a vermicomposting system in a pre-existing college greenhouse producing fertilizer from campus dining hall waste for campus and community organic gardening. The project was fully integrated into the campus's organic garden and the worms are now under the care of two paid garden interns and other student volunteers.

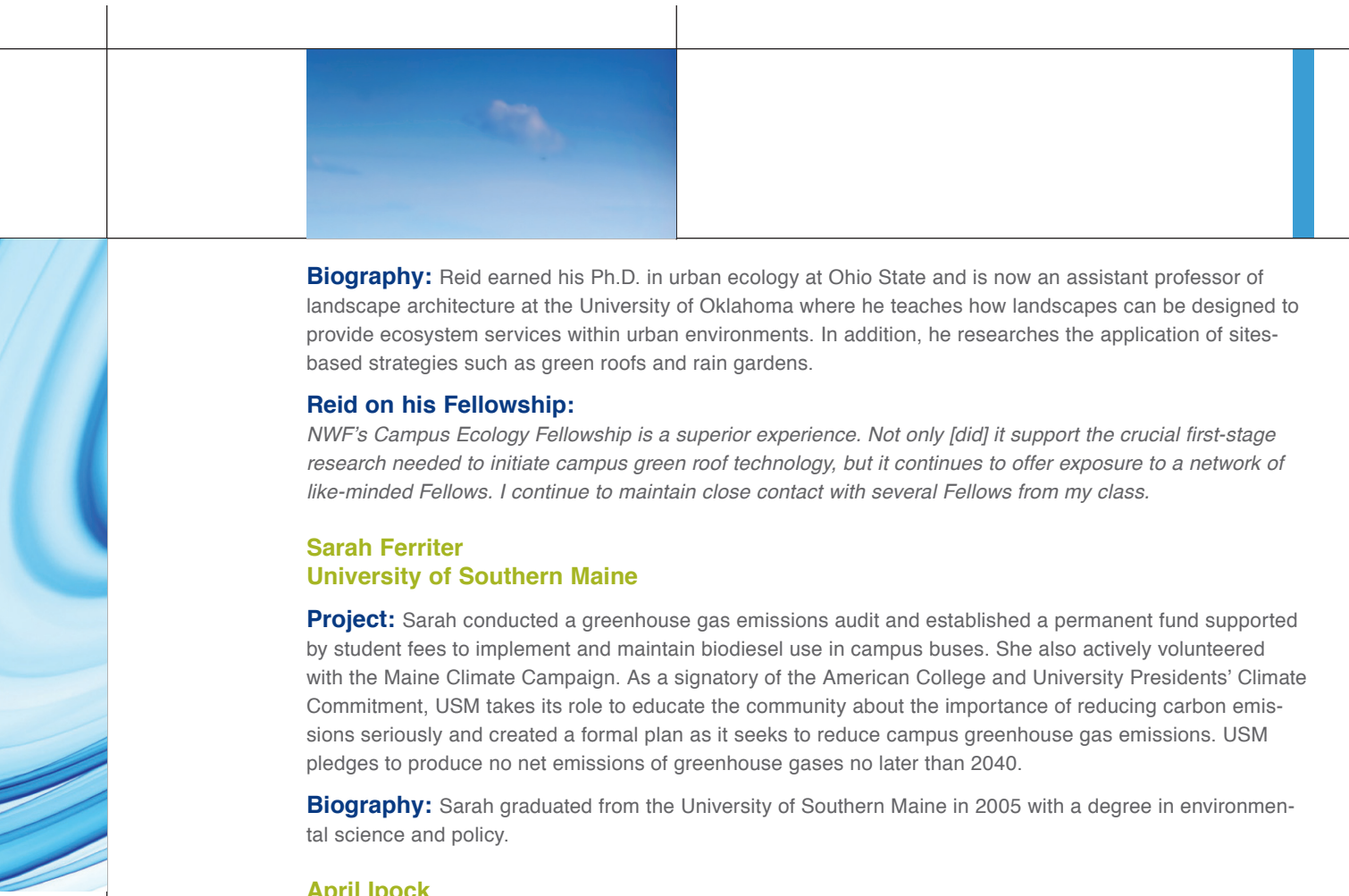
**Biography:** Phil graduated from Middlebury College in 2007 and now serves as one of the founding coordinators of 350.org, an international campaign that's building a movement to unite the world around solutions to the climate crisis. This past year, 350.org organized what CNN called the "most widespread political day of action in history." On October 24, 2009, they helped coordinate over 5,000 actions in more than 170 countries. Phil's many roles include leading new media projects, youth programs and the Africa/Middle East organizing push. He has also been leading many of 350.org's leadership workshops and attended the international climate negotiations in Copenhagen in December 2009.

### Phillip on his Fellowship:

*The NWF Campus Ecology program is like a Petri dish for innovative projects run by youth leaders. It provides them a springboard to reach for the game-changing solutions that our ecological crises require.*

### Reid Coffman Ohio State University

**Project:** Reid constructed an experimental green roof to simulate environmental conditions and evaluate the ecological and economic costs and benefits of different green roof and terrestrial ecosystems. Reid's Fellowship provided initial information on the functioning of green roofs for Ohio State. Currently, the university is expanding its research and teaching roof garden with the campus's Chadwick Arboretum.



**Biography:** Reid earned his Ph.D. in urban ecology at Ohio State and is now an assistant professor of landscape architecture at the University of Oklahoma where he teaches how landscapes can be designed to provide ecosystem services within urban environments. In addition, he researches the application of sites-based strategies such as green roofs and rain gardens.

**Reid on his Fellowship:**

*NWF's Campus Ecology Fellowship is a superior experience. Not only [did] it support the crucial first-stage research needed to initiate campus green roof technology, but it continues to offer exposure to a network of like-minded Fellows. I continue to maintain close contact with several Fellows from my class.*

**Sarah Ferriter**  
**University of Southern Maine**

**Project:** Sarah conducted a greenhouse gas emissions audit and established a permanent fund supported by student fees to implement and maintain biodiesel use in campus buses. She also actively volunteered with the Maine Climate Campaign. As a signatory of the American College and University Presidents' Climate Commitment, USM takes its role to educate the community about the importance of reducing carbon emissions seriously and created a formal plan as it seeks to reduce campus greenhouse gas emissions. USM pledges to produce no net emissions of greenhouse gases no later than 2040.

**Biography:** Sarah graduated from the University of Southern Maine in 2005 with a degree in environmental science and policy.

**April Ipock**  
**New College of California**

**Project:** April retrofitted a campus roof to support the weight of a vegetated roof and built a guardrail on two sides of the roof. (New College of California closed in 2008).

**Biography:** April majored in humanities and worked as a professional bookkeeper for local environmental nonprofits, including As You Sow and Coral Reef Alliance. Additionally, April completed a research and writing internship with Greenbelt Alliance.

**Jeffery Lyng**  
**University of Colorado at Boulder**

**Project:** Jeff designed a solar-powered bicycle kiosk for his campus's environmental center. The kiosk served as the primary facility for the bike rental and loan program, transit information and the QuickFix tool station. The university still strongly supports alternative transportation and has a number of student bicycle initiatives served through the CU Bike Station (which offers bike rentals, repairs and advice).

**Biography:** Jeff holds a B.S. in ecology from the SUNY College of Environmental Sciences and Forestry. He is the renewable energy policy manager for the Colorado governor's energy office where he works to reduce the energy intensity of the state's built environment and incorporate renewable distributed energy generation.

**Jerrad Pierce**  
**Massachusetts Institute of Technology**

**Project:** Jerrad researched, produced and distributed paper and digital "Green Maps" of the MIT campus and Cambridge area. (Unfortunately, Jerrad's Green Map has not been updated since 2005, but is still available online (<http://cambridgema.greenmap.org>)).

**Biography:** Jerrad graduated in 2005 with a degree in environmental policy and is currently pursuing a master's degree in the same from Tufts University while also working at the Cambridge Energy Alliance.



**Joe Wong**  
**Carnegie Mellon University, Pennsylvania**

**Project:** Joe assessed campus water usage and wastewater generation and developed plans for expanded water-use metering and wastewater generation measurement. In 2005, Carnegie Mellon established a research center, “WaterQUEST”(Water Quality in Urban Environmental Systems) to build on the university’s water-related research.

**Biography:** Joe graduated in December 2006 with a master’s degree in environmental engineering.

**Garret Fitzgerald**  
**University of California, Berkeley**

**Project:** Garrett conducted a comprehensive sustainability assessment of the Berkeley campus and launched an awards program recognizing faculty and staff who demonstrated a commitment to improving environmental performance. UC Berkeley continues to be a leader on environmental issues and promotes action and awareness through educational and research activities. The Office of Sustainability recently released two new documents: the 2009 Campus Sustainability Plan which defines the university’s campus sustainability goals and the 2009 Campus Sustainability Plan which outlines its environmental impacts.

**Biography:** Garrett earned his undergraduate degree in environmental energy engineering at Penn State University and spent three years at an environmental consulting firm promoting energy efficiency. He then earned his master’s degree in energy and resources from UC Berkeley. Garrett is currently the sustainability coordinator for the city of Oakland, Calif. where he manages the Sustainable Oakland program, facilitates Oakland’s sustainable development through projects such as developing the city’s Energy and Climate Action Plan and producing sustainability reports.


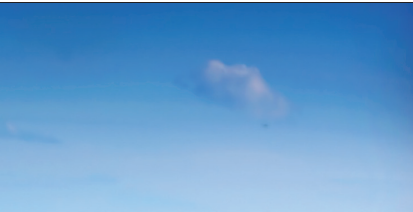

**Lisa (Rasbach) Zak**  
**Hobart and William Smith College, New York**

**Project:** Lisa investigated the feasibility and sustainability of producing and using biodiesel fuel in campus vehicles and raised awareness of environmental issues on campus. HWS continues a strong commitment to campus sustainability through the President’s Climate Task force which oversees the planning and implementation of the American College and University Presidents’ Climate Commitment (ACUPCC) and the HWS Goes Green Program designed by the college’s sustainability coordinator to act as the umbrella program for all of the campus’s sustainability initiatives.

**Biography:** Lisa is currently in law school with the hopes of pursuing a career in environmental law.

**Scott Barvainis**  
**SUNY Binghamton, New York**

**Project:** Scott designed and implemented a composting system using food waste from campus dining halls. He also helped develop a sustainable agriculture program in the form of an organic garden. Scott’s garden project is still going strong on campus and is maintained by students each year.



**Biography:** Scott has a degree in environmental studies and biology and is currently the chair of a community gardening and urban agriculture nonprofit called VINES. VINES has six gardens, with more on the way, and is using empty lots in Binghamton, New York to start urban agriculture. Additionally, Scott holds an AmeriCorp position with CHOW, a food distribution and recovery organization that distributes to soup kitchens, food pantries and low-income families in need.

**Penny Bauder**  
**Alaska Pacific University**

**Project:** Penny taught a workshop on biodiesel production and the benefits of alternative fuel. Her efforts encouraged the use of biodiesel in campus vehicles and generators and launched a biodiesel cooperative. The university's Sustainability Team still operates a campus biodiesel alternative fuel initiative.

**Biography:** Penny holds a B.S. from Western Michigan University and an M.S. in environmental science from Alaska Pacific University. Currently, Penny works as an interpretive planner for Alaska's Department of Natural Resources and is also a founding member of the Friends of Alaska National Wildlife Refuges.

**Tim Carter**  
**University of Georgia**

**Project:** Tim informed campus and local community members about the function and feasibility of retrofitting campus buildings with vegetated roofs by creating signage and conducting outreach activities. In 2008, the University of Georgia welcomed its first large-scale, integrated "green roof." The roof covers a 172,000 square foot campus building and helps save energy, conserve water, protect the building and educate the campus and community.

**Biography:** Tim earned his Ph.D. in ecology from the University of Georgia in 2006. He is currently an urban ecologist at UGA where he works on projects such as pact development analysis, sea level rise visualization, green developer certification and conservation subdivision policies.

**Meaghan Daly**  
**Colorado College**

**Project:** Meaghan implemented a composting program, conducted educational outreach and worked with Sodexo, the campus's food provider, to initiate composting programs on other campuses. Her Fellowship project is still going strong. In addition to the original composting machine in the main dining hall, CC now has composting in all campus dining facilities and has purchased a second machine to accommodate additional food waste.

**Biography:** Meaghan graduated in 2005 with a degree in environmental science. After graduation she worked on a soil research study with the Catamount Institute and the U.S. Forest Service in Colorado Springs. Meaghan just earned her M.A. in climate and society from Columbia University and is currently working as a technical advisor to the Red Cross Climate Centre where she will be working to help humanitarian organizations in East and South Africa to better manage the impacts of climate change.

**Josef Robinson**  
**Tennessee State University**

**Project:** Josef established a solid waste recycling program and conducted outreach on campus and among inner-city residents addressing barriers to participation in the city's curbside recycling program.

**Biography:** Josef studied business administration and was a member of the Student Government Association, Student Union Board of Governors, NAACP, 100 Black Men and the University Honors Program. He also served as president of the Alpha Phi Alpha Fraternity Incorporated, Beta Omicron chapter.



**Allison Rogers**  
**Harvard University, Massachusetts**

**Project:** Allison created a student-operated nonprofit promoting waste reduction and reuse. Her effort, the Harvard Re-Store, sells and donates reused and refurbished materials to students, staff and the local community.

**Biography:** In January 2007, Allison won the Miss Rhode Island Pageant where she became the first contestant to bring a climate change platform to the Miss America Competition. Allison earned her bachelor's degree in comparative study of religion from Harvard University and her master's of education with a focus on sustainability education and organizational leadership from the Harvard Graduate School of Education. One of the first 50 people to be trained by Former Vice President Al Gore to present on global warming, Rogers spent a year helping schools, businesses and community organizations "go green." Allison is now the program manager at the Green the Capitol Office, supporting the goals of carbon emissions reduction, energy savings and making the House of Representatives a model of sustainability.

**Richard Strain**  
**SUNY Albany, New York**

**Project:** Richard removed invasive species, reintroduced native plant species of the Albany Pine Bush and conducted educational outreach about the importance of native species among campus and community members.

**Biography:** Richard graduated from SUNY Albany with a bachelor's degree in political science and geography and planning. He then went on to earn a graduate degree in public administration and currently works for the New York State Office of Homeland Security as a senior administrative analyst.

**Class of 2005**

**Ryan Campbell**  
**Southern Illinois University Carbondale**

**Project:** Ryan established and maintained a pilot fleet of free bicycles on campus and educated students, staff, faculty and community members about the economic, social and environmental benefits of cycling. Ryan's Fellowship project is still being maintained and continues to service the campus community.

**Biography:** Ryan earned both his undergraduate and graduate degrees in plant ecology from SIU. He is now a consulting restoration ecologist with Fermi National Accelerator Laboratory which has over 1,100 acres of restored tallgrass prairie, remnant woodlands, savannas and wetlands. Ryan is currently writing grants and trying to set up long-term volunteer programs with Fermilab. He credits his Fellowship for teaching him grant-writing skills and how to effectively project manage.

**Ryan on his Fellowship:**

*The NWF Campus Ecology Fellowship helped me go through the process of implementing a project from start to finish. Five years later, the yellow bike program is still going strong and the university has taken it over, ensuring that it continues into the future. The Fellowship provided me with the budget responsibility to complete the project and the motivation to see it through, both skills I am still using today as a restoration ecologist writing grants and recruiting volunteers.*



**David (Shane) Tedder**  
**University of Kentucky**

**Project:** Shane expanded and maintained a fleet of free bicycles on campus for students, faculty and staff, established a second checkout location and developed a comprehensive social marketing plan. Wild.Cat Wheels is still going strong at the university providing students with eco-friendly transportation.

**Biography:** Shane earned his undergraduate degree in anthropology in 2004 and went on to earn a master's degree in conservation biology. He is now the campus sustainability coordinator at the University of Kentucky – the university's first.

**Shane on his Fellowship:**

*The Fellowship was really a catalyst for the creation of the Wild.Cat Wheels Bicycle Library ([www.wild.Catwheels.org](http://www.wild.Catwheels.org)). This program has grown tremendously since 2005 and has become a major hub of sustainable transportation programs on our campus.*

**Matthew Gilbert**  
**University of Alaska**

**Project:** Matthew researched the effects of global warming as observed by Gwich'in Athabascan elders and hunters in the Alaska Interior and assessed the tribes' capacity and interest in addressing the issue. He developed a presentation on his findings which he was asked to present at the National Wildlife Federation Tribal Lands Conference and various other national and international conferences.

**Biography:** Matthew is an Alaska Native and an active member in the Alaska Native political community. Matthew won the 2007 Conservationist of the Year Award from Northern Alaska Environmental Center for his Fellowship work and was featured on NPR. He is currently pursuing a graduate degree in rural development. For his final project he has been interpreting cassette tapes of the elders of his village from long ago. ([www.npr.org/templates/story/story.php?storyId=89755688](http://www.npr.org/templates/story/story.php?storyId=89755688))

**Matthew on his Fellowship:**

*I am thankful and honored NWF gave me the honor and privilege to work as a Fellow. I believe I built as much with what they gave me and I created the most rewarding work I ever did. Giving my people a voice on global warming that was heard nationwide. This work will pay off for the rest of my life.*

**Rebecca McAtee**  
**Valley Forge Christian College, Pennsylvania**

**Project:** Rebecca advanced energy conservation on campus through educational outreach, engaging service learning students, updating light fixtures in the gymnasium and calculating energy, cost and greenhouse gas savings.

**Biography:** As a student at Valley Forge Christian College, Rebecca served as president of the campus-wide Creation Club, a group aimed at fostering student awareness of the integration of faith and environmental issues. She majored in education.


**Amy Seek**  
**University of Pennsylvania**

**Project:** Amy worked to achieve the adoption of a sustainable campus landscape policy by the University of Pennsylvania and the design of three campus sites as demonstrations of this landscape approach. Penn has championed the sustainable landscape for many years. In the past 20 years the university has removed close to five acres of pavement on campus, planted about 5,000 trees, and salvaged and reused almost 40,000 square feet of pavers.

**Biography:** Amy completed her master's degree in architecture as well as a degree in landscape architecture from Penn. She is a landscape architect at Hargreaves Associates in San Francisco.

**Samantha Symon**  
**Eckerd College, Florida**

**Project:** Samantha expanded and improved native gardens on campus, engaged campus and community members, increased



knowledge about the benefits of native plant landscaping and facilitated their integration into the campus master plan. The College Garden Club maintains the native plants garden and promotes the use of native plants in landscapes to minimize water demand and attract wildlife.

**Biography:** Samantha graduated in 2007 with a degree in environmental studies.

**Emma Mullaney**  
**Sarah Lawrence College, New York**

**Project:** Emma organized town hall forums to discuss the local effects of energy practices and global warming, engaged campus and community members from the Hudson River corridor and emphasized social and environmental justice. Sarah Lawrence continues its dedication to sustainability through the College's Sustainability Committee.

**Biography:** Emma graduated in 2007 and is currently a graduate student at Pennsylvania State University in geography. She just published her first academic publication in the *Journal of Latin American Geography*...

**Mark Owens**  
**University of Florida**

**Project:** Mark implemented a pilot energy savings program in campus fraternity and sorority houses aiming for a 5-10 percent reduction in energy usage by installing more energy efficient bulbs and reinvesting savings into local environmental and social programs. In 2006, UF's president was the first to sign the American College and University Presidents' Climate Commitment. Since then, UF completed a carbon inventory for 2004-05 as a baseline and is working on an inventory tool that will regularly update. UF has also published a carbon action plan and set a goal of carbon neutrality by 2025. In 2009, the University Athletic Association committed to being a carbon neutral athletic program. Through a partnership with Neutral Gator, UF supports carbon offset projects in the local community.

**Biography:** Mark is currently pursuing a Ph.D. in political science at the University of Georgia. Now back on campus, he credits his Fellowship experience for helping him share ideas with students who have common goals at UGA.


**Mark on his Fellowship:**

*The Fellowship gave me practice in how to raise an important issue outside of my profession of interest with the legitimacy and support of a group like NWF. The Campus Ecology Program creates a network to make a difference outside of my primary focuses of politics and becoming a professor.*

**Tessa Haagenson**  
**Bemidji State University, Minnesota**

**Project:** Tessa organized town hall forums with campus and community members to discuss the effects of global warming and proposed a student fee to support the purchase of renewable energy on campus.

**Biography:** After graduating with a B.S. in environmental studies, Tessa went abroad for a semester as a guest graduate student



in a sustainable energy and management program. She then worked for an environmental consulting and engineering firm. Currently Tessa is broadening her renewable energy path. She is back in school, pursuing a master's degree at the University of North Dakota in electrical engineering with a focus on renewable energy systems.

**Tessa on her Fellowship:**

*The Fellowship was a wonderful experience for me personally, but more importantly, the project spurred additional student campaigns which have resulted in a campus sustainability coordinator, numerous energy efficiency improvements on campus and a growing group of students who participate in environmental efforts on campus.*

**Max Kitaj**  
**University of California, Santa Barbara**

**Project:** Max restored native grassland habitat with the support of campus and community members, established educational signage on local species and surveyed local biota to support a campus biodiversity database. UCSB continues to support biodiversity and conservation efforts. In 2005, UCSB created the Vernon and Mary Cheadle Center for Biodiversity and Ecological Restoration (CCBER) to support education, research, collections management, ecosystem management, restoration and conservation, K-12 Community Education Program as well as public service opportunities and professional advising.

**Biography:** Max graduated in 2007 with a degree in marine biology focusing on cephalopods and local octopus species.

**Carolyn Lambert**  
**Carnegie Mellon University, Pennsylvania**

**Project:** Carolyn built a renewable energy powered boat which she sailed down the Ohio River to educate area communities on renewable energy and global warming. She also produced an educational exhibition that drew 1,200 people. Carolyn's audio documentary of her journey grabbed local media attention, including a front page story in the *Cincinnati Post*. She produced a four-minute documentary of the piece that screened at Exit Art in 2007 as part of their Environmental Performance Actions exhibition.

**Biography:** Carolyn graduated from Carnegie Mellon in 2005 with an M.F.A. She is an artist, teacher and freelance video and web editor. She is currently working on a project that addresses the ramifications of a melting Arctic Circle and the area of the Canadian Archipelago known as the Northwest Passage.

**Carolyn on her Fellowship:**

*This type of funding is so helpful for grads and undergrads with great ideas who are trying to shape their universities and their worlds, but need some assistance on the way. It's empowering to get stuff done, to be entrusted with grant money of any size, and to affiliate with others who have similar aims and interest*

**Colin Quinn-Hurst**  
**Alaska Pacific University**

**Project:** Colin assessed current and projected parking costs per vehicle trip to campus, identified campus-specific methods of shifting transportation demand to alternative modes and presented the financial savings, social benefits and recommendations for the campus Master Plan.

**Biography:** Colin earned his B.S. in environmental policy and planning in 2005 and was accepted into the industrial ecology international master's program at the Norwegian Institute of Science and Technology. After his project, Colin lived in Germany for over a year and then Oregon for two years working for a nonprofit promoting walking, biking and transit. Currently he is attending graduate school for urban and regional planning at the University of Utah, where he plans to incorporate the experience gained through his Fellowship project doing transportation planning.

**Colin on his Fellowship:**

*The Campus Ecology Fellowship provided a definite boost for advocating a shift toward sustainable transportation and an environmental ethic on the Alaska Pacific University campus. Additionally, the Fellowship provided an enduring sense of connection with the national environmental movement and the goals of NWF. Learning about NWF, connecting with other members and lobbying on behalf of NWF provided a sense that I had something to contribute to the broader effort. This awareness continues to motivate me. In sum, the Fellowship was a defining experience.*



**Laura Wigand**  
**Guilford College, North Carolina**

**Project:** Laura established a bioretention cell to address stormwater management and educated the campus and community on the importance of decreasing the college's environmental footprint. Her Fellowship project is still functioning on campus and since her graduation five years ago other students have used it for their own research activities.

**Biography:** Laura graduated in 2005 with a triple major in environmental studies, peace and conflict studies and religious studies. She also won her college's environmental award, the Zvi Cohen Award. Laura is a program officer at a nonprofit in Washington, D.C. on two USAID-funded health communications projects that focus on avian and pandemic influenza. She supports the field offices in managing country activities and has coordinated the startup of a regional office in Thailand. She credits her Fellowship experience for strengthening skills she uses daily – from managing budgets to overseeing program activities. Laura plans to apply to graduate programs in the environmental field.

**Laura on her Fellowship:**

*Through the NWF Fellowship, I mitigated the impact of stormwater runoff on the ecosystem surrounding Guilford College's campus through the construction of a bioretention cell. This cell is still functioning on campus and used as a learning tool. The funding provided by NWF made this activity possible.*

**Kawika Winter**  
**University of Hawai'i at Manoa**

**Project:** Kawika applied his Fellowship toward removing invasive species, restoring the ecological and cultural integrity of a native landscape and engaging university students and local community members in supporting native Hawaiian knowledge and culture. Kawika's project has been successfully handed off to the community in an effort to empower the community's traditions of sustainable food production.

**Biography:** As a result of his Fellowship, Kawika was appointed director of Limahuli Garden and Preserve, a traditional taro-farming project on the island of Kauai. Limahuli is a thousand-acre valley with more than 40 species of plants and birds on the brink of extinction and filled with archaeological sites dating back about 1,000 years. Their goal is the cultural and ecological restoration of the entire valley based on traditional Hawaiian resource management practices, combined with the best of modern science. He has a B.A. in botany and a master's in botany with an emphasis in ethnobotany.

**Kawika on his Fellowship:**

*My Fellowship with NWF provided me with experience and training that have proven to be invaluable as I transitioned from graduate school into my professional career.*



## Class of 2006

### Christopher Noonan Worcester State College, Massachusetts

**Project:** Christopher founded the campus Environmental Advocacy Group and developed an environmental master plan for his campus, strengthening recycling efforts and implementing strategies for converting to renewable energy. Worcester has begun installing 540 solar panels on the roof of a campus building. The installation will be the largest on any college campus in the state – and the largest in Worcester. The photovoltaic array will generate over 140,000 kWh of electricity annually, or enough energy to supply electricity to 20 homes of about 2,800 square feet each.

**Biography:** Christopher is finishing his final year of graduate school at Clark University where he is studying environmental science and policy. Concurrently, he works part time with the Institute for Energy Innovation and Sustainability, a resource to incubate clean energy technology start-up companies. He credits his Fellowship experience with being a big factor in his acceptance to grad school.

### Andrew Lee Claremont McKenna College, California

**Project:** Andrew promoted water conservation on campus by installing moisture sensors to decrease irrigation, creating a system to report malfunctioning sprinklers and including water policy in the curricula. In 2007, a five-college utilities study provided a 20-year overview of each college's development and consumption pattern. It highlighted each college's dynamic growth, helped establish a database and highlighted a problem in the ability to accurately measure consumption. A campus utilities audit will further establish a database, identify projects to create reductions in energy and water consumption and provide guidance towards a framework for greater efficiencies in campus mechanical and other systems.

**Biography:** Andrew is the CEO of a startup that produces music games that he founded along with JamLegend.com. He is still closely connected with NWF and serves on Campus Ecology's Advisory Council.

#### Andrew on his Fellowship:

*The Fellowship allowed me to work on a conservation project on my campus firsthand. It not only taught me about mobilizing and enacting change on the local level, but it also let me join the greater NWF family!*

### Alexandra Harker University of Colorado at Boulder

**Project:** Alexandra implemented a transit center at the Colorado School of Mines, a partner of CU Boulder, to provide a sustainable transportation option on campus, reduce carbon dioxide emissions and create a community meeting place. The Colorado School of Mines has a sustainability committee and a student council on sustainability and hosts climate action days on campus. CU Boulder continues to encourage environmentally friendly transportation options for students, maintaining an informational transportation webpage that offers students all sorts of tips for creating a sustainable transportation plan from walking or biking to busing and carpooling.

**Biography:** Alexandra earned her bachelor's degree in environmental design from UC Boulder in 2007. In May 2010 she will graduate from University of California, Berkeley with a master's degree in landscape architecture. Alexandra plans to stay at Berkeley an additional year to complete a master's in city planning. She credits her Campus Ecology Fellowship experience with guiding her choice of graduate study and teaching her key skills.

#### Alexandra on her Fellowship:

*My transit proposal fellowship project has been adopted and continues to be pushed forward by the city of Golden and the Colorado School of Mines. It has been great seeing it take on a life of its own.*



**Jessica Clement**  
**Ball State University, Indiana**

**Project:** Jessica partnered with the Barnes and Noble-managed campus bookstore to carry, promote and sell environmentally and socially preferable products.

**Biography:** Jessica finished her master's degree in landscape architecture in 2008 and is currently working as a designer and GIS specialist for Jones and Jones, an environmental planning firm in Seattle, Washington. Project types vary by scope and scale but mostly entail: learning places, regions and communities, natural infrastructure, living cultures and wildlife conservation.

**Jessica on her Fellowship:**

*It significantly broadened my awareness of environmentally preferable consumer products. Additionally, it helped me grow as a leader and team member, in collaborating with the bookstore, working with my project mentor and organizing student awareness efforts.*

**Melissa Fries**  
**Ohio State University**

**Project:** Melissa worked to protect vernal pools through education, habitat assessment and site identification around the Ohio State campus. Ohio State continues its dedication to sustainability on campus through the university's Center for Energy, Sustainability and the Environment which serves as a research forum for students to explore clean energy, energy efficiency, and policy.

**Biography:** Melissa is currently working toward her master's degree in fisheries management at Louisiana State University.

**Melissa on her Fellowship:**

*The NWF Fellowship experience opened many doors for me, allowing me to develop professional relationships with organizations throughout my state and understand what it takes to organize and lead a small but successful grass roots project. I have since been able to use those relationships and skills I gained from the fellowship experience to help me in my career.*

**David Giuliani**  
**University of Vermont**

**Project:** David aimed to demonstrate direct links between the forestland that institutions own and the forest-based products they consume. His plans included creating a timber portfolio and establishing forest inventory plots. David's Fellowship project is still pending since it is tied in to his master's course work. The project is still progressing and he hopes to defend his thesis this spring.

**Biography:** David graduated from Wheaton College in 2003 with a B.A. in biology and is currently pursuing a master's degree in community-based forestry from the University of Vermont. David is also currently a supervisor for a weatherization crew in Barre, Vermont

**Bree (Jambor) Hack**  
**Sheldon Jackson College, Alaska**

**Project:** Bree conducted an energy audit and retrofit of a campus building and educated the campus community about global warming issues and solutions. (Sheldon Jackson College has since closed.)



**Biography:** Bree majored in outdoor leadership and hopes to work with Alaskan communities to combat global warming effects in their region.

**Scot Miller**  
**Harvard University, Massachusetts**

**Project:** Scot wrote “The Green Guide to Harvard,” an educational resource on how to create a sustainable campus. The guide includes sustainable and energy efficient practices for dormitories, information on environmentally sustainable businesses in the area and listings of environmental and outdoor-related area events. Harvard continues its campus greening initiatives through four overarching commitments: a greenhouse gas-reduction goal of 30 percent from FY2006 levels by 2016 (including growth), a university-wide temperature policy implemented in 2009, sustainability principles and green building guidelines.

**Biography:** After completing his undergraduate degree, Scot earned a master’s degree at Trinity College Dublin where he started a new recycling and environmental volunteer program similar to those his peer NWF Fellows had worked on at their own universities. Scot recently began working on his Ph.D. in earth and planetary sciences at Harvard and hopes to continue being a campus activist. Currently he is using regional-scale atmospheric models to improve our understanding of greenhouse gas sources.

**Scot on his Fellowship:**

*I had an incredible experience as an NWF Campus Ecology Fellow. NWF provided the support to help me make my campus environmental project a reality. Beyond the support from NWF, the Fellows were an amazing resource; their ideas have inspired my own campus activism beyond the Fellowship.*

**Hannah Riches**  
**The New School, New York**

**Project:** Hannah worked to reduce greenhouse gas emissions and deforestation caused by her campus’s paper consumption and also helped to provide resource conservation education. In 2006 The New School created the Parsons’ Sustainable Design Review (SDR), a student and faculty group dedicated to fostering awareness and sparking dialogue about social, environmental and other forms of sustainability. From 2006-2008, SDR held an annual competition offering students an opportunity to submit concepts that address sustainability in response to a design challenge.

**Biography:** Hannah was a double major in religious studies and science and technology and intends to work in environmental justice.

**Edythe Sonntag**  
**Michigan State University**

**Project:** Edythe developed a comprehensive survey of the herpetofauna on her campus for application to the long-term conservation of local species and habitat. The Herp Survey has continued every year on campus and is planned to continue as long as the Herp Club exists. They have found species thought to be gone from the natural areas and have helped keep track of the campus resources. They have an average 50-75 people at the survey each year and continue to grow even in inclement weather.

**Biography:** Edythe is currently finishing her Ph.D. in fisheries and wildlife at MSU as well as teaching at Henry Ford Community College, University of Michigan Dearborn and Oakland Community College. She also works at a veterinary clinic as a vet technician.

**Edythe on her Fellowship:**

*The NWF Campus Ecology Fellowship allowed me and the MSU Herp Club to start an important monitoring program on campus. The support from NWF initiated a great annual event that has resulted in a better understanding of the campus natural areas, the education of a wide variety of people from all walks of life and of all ages, and helped focus the need for conservation locally and worldwide.*



**Anita Yip**  
**Wellesley College, Massachusetts**

**Project:** Anita created a campus and community bike program and educated the community on alternative transportation and clean energy by hosting town hall meetings, producing a video and developing a guide based on the project. Her bike program was featured in *The Boston Globe*.

**Biography:** Anita now serves at Big Sister Association of Greater Boston as part of the Massachusetts Promise Fellowship (AmeriCorps). As a rising star in fundraising and philanthropy, she raised record-breaking amounts for Asian Sisters Participating in Reaching Excellence (ASPIRE) and the City of Boston Office of New Bostonians We Are Boston Gala in 2009 (\$15,000 and \$5,000, respectively). She has worked for BNY ConvergeX Group, Boston Women's Fund and as a freelance photographer for Zagat Survey.

## **Class of 2007**

**Ricky Chavez**  
**Sterling College, Vermont**

**Project:** Ricky worked on carbon sequestration by collecting data on a campus woodlot acting as a carbon sink. Carbon sinks store carbon in trees and other forest flora.

**Biography:** Prior to enrolling at Sterling College, Ricky earned an associate's degree in business administration from Pima Community College in Tucson, volunteered for a year with AmeriCorps, and toured nine European countries in two months.

**Elizabeth (Lizzie) Cooke**  
**Furman University, South Carolina**

**Project:** Lizzie promoted Furman's "Year of the Environment" through her work on the Furman Lake Restoration Project – an effort to increase and naturalize the vegetation around the campus's 28-acre lake. She constructed a rain garden to filter runoff and create wildlife habitat, worked to raise awareness about protecting and restoring biodiversity and installed educational signs.

**Biography:** Lizzie graduated with a B.A. in earth and environmental sciences and English in 2008 and then spent the next year as a Compton Mentor Fellow working to combat deforestation in Haiti through the introduction of alternative fuels ([www.imaginehaitian.org](http://www.imaginehaitian.org)). She started a dual master's program in public affairs and environmental science at Indiana University in the fall of 2009. And she is putting the knowledge of rain gardens she gained during her Campus Ecology Fellowship to use in a stormwater management internship with the Monroe County Highway Department in Bloomington, Indiana.

### **Elizabeth on her Fellowship:**

*When I first received the NWF Campus Ecology Fellowship to build a rain garden on my university's campus, I knew very little about the structure and purpose of rain gardens. Through the process of building the garden, I gained a much better understanding of how this seemingly simple tool can play an important role in improving water quality. The students who helped build the garden learned alongside me. I could tell immediately that the garden piqued the interest of the broader student body ... many students stopped by to ask what we were doing as we built and tended the garden. They were clearly not used to seeing their fellow students get their hands dirty with work usually done by university landscaping staff.*



**Alison Erlenbach**  
**University of Florida**

**Project:** Alison helped UF toward its goal of becoming carbon neutral by 2030 by assessing the school's carbon footprint and providing education outreach to the student body. UF has since completed their campus climate action plan and have goals in place to work towards climate neutrality.

**Biography:** Alison graduated in 2009 with a degree in economics. Post-Fellowship, she founded Campus Climate Solutions whose mission is to train the next generation of greenhouse gas professionals by providing practical greenhouse gas management training; provide comprehensive greenhouse gas management services to UF and the local community; and give students professional experience opportunities in this dynamic field. Currently, she has an online course in carbon accounting and carbon accounting enterprise software in development.

**Francesca Hernandez**  
**Ball State University, Indiana**

**Project:** Francesca conducted a campus-wide energy audit and developed a strategic plan for energy conservation on campus.

**Biography:** Francesca's respect for the environment became fused with her values of social responsibility during her tenure as a welder at Pliny Fisk's Center for Maximum Potential Building Systems in Austin. Here, Francesca became focused on sustainable design – an interest that led her to pursue a degree in landscape architecture. Her academic achievements include a Marshall Thomas Memorial Scholarship in Diversity and the Association of Conservation Engineers Scholarship. She graduated from Ball State in 2008.

**Jessica Katz**  
**Arizona State University**

**Project:** Jessica designed the *Serving Sustainability for Sun Devils* award for food services that demonstrate outstanding commitment to sustainability goals. The award established a set of measurable criteria and judges food services on inventory control, local and organic purchasing, waste reduction, recycling, energy efficiency, water conservation and effective leadership. As part of the award process, food services undergo an educational "audit" to inform management of resources available to them.

**Biography:** Jessie spent her childhood enjoying the Rocky Mountains and is now passionate about protecting natural areas. She served as a research analyst for ASU's Office of Sustainability Initiatives and also helped found the student-driven Sustainability Coalition. She graduated summa cum laude from ASU in May 2009 with a degree in civil and environmental engineering and reports that her honors thesis was an extension of her Campus Ecology Fellowship project.


**Jereme Thaxton**  
**Virginia Polytechnic Institute**

**Project:** Jereme implemented building retrofits and energy efficient initiatives on campus. Virginia Tech has an office of sustainability and a committee focused on energy efficiency and conservation. Tech also includes an overview of their campus's sustainability efforts during new student orientation.

**Biography:** Jereme earned a dual master's degree in landscape architecture and urban planning from Virginia Tech in 2008. He is currently living abroad in Abu Dhabi, working as a senior landscape architect with KEO International Consultants. His environmental project portfolio includes green roof projects and sustainable master plans. In addition to landscape architecture, Jereme has also worked as a professional photographer and journalist with work appearing in magazines such as *Field & Stream*, *Ducks Unlimited* and *Tennessee Wildlife*.

**Samantha Weaver**  
**Kalamazoo College, Michigan**

**Project:** Samantha developed the "The Green K-Plan," an adaptation of Kalamazoo College's academic "K-Plan." Through her four-step plan, she secured a commitment from the administration to reduce campus carbon emissions and raise awareness of the impor-



tance of individual actions in combating global warming. The Green K-Plan facilitated the purchase of clean energy, initiated climate action projects, engaged the community and fostered student dialogue.

**Biography:** Samantha graduated in 2008 with a degree in political science with a concentration in environmental studies. She now works as a data analyst for a wind energy consulting firm and reports the Fellowship helped her land the job. As an undergraduate, she studied abroad at the International Sustainable Development Studies Institute in Thailand where she learned firsthand about environmental issues within a global context and the impact of individual actions on the environment.

**Jessica Williams**  
**Prescott College, Arizona**

**Project:** Jessica worked with the University of Arizona, a partner of Prescott College, to promote the installation of solar panels, support farmers' markets and install a rainwater harvesting system.

**Biography:** Jessica earned her degree in environmental studies with an emphasis in outdoor education from Prescott College in 2008. She plans to attend law school starting in 2011 (studying environmental law) after traveling to Australia, New Zealand and Europe to work on environmental projects in each.

## **Class of 2008**


**Lisa Anderson**  
**Albion College, Michigan**

**Project:** Lisa educated students, faculty and staff about potential environmental and sustainable practices at Albion College and developed a plan for reducing energy use. Her project scope included creating an Albion College sustainability website, forming a campus Green Council, establishing a greenhouse gas inventory, working on constructing a campus wind turbine, and increasing community involvement.

**Biography:** Lisa earned her degree in biochemistry in 2009 and plans to attend graduate school in environmental and occupational health. Among her academic achievements, Lisa participated in a research internship funded by the National Science Foundation to investigate green chemistry for anti-cancer drug discovery; won the Omicron Delta Kappa Service Leadership Award; and led Step It Up, a two-day event in the fall and spring of 2006-2007 calling for climate change action.

**Leanne Farrell**  
**Roger Williams University, Rhode Island**

**Project:** Leanne created a native wildflower and wildlife garden for use as a hands-on location for educating about ecology and sustainability. Additionally, her garden helps reduce the campus's carbon footprint through measures such as sustainable organic garden management, perennial woody vegetation that removes carbon from the atmosphere, and solar panels for powering the lights and waterfall.



**Biography:** Leanne founded and leads Students for Renewable Energy and Environmental Preservation – a student organization credited with compelling the university’s president to sign the American College and University Presidents’ Climate Commitment. She also serves as a student representative on the Sustainability Committee, a group of faculty, staff and students responsible for overseeing the university’s recycling program as well as other projects. A double major in environmental science and political science, Leanne hopes to pursue a career in either environmental policy or environmental law.

**Charles Scott Forbes Jr.**  
**Rhodes College, Tennessee**

**Project:** In collaboration with science classes, the Physics Club and the physical plant, Charlie developed a solar energy demonstration. He installed photovoltaic cells on the roof of the physics building to power an interactive display in the lobby comparing energy use from an 11-watt CFL bulb and an equivalent 40-watt tungsten bulb. Additionally, he promoted the project’s message with outreach efforts including teaching a class on assembling a solar-powered iPod charger and several community and campus presentations.

**Biography:** Charlie cultivated his love for the environment during time spent outdoors as a child and, later, numerous service trips including a trip to an organic farm on the southern Caribbean coast devoted to educating and promoting permaculture. This sustainable community inspired him to live a symbiotic life with nature. Charlie will graduate with a degree in biology from Rhodes College in 2011.

**Cynthia Klein-Banai**  
**University of Illinois at Chicago**

**Project:** Cynthia established a data collection mechanism for performing an annual greenhouse gas inventory at UIC while completing the inventory for fiscal year 2007 and 2008. To the extent possible, she also collected data back to the early 2000s. Additionally, she conducted a survey of campus commuting practices and proposed a climate action plan. Aside from the immediate results of this project, long-term outcomes include greenhouse gas emissions reductions, reduced energy costs through energy conservation, and increased awareness of sustainable practices and their benefits by the campus and community.

**Biography:** Cindy got involved in the environmental movement in the 1970s, cleaning up streams and fundraising. She got her first job in the environmental field in Israel where she worked for the Ministry of Health. Cindy founded the Office of Sustainability at UIC and has been serving as the associate chancellor for sustainability since January 2008. She holds a B.A. in biology from Washington University in St. Louis and an M.S. in environmental science from Hebrew University in Jerusalem. Cindy is currently a Ph.D. candidate in environmental and occupational health sciences at UIC and recently had a paper accepted for publication in *Environmental Practice*. She is conducting research on developing a point system for the Sustainability Tracking, Assessment and Rating System being developed by the Association for the Advancement of Sustainability in Higher Education (AASHE).

**Cynthia on her Fellowship:**

*The Fellowship gave me a personal connection to a wide national network of people working at and with the National Wildlife Federation to accomplish similar goals of reducing greenhouse gas emissions and mitigating climate change. That personal relationship began with the training workshop at the start of the Fellowship and continues today in my research and career.*

**Sarah Mann**  
**Ohio University**

**Project:** Sarah worked on implementing more effective commuter options on the rural campus of Ohio University. These options included a weekend commuting service for OU students to one of the campus’s several hubs as well as the development of a ride-share program. Additionally, Sarah used her project to facilitate dialogue surrounding greener transportation – a challenge for many rural-based communities.

**Biography:** Sarah holds an undergraduate degree in history with a minor in environmental studies and is currently working towards her master’s in environmental studies. Prior to graduate school, Sarah worked as an environmental educator in New England and volunteered with the Peace Corps on a natural resource and conservation program in Micronesia.



**Rachel Sholly**  
**University of Rhode Island**

**Project:** Rachel worked on increasing the availability and use of alternative transportation on campus by developing a clean transportation policy, implementing an outreach campaign, and conducting a study to measure the level of campus awareness about alternative transportation. Among her efforts, she organized a workshop about the university's climate action plan, organized Earth Day events focused on transportation initiatives, and developed a transportation policy including park and ride and bus service.

**Biography:** After receiving her B.S. in wildlife and conservation biology in 2006, Rachel returned to URI in 2007 to pursue a graduate degree in environmental science and management. Along with her studies, Rachel works for the URI Partnership for Energy coordinating their Energy Fellows program and as a program assistant for the Woonasquatucket River Watershed Council in Providence. She's also a founding member of URI Student Action for Sustainability which advocates for campus sustainability.

**Edward Speck-Kern**  
**Marquette University, Wisconsin**

**Project:** Edward worked with a team of engineering students to convert a 15-passenger van from gas to electric. His ultimate goal is to convert all 12 of the school's transport service vehicles to electric. The gas-powered vehicles average six miles per gallon and run approximately 100 miles each night transporting students. The team garnered technical support from the Department of Public Safety, Rockwell Automation (local leader in electric motors and controllers) and Milwaukee Area Technical College.

**Biography:** For Edward, engineering is a means towards creating a sustainable existence – and he intends to make sustainability the focus of his career. While a student, Edward participated in the Marquette chapter of *Engineers Without Borders* in the interest of contributing to a sustainable society. In 2007 he attended the Formula SAE competition where he helped design, construct and test an automobile. His work there helped provide insight into how modifications of existing cars could be a step towards sustainability. Edward earned his undergraduate degree in 2009.

**Erica Tauzer**  
**Albion College, Michigan**

**Project:** Working in partnership with Albion classmate and Campus Ecology Fellow Lisa Anderson, Erica established a campus-wide Sustainability Council, created a comprehensive map of the energy use on campus, developed a website that categorizes all the environmental happenings on campus, and established a community bike rental program. Lisa and Erica mark the first time that NWF has awarded two fellowships to the same school.

**Biography:** Erica will graduate from Albion College in 2010 with a double major in biology and trans-American/Latino studies. Among her activities, Erica works with the Michigan Student Sustainability Coalition and has been instrumental in organizing events including Focus the Nation and Step it Up 2007. Her goal is to work in environmental policy, grassroots organizing or consulting in climate change issues.

**Erica on her Fellowship:**

*This experience gave me the support I needed in order to accomplish my vision of a more sustainable campus and in doing so, strengthened my belief in a sustainable future.*



## Class of 2009

### Antonio Bautista University of California, Santa Cruz

**Project:** Education for Sustainable Living (ESLP) is a student-directed course involving over 250 students annually in sustainability projects at UCSC. Antonio co-lead the “Green Building and Ecocities” course, a class that relates back to the UCSC campus in creating an eco-campus. By the end of the class students will have developed projects to reduce UCSC’s carbon footprint. The class’s purpose is to help UCSC become an eco-campus by developing student-led projects and encouraging participation in the student sustainability movement.

**Biography:** An environmental studies and economics major at UC Santa Cruz, Antonio is the green building coordinator for the Student Environmental Center where he organized a successful campaign to place a student fee on the ballot to construct the student health center as a Leadership in Energy and Environmental Design (LEED) Silver Building. He organized the first zero-waste UCSC summer orientation for incoming students; is the Chancellor’s Undergraduate Climate Action Intern working to create a campus climate action plan; and is an Education for Sustainable Living Program facilitator. His long-term goals include helping cities draft climate action plans and working with the World Bank to help third-world countries with sustainable development.

### Gideon Burdick Warren Wilson College, North Carolina

**Project:** Gideon is working with a student team to design and implement Real Time Energy Monitoring in the campus’s dorms. Applying technology developed by a visiting electrical engineer, the tool will provide the campus with real-time feedback about student energy consumption. By making this information easily accessible via the Internet, his project aims to educate the community on the impacts of energy use. In addition, the tool can be used to compare building trends to EPA standards and other green building standards.

**Biography:** A sustainable economic development major, Gideon credits his passion for the environment to family camping trips and participating in orienteering. During high school Gideon volunteered with Student Conservation Association trail crews. More recently, he worked as a wildland firefighter in North Carolina and Montana. At school, Gideon is one of his campus’s three elected student body representatives, helps organize Focus the Nation events, and serves on the college’s greenhouse gas reductions task force.

### Joanna Calabrese University of Maryland


**Project:** Joanna is promoting energy conservation by measuring the results in select campus buildings and partnering with department leadership to share data about building usage, set reduction goals, provide education about energy use, share conservation strategies, and develop incentives for participation. Over time, this process will be expanded to include a department’s total carbon footprint, reporting carbon emissions from energy use, business travel, commuting and other carbon-intensive practices.

**Biography:** An environmental science and policy major, Joanna is passionate about creating sustainable solutions to U.S. energy dependence and global warming. She is heavily engaged in sustainability as the student government vice president and co-founder of UMD for Clean Energy, a political advocacy group that supports clean energy solutions.

### Heather Downing Cosumnes River College, California

**Project:** Heather is developing the first greenhouse gas inventory in the Los Rios Community College District (LRCCD). Her inventory will provide critical baseline information to help the campus identify and establish reduction targets and, ultimately, formulate a campus climate action plan. In addition, this project includes efforts to increase recycling awareness on campus and provide community outreach.

**Biography:** Heather earned her A.S. degree in geography in 2009 and intends to finish her B.A. at California State University, Sacramento in geography with concentrations in GIS and cartography. Concurrently, she works for the Sacramento County



Department of Agriculture and volunteers with the Point Reyes National Seashore teaching about the northern elephant seal and gray whale. Her long-term goals include an M.A. in geography and a career in teaching. Recently, Heather won the President's Award for Outstanding Student Poster Presentation at the Association of Pacific Coast Geographer's Conference.

**Kate Ekman**  
**Northeastern Illinois University**

**Project:** Kate is conducting a greenhouse gas inventory of her campus using the Clean Air-Cool Planet calculator tool and creating measured benchmarks for the future. Her goals are to help her university understand and quantify its environmental impact while establishing steps to reduce it.

**Biography:** An environmental studies major, Kate is actively engaged in environmental issues on campus. She is the chair of the Green Fee Committee, treasurer of the Green Cycle Group and the College of Cycling bike club, and co-chair of the first annual Green Week. While completing a campus sustainability internship, she worked with facilities, administration, faculty and students in coordinating environmental initiatives. Kate hopes to work professionally with universities seeking sustainable practices.

**Ian Johnson**  
**University of Wisconsin-River Falls**

**Project:** Ian is providing a holistically integrated model for optimal biofuels feedstock production from native prairie polycultures in conjunction with optimum management of rare, threatened and endangered grassland species. His study will contribute significantly to defining best management practices to maximize biodiversity, carbon sequestration, watershed benefits, public benefit and species protection.

**Biography:** Ian is a graduate student in sustainable community development. He holds a B.S. in construction management and worked for several years as a construction project manager where he learned firsthand the practices of unsustainability. Ian is an active board member for Powerful Choices, a sustainable energy project; a member of the St. Croix Citizens for Sustainability; and is newsletter coordinator and editor for *What We Need is Here*, a network of local nonprofits dedicated to living locally. His professional goals include continuing on to a Ph.D. in environmental sciences.

**Christa Jordan**  
**Clemson University, South Carolina**

**Project:** Christa is collaborating with Friends of Lake Keowee, a local nonprofit, to construct green roofs both on campus and in the larger community.

**Biography:** Christa holds an undergraduate degree in forestry and is now a graduate student in landscape architecture. Christa worked for several years with state government in compliance and outreach.



**Hal Knowles**  
**University of Florida**

**Project:** Hal is designing and implementing UF's carbon neutral action plan. Specifically, he is working on a lighting and HVAC occupancy sensor retrofit program; energy efficiency improvements to an underperforming lab building; and the development of a retro-commissioning team working on buildings along a specific chilled-water loop.

**Biography:** Hal is a doctoral student focused on organizational leadership, social networks, behavioral change and energy efficiency. He holds a B.S. in building construction and an M.S. in interdisciplinary ecology. As a graduate research assistant with UF's Office of Sustainability, Hal helps coordinate the campus-wide carbon inventory and carbon neutral action plan. Hal is also a certified LEED-accredited professional and has worked as a commercial and residential construction project engineer, business development manager and researcher.

**Josh Mantooth**  
**Truman State University, Missouri**

**Project:** Josh is working on planting native tree species on university land to create a windbreak and, simultaneously, a carbon sequestration opportunity. The net carbon sequestered in the experimental plot will be compared to that of an adjacent control plot. The comparison will be accomplished in the context of a new interdisciplinary seminar course to be offered by the university.

**Biography:** A biology major and environmental studies minor, Josh became interested in pursuing environmental studies during a first year introduction to environmental studies course.

**Anne Pandey**  
**California State Polytechnic University, Pomona**

**Project:** Anne is working to advance CalPoly's climate action plan by completing and finalizing the plan and then promoting it (and other campus sustainability initiatives) through several means: creating an online sustainability library on CalPoly's website, establishing a Facebook page, and promoting through BrocoBytes, the Poly Post and community outreach.

**Biography:** Anne is a graduate student in regenerative studies. She serves as a board member and community dinner chair of the campus Green Team. Off-campus, she is on an elementary school sustainability committee where their goals include local and organic school lunches and landscaping with drought-tolerant plants. She also designed and taught a class on food miles. After graduation, Anne plans to continue working on healthy food schools, women's health and environmental sustainability.

**Nirav Patel**  
**Southern Illinois University Edwardsville**

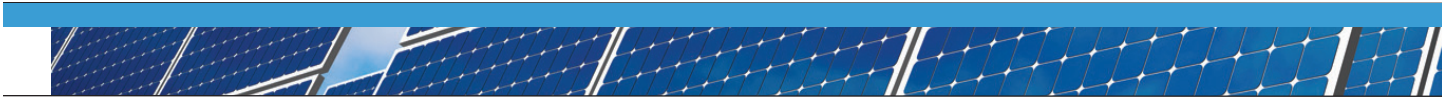
**Project:** Nirav is implementing the Maximum Power Point Tracking technique on campus. This technique aims to locate the global maximum power point on the P-I curve of the interconnected photovoltaic (PV) arrays to extract the maximum power from the PV arrays thus bypassing any local maximum that might trap other single stage MPPT technique. Additionally, Nirav's project may also be utilized in a solar NASCAR race in which his university is participating.

**Biography:** Nirav earned his undergraduate degree in electrical engineering in 2007 from Nirma University in India and is pursuing a graduate degree in electrical engineering at SIUE. His academic interests include power electronics, VLSI (very-large-scale integration) and communications with special interest in environment-related research and projects. His current research is on increasing the efficiency of PV arrays.

**Callista Perry**  
**Clark University, Massachusetts**

**Project:** Callista brought together young climate activists from across the Northeast to create community-based solutions in *Summer of Solutions 2009: Worcester*. The event aimed to build a self-sustaining community of people focused on specific, attainable projects in Worcester while simultaneously developing practical skills to implement climate change solutions throughout the Northeast.

**Biography:** A global environmental studies major, Callista is an active member of the Clark Sustainability Initiative, a student group



working to create environmental sustainability, social justice and innovative climate change solutions on campus and in the community. She has helped organize a variety of climate change events, including a Focus the Nation event and a PowerVote campaign. Additionally, she helped get 55 students to Power Shift 2007 and another 55 to Power Shift 2009.

**Axel Ramirez-Madera**  
**University of Puerto Rico at Mayaguez**

**Project:** Axel is supporting seven fundamental campus “Green Resolutions,” including transportation, recycling, energy conservation and efficiency, habitat, purchasing, education and water conservation. He organized a bike marathon to promote biking commuting; established 10 campus recycling stations; organized a beach clean-up event; and started a study of energy-efficient hand dryers for bathrooms.

**Biography:** Raised on a farm, Axel grew up caring for nature which led him to study agricultural sciences. He recently earned his graduate degree in agronomy and is now a field biologist for Mycogen Seeds, a winter nursery company, where he oversees pest control and irrigation for corn, soybean and sunflowers. Axel plans to pursue a Ph.D. to become a plant breeder, professor and researcher focused on working with youth to find solutions to ecological problems.

**Briar Schumacher**  
**University of Colorado**

**Project:** Briar is researching the amount of energy available for grid tied use from playground or fitness center equipment. Her project will determine the best ways to harvest the energy expended by children when at play or adults at the gym for a selected group of equipment.

**Biography:** Briar is a graduate teaching fellow and studying toward her master’s degree in mechanical engineering at the University of Colorado. She has worked as an HVAC engineer (the first woman to do so at her company in 30 years) and is a LEED-accredited professional.

**Isaac Slings**  
**Wartburg College, Iowa**

**Project:** Isaac is working with Students Seeking Sustainability (SSS), a student-led initiative which aims to organize the first Iowa Student Government Association Summit. The summit will focus, in part, on statewide sustainability efforts. Additionally, Isaac is completing a carbon map of the campus’s ecological carbon footprint. SSS is the first step in a multiphase plan to reduce Wartburg’s “footprint.”

**Biography:** Isaac is an electronic media major and social entrepreneurship minor. He is very involved in the college radio and television stations and intends to pursue a career in radio.



**Prashant Tank**  
**New York Institute of Technology**

**Project:** Prashant is measuring the useable solar radiation in a dense urban environment and its effect on the temperature profile of the main building of the NYIT's Manhattan campus. His work will encompass the digital archiving of the incident solar radiation impacting the building and measuring radiation using a digital camera calibrated by a light meter and solar photovoltaic panel on the roof of the structure. In addition, the temperature profile in the building will be measured and correlated with solar radiation.

**Biography:** Prashant credits his passion for nature to growing up near India's Gir forest, home to the severely endangered Asiatic lion. He holds an undergraduate degree in industrial chemistry and focused on green chemistry for his master's thesis. Prashant's interest in technology led him to the U.S. where he is studying toward a master's degree in environmental technology.

**Andrea Triplitt**  
**Furman University, South Carolina**

**Project:** Andrea is developing the Green Room Energy and Environmental Initiative (GREEN) Showcase Room – a residence hall model for students on campus to learn how simple lifestyle and product choices in their dorm rooms can significantly lessen their carbon footprint.

**Biography:** An earth and environmental science major, Andrea works with a number of student environmental organizations. Among them, she is working on developing a campus recycling master plan, coordinating and hosting a series of education and outreach events on campus recycling and working in the campus's new organic garden. Andrea is an avid kayaker and has attended the World Class Kayak Academy where students and teachers travel around the world and paddle the world's best rivers. Through that experience she witnessed environmental degradation firsthand.



## APPENDIX B: CHILL OUT, 2007–2009

### 2007 Grand Prize

#### California State University – Chico

In December 2006 California State University, Chico's president signed the then new American College and University President Climate Commitment (ACUPCC) – pledging the campus to achieve climate neutrality by 2050. The school has committed to focusing on institutionalizing sustainability and students have taken the lead through projects such as creating a student fee to fund sustainability projects, retrofitting a residence hall, networking with the Chico community to create sustainability service learning programs, and installing energy saving software on computers.

### Other Winners

#### Mount Wachusett Community College

The college conversion of its all-electrical campus to a biomass hydronic district heating system drastically reduced greenhouse gas emissions. This conversion demonstrated the use of sustainable and locally available feedstock and provided unique educational opportunities for students, resulting in a 24 percent reduction of greenhouse gas emissions over the past four years and a cumulative water savings of 12.2 million gallons. By eliminating electricity as a heat source, the campus reduced electricity use by 45.97 percent and saved \$2M. Additionally, the campus established four renewable energy courses.

#### Monmouth University

Monmouth completed the largest solar installation east of the Mississippi in summer 2006. At the time of the competition, the solar panels were projected to save \$150,000 and 468,569 kWh a year with a reduction of CO<sub>2</sub> by 5,000 tons over the next 30 years – the equivalent to planting 1,500 acres of trees or removing 1,000 cars from the road. A computer-generated station shows energy conservation data in “real time” from the panels.

#### Richard Stockton College

Projects included the world's largest closed-loop geothermal heating and cooling system at the time, solar PV arrays and a 200 kW fuel cell. The geothermal unit reduces the school's electric consumption by 25 percent and natural gas consumption by 70 percent. The unit has decreased the college's CO<sub>2</sub> emissions by 13 percent since 1990 and saves the school \$330,000 annually. Installed in 2002, the fuel cell provides 10 percent of the campus's total energy. Additionally, the fuel cell is centrally located on campus and is covered in explanatory diagrams making it a teaching tool for students, faculty, staff and other professionals.



### **Oregon Institute of Technology**

Due to the high energy costs on the original campus, Oregon Institute of Technology constructed a new campus to take advantage of the area's geothermal energy in the 1960s, drilling three deep wells, tapping geothermal hot water that heats the entire 650,000 sq. ft. campus, saving about \$1,000,000 annually in heating and hot water costs. At the time of the competition, the campus administration was proposing drilling a well into a fault to generate 100 percent of the campus's electricity.

### **University of California, Santa Barbara**

Facilities implemented several energy conservation measures including campus-wide lighting retrofits, motion sensors, efficient chillers and sustainability and energy websites which together have reduced campus CO<sub>2</sub> emissions by 8,100 tons per year. Additionally, the Green Campus Program runs the "Energy Conservation Competition" which pits halls against one another to lower energy use. University of California, Santa Barbara has found ways to provide increased space for research, education and living while limiting the growth of our environmental impact.

### **Oberlin College**

The student-developed "Campus Resource Monitoring System" (CRMS) is an automated monitoring system and website that empowers students to conserve by gathering and displaying data on dormitory energy and water use. Over a two-week period dorms competed to see who could reduce consumption the most. Overall dorms reduced electricity by 32 percent and the CRMS team won EPA's "People Prosperity and the Planet" design competition. A conservative estimate is that CRMS will save Oberlin \$66,000 annually in electricity costs.

### **The Lawrenceville School (High School)**

Lawrenceville's Students for Environmental Leadership Coalition (SELF) promotes the Green Cup Challenge, an interscholastic energy-saving competition between 15 northeastern boarding schools. SELF made a school-wide presentation regarding global warming and organized events for a month to promote the Challenge. Projects on campus involved a student biodiesel manufacturing group, an organic garden to provide food for the dining hall and a variety of awareness events including Low Impact Lunch where students learned how food choices affect their personal energy output.

## **Video Winners**

### **Temple University**

Temple University's video "Philly Eco Kids" shows Temple's Students for Environmental Action interviewing community members about global warming. These students are also making a positive difference in some local schools teaching students about global warming. [www.youtube.com/watch?v=c7qxrRSeHjg](http://www.youtube.com/watch?v=c7qxrRSeHjg)

### **Towson University**

Towson University's video, entitled "Towson Energy Activists," shows all of the different activities, campaigns and initiatives that Towson is running to educate the community on global warming and to reduce its impact on the environment. [www.youtube.com/watch?v=xFqGSKETzk](http://www.youtube.com/watch?v=xFqGSKETzk)



## 2008 Grand Prize

### **Butte College**

Butte College is on the track to be carbon neutral by 2015 and is employing energy efficiency measures in all campus facilities. The two-year college boasts a broad array of comprehensive global warming pollution reduction initiatives, including a Sustainability Studies certificate program and degree program scheduled to be in place by the fall of 2008. Butte College also runs the largest community college transportation system in California, recycles more than 75 percent of its operations waste stream and has a solar panel that accounts for 28 percent of the campus electricity use.

### **Energy Efficiency**

#### **University of Missouri - Columbia**

The University of Missouri - Columbia won the award for its intelligent and creative energy plan. The campus achieved zero global warming pollution emissions growth while also expanding. Since the inception of its energy conservation program in 1990, total campus energy use has been reduced by 19 percent while campus space has grown by nearly 60 percent.

### **Transportation**

#### **University of Montana**

Run by the student body, the university's transit system has reduced its emissions each year since its inception. The Associated Students of the University of Montana's Office of Transportation (ASUMOT) conducts various initiatives such as transit passes, bike co-ops, biodiesel projects and more. In 2006-2007, the program reduced carbon emissions by roughly 170 tons.

### **Habitat Restoration, Waste Reduction, Educational Awareness and More**

#### **Cascadia Community College and University of Washington**

The college and university share a single campus to increase higher education access on the eastside of Seattle. The dual campus contains an expansive stretch of restored urban wetlands and incorporates an array of sustainable initiatives including an extensive compost project, the use of goats to control invasive weeds, retrofitted toilets to save 40,000 gallons of water in eight months and a Wetlands Interpretive Center.

### **Innovative and Experimental Solutions**

#### **Berkshire School**

The Berkshire School implemented a global warming pollution emissions trading system between dorms to both help reduce global warming pollution and educate the student body. This innovative approach provides students with economic incentives for achieving pollution reductions. The program reduced the school's electricity use by more than 32,000 kW during the 2007-2008 academic year.



## Video Winners

### **Berea College**

Berea College's video "Doing the Green Thing" includes footage of the school's 8,400 acre, sustainably managed forest that offsets their carbon emissions. The video also showcases an educational farm that demonstrates sustainable farming techniques and provides local food. [www.youtube.com/watch?v=Tc3Q3qRdgTM](http://www.youtube.com/watch?v=Tc3Q3qRdgTM)

### **Daemen College**

Daemen College's video "The Little College That Could" showcases a new green building with a geothermal system, an eco-trail that provides natural habitat for students to study and wild-life to enjoy, energy audits performed by the student body, and a large recycling initiative on campus. [www.youtube.com/watch?v=rC6Sn3fx\\_1c](http://www.youtube.com/watch?v=rC6Sn3fx_1c)

## Runners Up

### **University of Oregon**

The university's campus recycling program maintains a 48 percent waste diversion while continuing to implement opportunities for waste reduction with a new compost collection starting in spring 2008.

### **Massachusetts College of Art**

The school's architecture department received a \$10,000 pilot grant from the Commonwealth of Massachusetts Executive Office of Environmental Affairs to design and build a roof garden. The goals were to mediate temperatures, use local native plants and mitigate storm water.

### **University of California, Santa Cruz**

Students, staff, faculty and administration are working collaboratively to lower the campus's carbon footprint and promote sustainable lifestyles. As the result of a student fee passed in 2006, the campus now purchases 100 percent renewable energy and keeps 30,000 tons of CO<sub>2</sub> out of the air per year.

### **College of Menominee Nation**

The college's president signed on as a Leadership Circle member to the American College and University President Climate Commitment (ACUPCC). College of Menominee Nation requires students take Introduction to Sustainable Development and in summer 2007, hosted its second conference on sustainable development. The school's two-year goal is to collaborate with the North Central Regional Center for Rural Development in developing a set of campus sustainability indicators appropriate for use at the U.S.'s 36 tribal colleges.

### **Warren Wilson College**

The college facilitates a comprehensive campus climate protection plan with an annual greenhouse gas inventory and a Greenhouse Gas Emissions Reductions Task Force.



## 2009 Grand Prize Winner

### Massachusetts Maritime Academy

The academy runs the Lead by Example Sustainability Initiative, aimed at setting the standard for responsible management of non-renewable resources. They have introduced sustainability issues into the curriculum and students learn proven strategies for reducing energy use both in the classroom and in real life. One of the school's many green initiatives is a 242-foot tall wind turbine, expected to generate 25 percent of the school's electricity needs and translate to a savings of \$300,000 per year.

### Winners

The Chancellor's Office of the California State University System

The state of California has partnered with energy provider SunEdison to bring affordable solar power to the California State University system. These installations will create a zero-emission, 8 MW solar photovoltaic power system, estimated to cut 9,485 metric tons of CO<sub>2</sub>. This reduction is equivalent to removing 48,000 cars from the road over the life of the energy contract. The California State University system also purchases up to 20 percent of its electricity from green sources.

### California State University, Northridge

The university has a 1 MW fuel cell power plant – the largest such installation at any university in the world. The ultra-clean plant produces 18 percent of the campus' electricity, and simultaneously eliminates associated heating, cooling and maintenance costs. Because fuel cell technology is combustion-free, it produces nearly zero particulate emissions. Energy performance gains made possible by the fuel cell installation will also save operational expenses and reduce the campus's environmental impact for many years.

### Humboldt State University



Humboldt State has made alternative transportation a viable option. One of the university's most innovative projects is the "Jack Pass," an unlimited-ride bus pass for Humboldt students. Since implementing Jack Pass, the Redwood Transit Service announced a 30 percent increase in ridership, which translates to huge reductions in the county's carbon footprint. After the introduction of the Jack Pass, 526 fewer parking permits were sold on the campus, eliminating the need to construct a new multilevel parking structure.

### Middlebury College

In response to student activism, the college's Board of Trustees set an ambitious goal to achieve carbon neutrality by 2016. The college has reduced its carbon footprint by constructing a biomass gasification generator fueled by local, sustainably harvested wood chips which will pay for itself halfway through its 25-year life expectancy. The biomass plant will help the campus cut CO<sub>2</sub> output by 40 percent and will reduce fuel oil use by 50 percent.

### Oberlin College

Oberlin has used its climate neutral mandate to forge unique alliances between students, college activists and local



citizens. The school has worked to offset 13 percent of its greenhouse gas emissions, saving \$715,000 in utilities. Additionally, they spearheaded a compact fluorescent light bulb (CFL) exchange. With the help of a donation of 10,000 CFLs and project preparation in an environmental studies course, the campus exchanged bulbs with dorm rooms, local high schools, and 650 community member's homes to achieve an estimated total reduction of 6,400 tons of CO<sub>2</sub>.

## **Video Winners**

### **Longwood University**

Longwood University's video "Longwood...Creating A Sustainable Future" showcases several of the school's projects – a steam plant that burns waste sawdust from local sawmills and provides 80 percent of its heat and hot water; the trayless dining hall that reduces food waste by two tons per month; the LEED Gold-certified health and fitness center is LEED Gold certified; and press boxes along the athletic fields made from recycled shipping containers. [www.gogreentube.com/watch.php?v=ND.C1NDEx](http://www.gogreentube.com/watch.php?v=ND.C1NDEx)

### **University of California, San Diego**

University of California, San Diego's video "UC San Diego: A Living Laboratory for Real-World Solutions" details how the campus saves \$12 million annually through energy efficiency measures. Among the many innovations are specialized climate-controlled boxes for housing computers and servers and student-built weather stations used as data collectors to increase climate control efficiency. The school is currently researching algae as a biofuel source. [www.gogreentube.com/watch.php?v=ND.C4OTQ1](http://www.gogreentube.com/watch.php?v=ND.C4OTQ1)



## APPENDIX C: CAMPUS ECOLOGY PARTNERS

Advanced Technology Environmental and Energy Center (ATEEC)  
American Association of Community Colleges (AACC)  
American Society of Landscape Architects (ASLA)  
American Student Government Association (ASGA)  
APPA : Leadership in Educational Facilities  
Association for the Advancement of Sustainability in Higher Education (AASHE)  
Clean Air–Cool Planet  
Climate Counts  
DoSomething.Org  
Earth Day Network  
Energy Action Coalition (includes 49 national and regional youth partners)  
EPA RecycleMania  
Focus the Nation  
Gaylord Nelson Institute for Environmental Studies, Univ. of Wisconsin-Madison  
Green Press Initiative  
Jobs for the Future (JFF)  
Kaplan  
Massachusetts State Sustainability Program  
National Teach-In  
National Association of Educational Procurement (NAEP)  
National Association of Campus Activities (NACA)  
National Association of College and University Business Officers (NACUBO)  
National Association of State Universities and Land-Grant Colleges (NASULGC)  
New Jersey Higher Education Partnership for Sustainability  
Partnership for Environmental Technology Education (PETE)  
Princeton Survey Research Associates International  
Second Nature  
Society for College and University Planning (SCUP)  
SustainUs  
The Wildlife Society  
Wind Current  
Youth Noise

## APPENDIX D: CAMPUS ECOLOGY PRESS COVERAGE, 2007–2009

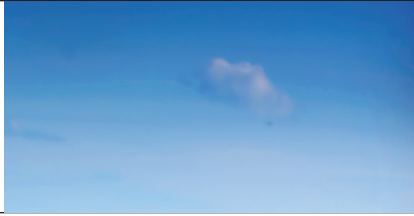
Campus Ecology Media 2007		
Date	Title	Publication
28-Jan-07	Rhode Island Contestant Wins Service Award	<i>Reno Gazette Journal</i>
30-Jan-07	In Recognition of National Landscape Architecture Month, ASLA Partners with NWF	<i>Landscape Architecture News Digest (ASLA)</i>
30-Jan-07	Campus Competition Takes Conservation Across Country	<i>Athens Messenger</i>
31-Jan-07	Stout Participates in Recycling Contest	
1-Feb-07	2006 Udall Scholar	<i>Morris K. Udall Foundation Website</i>
2-Feb-07	Sustainability Project Receives National Honor	<i>Franklin Pierce College Website</i>
22-Feb-07	Saturation Point – In the Air	<i>The Observer News</i>
1-Mar-07	Chill Out on YouTube	<i>Colby College Homepage</i>
1-Mar-07	Chill Out on YouTube	<i>Out of the Blue (Colby College Alumni Newsletter)</i>
1-Mar-07	Vote for OHIO Ecohouse in Chill Out Contest!	<i>Ohio University Website</i>
1-Mar-07	Ricky Chavez	<i>Common Voice (Sterling College)</i>
1-Mar-07	Biking to a Greener Future	<i>Wellesley Magazine</i>
8-Mar-07	National Wildlife Federation Honors AU for Student Activism on Wind Power	<i>American Weekly (American University Newspaper)</i>
12-Mar-07	Mark Wubbold Produces Video on Global Warming	<i>Portland State University Website</i>
15-Mar-07	Sterling College Student Wins Ecology Fellowship	<i>Stowe Reporter</i>
23-Mar-07	BC's "Environment Factory" Needs Your Vote by March 31	<i>BC Now! (Berea College)</i>
24-Mar-07	EAG Enters Video Contest, Voting Ends March 31	<i>The Colby Echo</i>
26-Mar-07	Sterling College Student Chosen for Ecology Fellowship	<i>The Caledonian-Record</i>
2-Apr-07	Geo-Heat Center: Wins National Wildlife Federation Award	<i>Geothermal Energy Association Update (Newsletter)</i>
4-Apr-07	Chavez Earns Prestigious Fellowship	<i>The Chronicle</i>

6-Apr-07	Lourdes College to Host National Multimedia BroadCast "Chill Out: Campus Solutions to Global Warming" on April 18	<i>La Prensa (Ohio and Michigan Newspaper)</i>
14-Apr-07	Earth Day Celebration at Monmouth University	<i>Atlantic Highlands Herald</i>
15-Apr-07	Earthweek at UCSD	<i>Biofuels Awareness and Action Network, UCSD Website</i>
16-Apr-07	Earth Day Celebration at Monmouth University	<i>Monmouth University Website</i>
16-Apr-07	Campus Resource Monitoring System wins NWF Chill Out award	<i>LucidDesignGroup Website</i>
16-Apr-07	California State University, Chico Wins Grand Prize for Fighting Global Warming	<i>CSU Chico Website</i>
17-Apr-07	Chico State Wins Environmental Award	<i>The Sacramento Bee</i>
17-Apr-07	Chico State Efforts Wins National Award	<i>CSU Chico website</i>
17-Apr-07	Chico State Efforts Wins National Award	<i>Chico Enterprise-Record</i>
17-Apr-07	Chico State wins NWF's Global Warming Award	<i>KNVN-TV 5pm</i>
17-Apr-07	Chico State wins NWF's Global Warming Award	<i>KNVN-TV 5:30pm</i>
17-Apr-07	Chico State wins NWF's Global Warming Award	<i>KHSL-TV 6:30pm</i>
17-Apr-07	Chico State wins NWF's Global Warming Award	<i>KRCR Evening News</i>
17-Apr-07	Chico State wins NWF's Global Warming Award	<i>KNVN-TV 11pm</i>
17-Apr-07	Chico State wins NWF's Global Warming Award	<i>KHSL-TV 11pm</i>



17-Apr-07		Campus Solutions to Global Warming	<i>ETSU Accent (Faculty/Staff Newsletter)</i>
18-Apr-07		Chill Out!	<i>Richmond Register</i>
18-Apr-07		Chico State Wins NWF's Global Warming Award	<i>KNVN-TV Wake Up!</i>
18-Apr-07		Chico State Wins NWF's Global Warming Award	<i>KHSL-CBS NCN Morning News, Chico-Redding, Calif.</i>
18-Apr-07		Chico State Wins NWF's Global Warming Award	<i>KNVN-NBC NCN Morning News, Chico-Redding, Calif.</i>
18-Apr-07		Chico State Wins NWF's Global Warming Award	<i>KRCR-ABC Morning News, Chico-Redding, Calif.</i>
18-Apr-07		OIT Earns Top Honors	<i>KDRV-ABC Late News, Medford-Klamath, Ore.</i>
18-Apr-07		OIT Earns Top Honors	<i>KDRV-ABC 6pm Medford-Klamath Falls, Ore.</i>
19-Apr-07		Oberlin College Receives NWF Award For Innovation in Reducing Global Warming	<i>Oberlin College News Website</i>
19-Apr-07		Earth Day Program to End With Lecture on Global Warming	<i>Daily Nexus (UCSB)</i>
19-Apr-07		NWF Says OIT Can Chill Out	<i>OIT Admissions Blog</i>
19-Apr-07		OIT Wins Nationwide College Campus Ecology Competition	<i>The Siskiyou Daily News</i>
19-Apr-07		Chilling Out on Earth Day	<i>Iowa State Daily (Iowa State University Newspaper)</i>
19-Apr-07		Chill Out	<i>Larry Schweiger's View (NWF Blog)</i>
19-Apr-07		MWCC Wins National Wildlife Federation Honor	<i>Worcester Telegram &amp; Gazette</i>
19-Apr-07		Chico State Beat Out More Than 100 Entrants	<i>Newsreview.com Green Guide</i>
20-Apr-07		Colleges Lead the Way to Global Warming Solutions	<i>All American Patriots Website</i>
20-Apr-07		Colleges and Universities Lead Way to Global Warming Solutions	<i>Newswise Website</i>
22-Apr-07		MWCC Wins National Global Warming Award	<i>Sentinel &amp; Enterprise</i>
23-Apr-07		Global Warming Panel Proposes Solutions	<i>The Quad (West Chester University Newspaper)</i>
23-Apr-07		Chill Out with the Campus Climate Challenge	<i>The AirZone Blog</i>
23-Apr-07		Campus Observes Earth Week	<i>The Towerlight (Towson University Newspaper)</i>
23-Apr-07	Chill Out With the Campus Climate Challenge	Digg.com	Chill Out
25-Apr-07	Students, Gore "Chill Out"	The Signal (The College of New Jersey Newspaper)	Chill Out

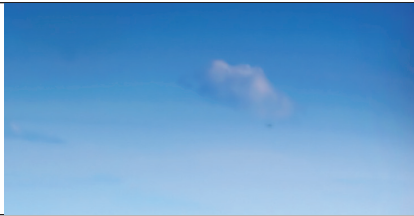
26-Apr-07	Global Warming and Wildlife	The Fifth Column Online Magazine	Chill Out
26-Apr-07	Richard Stockton College Wins Recognition From the NWF for Climate Leadership	Richard Stockton Website	Chill Out
27-Apr-07	Sustainability and Sunshine	The Oberlin Review	Chill Out
30-Apr-07	OIT Wins Nationwide College Campus Ecology Competition	Green Power and Market Research News	Chill Out
May-07	Chill Out! Competition Winners Announced	Clean Air Cool Planet Website	Chill Out
1-May-07	Keeping (the Planet) Cool	UCSB's School of Environmental Science and Management Website	Chill Out
6-May-07	Stockton Wins Contest for Green Technology	Press of Atlantic City	Chill Out
7-May-07	UCSB Chills, Wins	Goleta Valley Voice	Chill Out
7-May-07	Farewell, Sweet Ice	The Nation	Matthew Gilbert (Fellow)
9-May-07	College Maintains Global Consciousness	The Reminder	Chill Out
9-May-07	P3 Team Scales New Heights	EPA National Center for Environmental Research Website	Chill Out
10-May-07	College Goes Green and Gets Noticed	WKYC Website	Chill Out
11-May-07	Mass. College Awarded Top Ecology Honor	Community College Times	Chill Out
17-May-07	Student to Create Campaign to Reduce Ball State Pollution	Ball State Daily News	F. Hernandez (Fellow)
1-Aug-07	Chill Out! It's a Good Thing!	National Wildlife Magazine	Chill Out
8-Aug-07	A New Front for Campus Activism: Energy Efficiency	GreenBiz.com	Chill Out
10-Aug-07	15 Green Colleges and Universities	<i>Grist</i>	Chill Out



23-Aug-07	Are Freshmen the Greenest Thing You Can Find on Your College Campus?	<i>Ideal Bite</i>	Campus Ecology
25-Sep-07	NWF Chill Out Contest Accepting Entries	<i>Surge Network, NC Progressive Youth Activism</i>	Chill Out
30-Sep-07	Second Annual Michigan Student Sustainability Summit	<i>Global Exchange</i>	Campus Ecology
1-Oct-07	NWF Fellowships and Chill Out	<i>Santa Clara Sustainability Update</i>	Fellowships and Chill Out
1-Oct-07	Chill Out: Campus Solutions to Global Warming	<i>Beta Lambda Mu Website (Cy-Fair College)</i>	Chill Out
1-Oct-07	Chill Out	<i>Collective Impacts Newsletter (Ithaca College)</i>	Chill Out
2-Oct-07	National Wildlife Federation Chill Out! Competition	<i>Duke University Website</i>	Chill Out
12-Oct-07	NWF Chill Out Campus Solutions to Global Warming	<i>Charity Channel Website</i>	Chill Out
15-Oct-07	Chill Out!	<i>DoSomething E-newsletter</i>	Chill Out
18-Oct-07	Chill Out Contest Entries Sought by Nov. 30	<i>Ithaca Intercom</i>	Chill Out
23-Oct-07	Campus Sustainability Day Celebrates Environmental Stewardship	<i>HappyNews.com</i>	Campus Ecology
23-Oct-07	ARAMARK Delivers Sustainable Practices on Campuses	<i>Forbes Online</i>	Campus Ecology
28-Oct-07	Chill Out: Campus Solutions to Global Warming	<i>Roots and Shoots E-newsletter</i>	Chill Out
29-Oct-07	NWF Chill Out! Contest	<i>Minnesota Campus Compact</i>	Chill Out
29-Oct-07	Contest Sponsored to Promote Green Efforts	<i>The Breeze (James Madison University Newspaper)</i>	Chill Out
1-Nov-07	Chill Out Ad	<i>Campus Activities Programming (NACA)</i>	Chill Out
5-Nov-07	U. Central Florida Students Tackle Climate Crisis	<i>Calibre MacroWorld</i>	Power Shift
6-Nov-07	Youth Leaders Shift Attention to Environment at Power Shift Summit in D.C	<i>MTV</i>	Power Shift
6-Nov-07	Students Urge Congress to Wet Greener Course	<i>The Diamondback (University of Maryland Newspaper)</i>	Power Shift

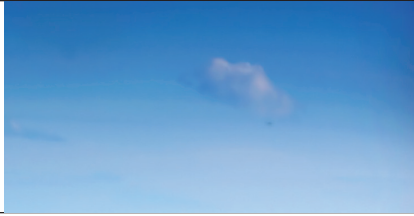
6-Nov-07	Tech Students Attend National Summit	<i>Collegiate Times</i>	Power Shift
7-Nov-07	Planet Superheroes Only	<i>What's Up (Florida Atlantic University Website)</i>	Chill Out
15-Nov-07	BYU May Enter Climate Contest	<i>Brigham Young University NewsNet</i>	Chill Out
1-Dec-07	Focus the Nation	<i>National Wildlife Magazine</i>	Focus the Nation
5-Nov-07	Chill Out Ad	<i>Power Shift Program</i>	Chill Out

<b>Campus Ecology Media 2008</b>			
<b>Date</b>	<b>Title</b>	<b>Publication</b>	<b>Focus</b>
15-Jan-08	Higher Education in a Warming World	<i>National Council for Science and Environment Website</i>	Business Case
15-Jan-08	NWF report on Higher Ed Cites St. Olaf Wind Turbine	<i>St. Olaf Website</i>	Business Case
15-Jan-08	UT Knoxville Make Orange Green Efforts Recognized by NWF	<i>University of Tennessee, Knoxville Website</i>	Business Case
15-Jan-08	National Teach-In on Global Warming	<i>University of Maryland</i>	National Teach-In
16-Jan-08	Letter from Senators		Focus the Nation
16-Jan-08	TCC, UVA Applauded for Green Practices	<i>The Virginian-Pilot</i>	Business Case
17-Jan-08	Higher Education in a Warming World	<i>AASHE Bulletin</i>	Business Case
18-Jan-08	Report: Minnesota Campuses Going Green	<i>Minnesota News Connection</i>	Business Case
22-Jan-08	Climate Leadership Report Cites UNH Efforts	<i>University of New Hampshire Website</i>	Business Case



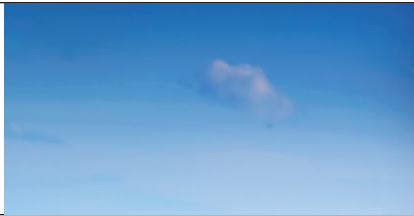
23-Jan-08	UI Joins the National Teach-In on Global Warming	<i>University of Idaho</i>	National Teach-In
26-Jan-08	NVCC Hosts Climate Change Programs	<i>Potomac News</i>	Focus the Nation
27-Jan-08	Lakeland College Joins National Effort Focusing on Climate Change	<i>The Sheboygan Press</i>	Focus the Nation
27-Jan-08	Student Help Bring National Event on Climate Change	<i>Leelanau Enterprise</i>	Focus the Nation
27-Jan-08	Boise State University to Take Part in National Teach-In on Global Warming Feb. 4-5	<i>Boise State University Communications and Marketing</i>	National Teach-In
27-Jan-08	De Anza To Participate In Second National Teach-In On Global Warming Solutions	<i>De Anza College News Release</i>	National Teach-In
27-Jan-08	CSUF Plans All-Day Teach-In on Global Warming	<i>The Daily Titan (Cal State Fullerton)</i>	National Teach-In
28-Jan-08	Ariz. to join Focus the Nation Effort	<i>AZ Central (ASU Homepage)</i>	Focus the Nation
28-Jan-08	FTN: Univ of Arkansas to Participate in Natl Teach-In	<i>University of Arkansas Website</i>	Focus the Nation
28-Jan-08	Higher Education in a Warming World	<i>SCUP Blog</i>	Business Case
28-Jan-08	Teach-Ins Focus on Climate	<i>News Observer</i>	Focus the Nation
28-Jan-08	Join the National Teach-In on Global Warming Feb 4-5!	<i>Huffington Post</i>	National Teach-In
28-Jan-08	Teach-In on Climate Change at UWS	<i>Superior Telegram (University of Wisconsin-Superior)</i>	National Teach-In
28-Jan-08	Teach-In to Address Global Warming Policy in President Obama's First 100 days	<i>Savannah College of Art and Design</i>	National Teach-In
29-Jan-08	FTN: First Step for Earth Day 2008 Activism on Campus	<i>EDN Press Release</i>	Focus the Nation & Chill Out
29-Jan-08	UNC Cited in New NWF Report on Climate	<i>University of North Carolina Website</i>	Business Case
29-Jan-08	Ithaca College Schedules Daylong "Teach-In" on Climate Change	<i>Ithaca University</i>	National Teach-In
29-Jan-08	VSU Participates in Environmental Teach-In	<i>Valdosta State University news</i>	National Teach-In
29-Jan-08	Teach-In Conference Endorses Environmental Sustainability	<i>The Creightonian Online</i>	National Teach-In
30-Jan-08	A Climate-Change Counterculture	<i>Potomac News</i>	Focus the Nation
1-Feb-08	Chill Out Web Ad	<i>NACA Website</i>	Chill Out
1-Feb-08	Climate Action: A Student Affair	<i>National Wildlife Magazine</i>	Power Shift
1-Feb-08	Climate Called a Campus Concern	<i>Potomac News</i>	Focus the Nation
1-Feb-08	Doing the Green Thing	<i>The Periclean Progress E-Newsletter</i>	Chill Out

1-Feb-08	Higher Education in a Warming World	<i>ServiceLearning.org</i>	Business Case
1-Feb-08	Higher Education in a Warming World	<i>Greenerbuildings.com</i>	Business Case
4-Feb-08	Meet the Interim Associate Chancellor for Sustainability	<i>Sustainability at UIC Newsletter</i>	Fellow
4-Feb-08	UNH Leads Greenhouse Gas Reduction Efforts	<i>Durham Energy Committee Website</i>	Business Case
6-Feb-08	Focus the Nation Holds Teach-In	<i>Central Florida Future</i>	Focus the Nation
7-Feb-08	New Report Details Best Practices for Taking Climate Action	<i>NACUBO Website</i>	Business Case
9-Feb-08	ReEnergize TX	<i>KXAN-NBC 6pm, Austin</i>	ReEnergize TX
9-Feb-08	ReEnergize TX	<i>KXAN-NBC 10pm, Austin</i>	ReEnergize TX
9-Feb-08	ReEnergize TX	<i>News8 Cable 4pm, Austin</i>	ReEnergize TX
9-Feb-08	ReEnergize TX	<i>News8 Cable 5pm, Austin</i>	ReEnergize TX
9-Feb-08	ReEnergize TX	<i>News8 Cable 6pm, Austin</i>	ReEnergize TX
9-Feb-08	ReEnergize TX	<i>News8 Cable 6pm, Austin</i>	ReEnergize TX
9-Feb-08	ReEnergize TX	<i>News8 Cable 6pm, Austin</i>	ReEnergize TX
9-Feb-08	ReEnergize TX	<i>News8 Cable 7pm, Austin</i>	ReEnergize TX
9-Feb-08	ReEnergize TX	<i>News8 Cable 7pm, Austin</i>	ReEnergize TX
9-Feb-08	ReEnergize TX	<i>News8 Cable 8pm, Austin</i>	ReEnergize TX
9-Feb-08	ReEnergize TX	<i>News8 Cable 8pm, Austin</i>	ReEnergize TX
9-Feb-08	ReEnergize TX	<i>News8 Cable 8pm, Austin</i>	ReEnergize TX
9-Feb-08	ReEnergize TX	<i>News8 Cable 9pm, Austin</i>	ReEnergize TX
9-Feb-08	ReEnergize TX	<i>News8 Cable 10pm, Austin</i>	ReEnergize TX
10-Feb-08	Hundreds Gather for ReEnergize Texas Summit	<i>News 8 Austin Website</i>	ReEnergize TX
10-Feb-08	ReEnergize TX	<i>KXAN-NBC 7am, Austin</i>	ReEnergize TX



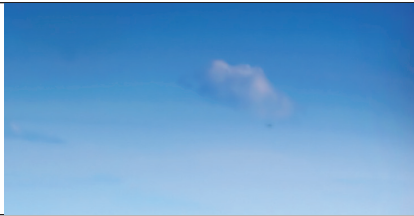
10-Feb-08	ReEnergize TX	<i>KXAN-NBC 8am, Austin</i>	ReEnergize TX
10-Feb-08	ReEnergize TX	<i>News8 Cable 6am, Austin</i>	ReEnergize TX
10-Feb-08	ReEnergize TX	<i>News8 Cable 7am, Austin</i>	ReEnergize TX
10-Feb-08	ReEnergize TX	<i>News8 Cable 8am, Austin</i>	ReEnergize TX
10-Feb-08	ReEnergize TX	<i>News8 Cable 10am, Austin</i>	ReEnergize TX
10-Feb-08	ReEnergize TX	<i>News8 Cable 11am, Austin</i>	ReEnergize TX
10-Feb-08	ReEnergize TX	<i>News8 Cable 12pm, Austin</i>	ReEnergize TX
10-Feb-08	ReEnergize TX	<i>News8 Cable 1pm, Austin</i>	ReEnergize TX
10-Feb-08	ReEnergize TX	<i>News8 Cable 2pm, Austin</i>	ReEnergize TX
10-Feb-08	ReEnergize TX	<i>News8 Cable 3pm, Austin</i>	ReEnergize TX
10-Feb-08	ReEnergize TX	<i>News8 Cable 4pm, Austin</i>	ReEnergize TX
10-Feb-08	ReEnergize TX	<i>News8 Cable 4pm, Austin</i>	ReEnergize TX
11-Feb-08	NWF Sponsors The 2% Solution, Focus the Nation	<i>NWF Intranet</i>	Focus the Nation
11-Feb-08	Youth Conference Addresses Global Warming Issues	<i>The Daily Texan (University of Texas, Austin Newspaper)</i>	ReEnergize TX
12-Feb-08	Cape Cod Community College Praised for Sustainability and Carbon Neutrality Efforts	<i>Cape Cod Today</i>	Business Case & Chill Out
15-Feb-08	Higher Education in a Warming World	<i>The Environmental Association for Universities and Colleges Website</i>	Business Case
15-Feb-08	NWF Features UI Biomass Project	<i>University of Iowa Facilities Website</i>	Business Case
15-Feb-08	The Re-Energizer Revival	<i>The Austin Chronicle</i>	Re-Energize TX
17-Feb-08	UCF Thank You	<i>Focus the Nation at UCF</i>	Focus the Nation
17-Feb-08	Finding the Business Cases for Sustainability and Climate Neutrality	<i>The Chronicle of Higher Education Blog</i>	Business Case
17-Feb-08	Clemson to Participate in National Teach-In on Global Warming Solutions	<i>Clemson University</i>	National Teach-In
18-Feb-08	Higher Education in a Warming World	<i>SCUP Newsletter</i>	Business Case
20-Feb-08	Chill Out: Campus Solutions to Global Warming Broad.Cast	<i>UCF Sustainability Alliance Website</i>	Chill Out
21-Feb-08	NWF Eyes Oberlin as Leader in Climate Change Issues	<i>Oberlin Online</i>	Business Case
21-Feb-08	Student to Participate in Environmental Summit	<i>The Pan American (University of Texas-Pan American)</i>	ReEnergize TX
28-Feb-08	Report Recognizes Penn State	<i>The Daily Collegian Online (Penn State)</i>	Business Case
1-Mar-08	Higher Education in a Warming World	<i>E Magazine</i>	Business Case

1-Mar-08	Higher Education in a Warming World	<i>Yale Sustainability Website</i>	Business Case
5-Mar-08	New Report: Higher Education in a Warming World	<i>EnviroAction March Newsletter</i>	Business Case
7-Mar-08	Higher Education in a Warming World	<i>Climate Biz E-news and Website</i>	Business Case
10-Mar-08	Higher Education in a Warming World	<i>Green Buzz E-news and Website</i>	Business Case
12-Mar-08	University Attempts New "Green" Ranking	<i>The Orion</i>	Chill Out
24-Mar-08	Read More About Campus Ecology Resources!	<i>NWF Intranet</i>	Campus Ecology
27-Mar-08	Join Millions on Earth Day	<i>LA Chronicle</i>	Chill Out
28-Mar-08	National Wildlife Federation: Chill Out	<i>Nelson Institute Website (University of Wisconsin)</i>	Chill Out
30-Mar-08	Chill Out Ad	<i>GW Hatchet.com</i>	Chill Out
1-Apr-08	Chill Out Print Ad	<i>Campus Activities Programming</i>	Chill Out
1-Apr-08	Smart and Sustainable Campuses Live Blogging	<i>Campus Sustainability Planning Network Blog</i>	Campus Ecology
3-Apr-08	ASUM Candidate Forum at Noon in UC Thursday	<i>Montana Kaimin (University of Montana Newspaper)</i>	Chill Out
4-Apr-08	Drexel to Host Chill Out: Campus Solutions to Global Warming Webcast	<i>Drexel Daily Digest</i>	Chill Out
4-Apr-08	The National Wildlife Federation Presents Chill Out	<i>College of Art and Design Calendar (Iowa State University)</i>	Chill Out
6-Apr-08	College Campuses to Chill Out	<i>Charlotte Observer</i>	Chill Out
7-Apr-08	Chill Out with NWF	<i>Local Warming Blog</i>	Chill Out
8-Apr-08	Chill Out	<i>The Jambar (Youngstown State University Newspaper)</i>	Chill Out
9-Apr-08	PSU to Host Live National Webcast on Global Warming	<i>Plymouth State News Website</i>	Chill Out
10-Apr-08	Butte College Wins NWF Sustainability Contest	<i>The Chronicle of Higher Education Blog</i>	Chill Out



10-Apr-08	Chill Out International Webcast on Climate Change	<i>Ithaca Intercom</i>	Chill Out
10-Apr-08	ETSU groups Host Chill Out	<i>East Tennessean (East Tennessee State University)</i>	Chill Out
10-Apr-08	ETSU to Celebrate Earth Day	<i>Citizen Tribune Online</i>	Chill Out
11-Apr-08	April 16, NWF's Live Broad.Cast...	<i>Finger Lakes Institute Events</i>	Chill Out
11-Apr-08	Berkshire School Nationally Recognized	<i>Berkshire School Website</i>	Chill Out
11-Apr-08	Butte College Wins Chill Out Contest	<i>Chico Enterprise Record</i>	Chill Out
11-Apr-08	Global Warming Is the Problem! Campuses Are the Solution!	<i>Youngstown State University re:Create Program Website</i>	Chill Out
11-Apr-08	Go Green at Chill Out Simulcast Wednesday	<i>Cy-Fair College Website</i>	Chill Out
11-Apr-08	Live Webcast	<i>Adams State College Announcements Website</i>	Chill Out
14-Apr-08	Wednesday: Chill Out in D.C	<i>TheGreenMiles.net</i>	Chill Out
14-Apr-08	"Going Green" NWF Recognizes Butte	<i>KHSL-TV 6:30pm, Chico, Calif.</i>	Chill Out
14-Apr-08	Butte College Wins Competition	<i>KHSL-TV Chico, Calif.</i>	Chill Out
14-Apr-08	Butte College Wins National Award for Innovations	<i>AOL Money and Finance Website</i>	Chill Out
14-Apr-08	Butte College Wins National Award for Innovations	<i>Centre Daily Times</i>	Chill Out
14-Apr-08	Butte College Wins National Award for Innovations	<i>CNBC.com</i>	Chill Out
14-Apr-08	Butte College Wins National Award for Innovations	<i>Forbes.com</i>	Chill Out
14-Apr-08	Butte College Wins National Award for Innovations	<i>Businesswire.com</i>	Chill Out
14-Apr-08	Butte College Wins National Award for Innovations	<i>PR-inside.com</i>	Chill Out
14-Apr-08	Butte College's Green Approach Gets National Award	<i>Central Valley Business Times</i>	Chill Out
14-Apr-08	Eight U.S. Colleges Win National Award	<i>Daemen College Website</i>	Chill Out
15-Apr-08	Award Program Honors US Schools in Addressing Global Warming	<i>AZOClean Tech Website</i>	Chill Out
15-Apr-08	Volunteer Services Hosts Chill Out Global Warming Webcast	<i>UTSAToday (University of Texas, San Antonio)</i>	Chill Out
16-Apr-08	Chill Out	<i>Gainesville Sun</i>	Chill Out
16-Apr-08	Chill Out	<i>University of Wisconsin</i>	Chill Out
16-Apr-08	Going Green Gains Glory for MU	<i>University of Missouri Website</i>	Chill Out
16-Apr-08	Hosting Chill Out	<i>The Adventures of Andrew Lee (Blog)</i>	Chill Out

16-Apr-08	NWF Statement on Bush Speech	<i>U.S. Climate Action Network Website</i>	Chill Out
16-Apr-08	SFCC Earth Day Activities	<i>The Gainesville Sun Website</i>	Chill Out
16-Apr-08	Students Offer Solutions to Global Warming	<i>The Kentucky Kernel</i>	Chill Out
16-Apr-08	Today: Hosting the NWF Chill Out Broad.Cast	<i>The Adventures of Andrew Lee (Blog)</i>	Chill Out
16-Apr-08	UM Chills Out and Wins	<i>Big Sky Connection Radio</i>	Chill Out
16-Apr-08	University of Missouri Wins National Award	<i>Net News Publisher</i>	Chill Out
17-Apr-08	Bush Extend Inaction	<i>All American Patriots</i>	Chill Out
17-Apr-08	Daemen College Won Video Award	<i>WBEN 930AM Radio</i>	Chill Out
17-Apr-08	NWF: George Bush Seeks to Extend Legacy of Inaction on GW	<i>All American Patriots</i>	Chill Out
17-Apr-08	The Big Chill Out	<i>Chico News and Review (newsreview.com)</i>	Chill Out
17-Apr-08	West De Pere HS Students Take Action	<i>Green Bay Press Gazette</i>	Chill Out
18-Apr-08	MU Recognized for Energy Conservation	<i>Columbia Tribune</i>	Chill Out
18-Apr-08	Recognized for Innovative Transit	<i>University of Montana Website</i>	Chill Out
18-Apr-08	UM Recognized for Innovative Transit Options	<i>University of Montana Website</i>	Chill Out
21-Apr-08	Campuses Across the Country Chill Out	<i>Climate Capsule</i>	Chill Out
22-Apr-08	Univ. of Montana Nationally Recognized	<i>Missoulian</i>	Chill Out
23-Apr-08	Campus Wins Prize for Wetlands	<i>The Seattle Times</i>	Chill Out
24-Apr-08	Adams State Debuts First Annual Earth Week	<i>South Coloradan</i>	Chill Out
24-Apr-08	Environmental Club Hosts Chill Out	<i>The Cowl</i>	Chill Out
1-May-08	Wetlands Chill Out in Bothell, WA	<i>Ozone Newsletter</i>	Chill Out



1-May-08	WWC Receives Chill Out Award	<i>Warren Wilson College Website (Homepage)</i>	Chill Out
1-May-08	WWC Receives Chill Out Award	<i>Warren Wilson College Website</i>	Chill Out
15-May-08	Second Annual Chill Out Event	<i>NWF Volunteer Spirit Newsletter</i>	Chill Out
19-May-08	Campus Efforts to Confront Global Warming	<i>Earth and Economy</i>	Chill Out
24-May-08	Thanks to APU	<i>Anchorage Daily News</i>	Champion
17-Jun-08	Cutting MU's Energy Bill	<i>Columbia Tribune</i>	Chill Out
21-Jun-08	A Green College Grows in CA	<i>Community College Times</i>	Chill Out
23-Jun-08	Business Case	<i>Purdue Website</i>	Business Case
3-Jul-08	UBC Pres Applauds Sustainability	<i>University of British Columbia Website</i>	Campus Ecology
18-Jul-08	Chico State is Top Green	<i>Chico Enterprise Record</i>	Chill Out
21-Jul-08	Sustainability Efforts Campus Wide	<i>Purdue Website</i>	Business Case
23-Jul-08	Campus Environment 2008 Report Card	<i>Education News</i>	Report Card
1-Aug-08	Green Universities Helping to Produce Greener Pastures	<i>The NonProfit Times</i>	Business Case
8-Aug-08	GoGreenTube.com Eyes Global Environmental Community, YouTube style	<i>Green.TMCnet.com</i>	Chill Out
18-Aug-08	Report Card	<i>ACUPCC Update</i>	Report Card
21-Aug-08	Going Green Pays Off for Palo Alto College	<i>mySA.com</i>	Report Card
21-Aug-08	Campus Report Card	<i>WOAI-NBC, San Antonio; WTVW-Fox, Evansville, Ind.</i>	Report Card
21-Aug-08	Baylor Recognized for Green Efforts	<i>KWTX 10, Waco, Texas</i>	Report Card
21-Aug-08	Campus Report Card Grades Green Campuses	<i>FSU News (Florida State University Newspaper)</i>	Report Card
21-Aug-08	Colleges Get Greener in Operations, But Not in Teaching	<i>The Chronicle of Higher Education</i>	Report Card
21-Aug-08	DePauw's Sustainability Efforts Recognized by NWF	<i>DePauw</i>	Report Card
21-Aug-08	Four CNY Campuses Praised for Being Green	<i>Syracuse.com</i>	Report Card
21-Aug-08	Harvard Reclaims Top Spot in Latest U.S. News List	<i>San Diego Union-Tribune</i>	Report Card
21-Aug-08	Harvard Reclaims Top Spot in Latest U.S. News List	<i>CBS2 Chicago</i>	Report Card
21-Aug-08	Harvard Reclaims Top Spot in Latest U.S. News List	<i>AP</i>	Report Card
21-Aug-08	Carolinas Colleges Get Green Cred	<i>The Charlotte Observer</i>	Report Card

21-Aug-08	Local Campuses Noted for Green Programs by Conservation Group	<i>Madison.com</i>	Report Card
21-Aug-08	MSU Gets Good Grades for Being Green	<i>Lansing State Journal</i>	Report Card
21-Aug-08	MSU Honored by NWF for Sustainability Efforts	<i>Michigan State University</i>	Report Card
21-Aug-08	NWF Grades Green Campuses	<i>Uwire</i>	Report Card
21-Aug-08	San Antonio College Ranks in Survey	<i>WOAI- NBC, San Antonio</i>	Report Card
21-Aug-08	National Report Card on Sustainability in Higher Ed	<i>NACUBO.org</i>	Report Card
21-Aug-08	Tech Sustainability Efforts Recognized by National Wildlife Federation	<i>gatech.edu</i>	Report Card
21-Aug-08	Willamette University Called Exemplary By National Sustainability Report	<i>CollegeNews.org</i>	Report Card
21-Aug-08	Universities Are More Green. Sort of	<i>U.S. News and World Report</i>	Report Card
21-Aug-08	NWF Guide to Climate Action Planning	<i>AASHE Bulletin</i>	CAP Guide
22-Aug-08	4 CNY Colleges Lauded By Wildlife Organization	<i>syracuse.com</i>	Report Card
22-Aug-08	Campuses Greener, Not Curriculums	<i>The Advocate</i>	Report Card
22-Aug-08	Colleges Earn Kudos for Sustainability Efforts	<i>Greater Fort Wayne Business Weekly</i>	Report Card
22-Aug-08	Cornell, SU on List of Top U.S. Colleges	<i>WSYR 9, Syracuse, New York</i>	Report Card
22-Aug-08	D.CCC Receives Green Recognition	<i>The Dispatch</i>	Report Card
22-Aug-08	Green Report Lauds Rowan Efforts	<i>Gloucester County Times</i>	Report Card
22-Aug-08	Harvard Reclaims Top Spot in Latest U.S. News List	<i>WTOP News, Washington, D.C.</i>	Report Card
22-Aug-08	Harvard Reclaims Top Spot in Latest U.S. News List	<i>KATU 2, Portland, Ore.</i>	Report Card
22-Aug-08	Harvard Reclaims Top Spot in Latest U.S. News List	<i>Phoenixville News</i>	Report Card

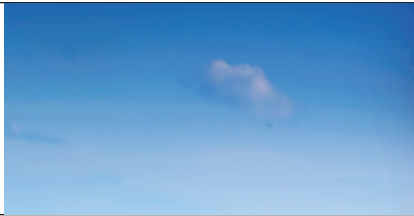
22-Aug-08	Harvard Reclaims Top Spot in Latest U.S. News List	<i>CNN</i>	Report Card
22-Aug-08	Higher Education Notes	<i>StatesmanJournal.com</i>	Report Card
22-Aug-08	Higher Education Notes	<i>Austin American-Statesman</i>	Report Card
22-Aug-08	Magazine Ranks UC Berkeley as Top Public University	<i>The Union</i>	Report Card
22-Aug-08	MSU Honored by NWF for Sustainability Efforts	<i>USAG Net</i>	Report Card
22-Aug-08	MSU Honored by NWF for Sustainability Efforts	<i>MediaNewswire</i>	Report Card
22-Aug-08	MSU Honored by NWF for Sustainability Efforts	<i>Wisconsin Ag Connection</i>	Report Card
22-Aug-08	NWF Recognizes DePauw's Green Efforts	<i>Inside Indiana Business</i>	Report Card
22-Aug-08	NWF Releases Survey	<i>WTVW-Fox, Evansville, Ind.</i>	Report Card
22-Aug-08	KU Gets Incomplete on Green Report Card	<i>LJWorld.com</i>	Report Card
22-Aug-08	Rowan Lauded for Green Report	<i>NJ.com</i>	Report Card
22-Aug-08	Rowan Lauded for Green Report	<i>Today's Sunbeam</i>	Report Card
22-Aug-08	Two Local Colleges Make the Grade in Indiana Green Ranking	<i>The Truth</i>	Report Card
22-Aug-08	UTEP Recognized for Sustainability Efforts	<i>El Paso Times</i>	Report Card
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>U.S. Politics Today</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Yahoo Financial News</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>TecTrends</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Las Vegas Business Press</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Dallas News Website</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>PublicityInsider.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Texas Cable News (TXCN.com)</i>	Chill Out

22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>WFAA 8 Website, Dallas-Fort Worth</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Statesman.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>AZCentral.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>The Hollywood Reporter Website</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>The Press-Enterprise Website</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>The Seattle Post-Intelligencer Website</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Consumer Electronics Net Website</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Technology Today</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Sys-Con Media</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>StreetInsider.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>RCR Wireless News</i>	Chill Out



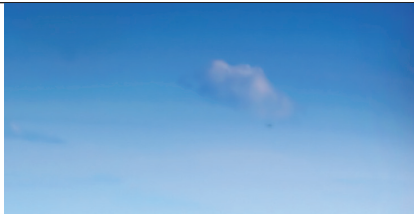
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Reuters.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>The Los Angeles Times</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Macroworld Investor Website</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Media Industry Today</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Bolsamania.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Downloads-Portal.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>The Earth Times</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>E-Releases.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Forbes.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Hoovers.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>The Houston Chronicle</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>InterestAlert.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>InboxRobot.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>IT Industry Today</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>The Energy Daily</i>	Chill Out

22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>Banker &amp; Tradesman Website</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>WTKR News, Hampton Roads, N.C.</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>WDBJ Roanoke News</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>WRIC Richmond News</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>WTVR-CBS6, Richmond, Va.</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>KRON 4, San Francisco</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>PR Newswire</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>BetaNews.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>BizJournals.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>ArkLAtexHomepage.com</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>SocialMediaPortal.com</i>	Chill Out



22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>The Wall Street Journal</i>	Chill Out
22-Aug-08	GoGreenTube.com to Replace YouTube in Hosting NWF's Environmental Chill Out Contest	<i>NewsBlaze</i>	Chill Out
23-Aug-08	Harvard Reclaims Top Spot in Latest US News List	<i>Phoenixville News</i>	Report Card
23-Aug-08	National Wildlife Honors Georgia Tech for Sustainability	<i>Georgia Front Page</i>	Report Card
23-Aug-08	UVA Graded on Green Programs	<i>The Cavalier Daily (University of Virginia Newspaper)</i>	Report Card
23-Aug-08	UW Campus Joins Trend Toward Going Green	<i>Wyoming Tribune Eagle</i>	Report Card
23-Aug-08	UTEP Earns Kudos For Plan to Save Energy	<i>El Paso Times</i>	Report Card
23-Aug-08	Willamette University Rewarded for Sustainability	<i>Oregon Public Broad.Casting</i>	Report Card
24-Aug-08	US Colleges Green Grade: C-	<i>Time</i>	Report Card
25-Aug-08	Baylor's Sustainability Initiatives Recognized by NWF	<i>Baylor.com</i>	Report Card
25-Aug-08	Campuses Give Green That Old College Try	<i>Philadelphia Daily News</i>	Report Card
25-Aug-08	Campuses Give Green That Old College Try	<i>Philadelphia Inquirer</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>KOTA Territory News</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>BizJournals.com</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>Cincinnati Business Courier</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>Nashville Business Journal</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>News Blaze</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>Columbus Business First</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>Atlanta Business Chronicle</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>San Francisco Business Times</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>Calibre MacroWorld</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>Earth Times</i>	Report Card

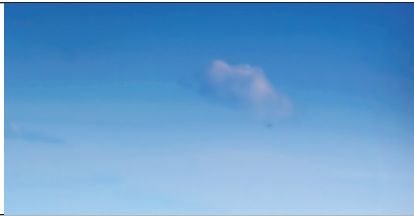
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>The Houston Chronicle</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>TickerTech.com</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>Breitbart.com</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>The Wall Street Journal</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>San Antonio Business Journal</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>Phoenix Business Journal</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>Portland Business Journal</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>KATC, Lafayette, La.</i>	Report Card
25-Aug-08	College Stores Often Sustainability Leaders of Campus	<i>TickerTech.com</i>	Report Card
25-Aug-08	Congress Addresses Sustainability Issues	<i>UNO Gateway</i>	Report Card
25-Aug-08	It's Not Easy Being Green	<i>UNO Gateway</i>	Report Card
25-Aug-08	KU Really is Green, School Official Says	<i>The Wichita Eagle</i>	Report Card
25-Aug-08	NWF Recognizes Institute's Campus Sustainability Efforts	<i>The Whistle (Georgia Tech Faculty/ Staff Newspaper)</i>	Report Card
26-Aug-08	Campuses Give Green That Old College Try	<i>Philly.com</i>	Report Card
26-Aug-08	New Report Card Shows Campuses Going Greener	<i>Newswise</i>	Report Card
27-Aug-08	Campus Bike Use Doubles, Reduces Lot Permits	<i>The State News</i>	Report Card
27-Aug-08	Earlham Ranks High in Environmental Sustainability	<i>Pal Item</i>	Report Card



27-Aug-08	New Report Card Shows Campuses Going Greener	<i>Yubanet</i>	Report Card
27-Aug-08	University Lacks a Green Thumb	<i>The Shorthorn</i>	Report Card
27-Aug-08	Campus Among Top 10 Green Colleges	<i>The Orion</i>	Chill Out
28-Aug-08	New Report Card Shows Campuses Going Greener	<i>Science Daily</i>	Report Card
4-Sep-08	It's Not Easy Being Green	<i>Inside Higher Ed</i>	Report Card
8-Sep-08	New Report on Climate Action Planning	<i>ACUPCC Update</i>	Report Card
9-Sep-08	More Colleges Are Practicing than Teaching Green	<i>Plenty Magazine</i>	Report Card
16-Sep-08	Goody for U: 15 Creative Ways that Students and Colleges Are Going Greener	<i>Grist</i>	Campus Ecology
24-Sep-08	Report Finds Decline in Teaching Green	<i>The Brown Daily Herald</i>	Report Card
28-Sep-08	Non-Partisan Group Makes Environment a Priority	<i>Michigan Daily (University of Michigan Newspaper)</i>	Power Vote
29-Sep-08	Attention Students: Make a Difference Through NWF and GoGreenTube's Chill Out Contest	<i>My Climate Minute (Carbonfund.org Newsletter)</i>	Chill Out
2-Oct-08	Calling All Filmers: Time to Chill Out with NWF and GoGreenTube	<i>Greenlivingideas.com</i>	Chill Out
7-Oct-08	Dot Earthers Face to Face	<i>New York Times Website</i>	Campus Ecology
8-Oct-08	NWF: College Students Not Environmentally Progressive	<i>Sustainability: The Journal of Record</i>	Report Card
10-Oct-08	Greening Campuses, But Not Classrooms	<i>GreenBiz.com</i>	Report Card
23-Oct-08	ARAMARK Delivers Sustainable Practices on Campuses	<i>Forbes.com</i>	Campus Ecology
23-Oct-08	Campus Sustainability Day Celebrates Environmental Stewardship	<i>HappyNews.com</i>	Report Card
27-Oct-08	Willamette University Sustainability Effort More Than Eco-Friendly	<i>StatesmanJournal.com</i>	Report Card
8-Nov-08	New Green Ratings Differ in Their Measure of Sustainability on Campus – and Their Usefulness	<i>The Greentree Gazette</i>	Report Card
10-Nov-08	New Report: Guide to Climate Action Planning –Pathways to a Low-Carbon Campus	<i>The Climate Capsule</i>	Guide to CAP
18-Nov-08	NEIU Student Receives Environmental Grant	<i>NEIU Independent</i>	Fellowship
19-Nov-08	Center Pushes for Use of More Slutty Paper	<i>Spartan Daily</i>	Fellowship
20-Nov-08	Environmental Activists Visit TX Politicians	<i>Daily Texan</i>	ReEnergize TX

19-Dec-08	University Featured in NWF Online Case Studies	<i>Waynesburg University Website</i>	Campus Ecology
19-Dec-08	Students Tout Campus Greenness in National Video Competition	<i>Newswise</i>	Chill Out
Sept/Oct 08	Hot Jobs to Chill the Planet	<i>Sierra Magazine</i>	Praween Dayananda

<b>Campus Ecology Media 2009</b>			
<b>Date</b>	<b>Title</b>	<b>Publication</b>	<b>Focus</b>
29-Jan-09	Gideon Burdick Selected as Campus Ecology Fellow	<i>Warren Wilson College E-Newsletter</i>	Fellowship
30-Jan-09	UCF Classes, Activities Going "Green" as Part of National Teach-In	<i>UCF Newsroom (University of Central Florida)</i>	National Teach-In
30-Jan-09	UTC Joins The National Teach-In	<i>The Chattanooga (University of Tennessee)</i>	National Teach-In
30-Jan-09	Just Is Sustainability Teach-in Panel Member Feb. 5	<i>The University of Iowa</i>	National Teach-In
1-Feb-09	National Teach-In on Global Warming, February 5th. Many Washington State Schools Participating	<i>The Seattle Post-Intelligencer</i>	National Teach-In
1-Feb-09	"Focus Skidmore" Events to Be Part of National Teach-in	<i>The Saratogian</i>	National Teach-In
1-Feb-09	National Teach-In on Global Warming, February 5. Many Washington State Schools Participating	<i>Green Human</i>	National Teach-In
2-Feb-09	Knox College Part of National Environmental "Teach-In"	<i>The Register Mail</i>	National Teach-In
2-Feb-09	Knox Joins National Teach-In on Global Warming, February 4-5	<i>Quad Cities Online</i>	National Teach-In
2-Feb-09	CCC Holds National Teach-In on Global Warming	<i>CBS Eyewitness News 9</i>	National Teach-In



2-Feb-09	NYU Professors Participate in National Teach-In for Climate Change, Feb. 5	<i>NYU Office of Public Affairs Media Advisory</i>	National Teach-In
3-Feb-09	National Teach-In: Climate Change: What Should Fairfield U Do?	<i>CT Environmental Headlines</i>	National Teach-In
3-Feb-09	Environmental Artists to Gather for National Teach-In on Global Warming – February 5	<i>CW Post Campus (Long Island University)</i>	National Teach-In
3-Feb-09	Community and Students Debate Solutions at Global Warming Teach-In	<i>The Oregonian</i>	National Teach-In
3-Feb-09	Campuses Nationwide Stage Teach-In on Global Warming	<i>Climate Ark</i>	National Teach-In
3-Feb-09	OU Begins Green “Teach-In”	<i>The Oklahoman</i>	National Teach-In
3-Feb-09	Campuses Nationwide Stage Teach-In on Global Warming	<i>Eco Earth</i>	National Teach-In
3-Feb-09	Mount Holyoke College Takes Part in National Teach-In on Global Warming	<i>Amherst Area Chamber of Commerce</i>	National Teach-In
3-Feb-09	Campuses Nationwide Stage Teach-In on Global Warming	<i>Newswise</i>	National Teach-In
4-Feb-09	National Teach-In on Global Warming Encourages Campus Dialogue at UA	<i>The University of Alabama</i>	National Teach-In
4-Feb-09	National Teach-In on Global Warming Solutions, Feb. 4-5	<i>Seattle University</i>	National Teach-In
4-Feb-09	National Teach-In On Global Warming	<i>Fitchburg State College</i>	National Teach-In
4-Feb-09	Teach-In to Highlight Regional Impact of Global Warming	<i>Drexel University</i>	National Teach-In
4-Feb-09	IU Taking Part in Climate “Teach-In”	<i>Herald Times Online</i>	National Teach-In
4-Feb-09	National Teach-In On Global Warming	<i>Worcester Magazine</i>	National Teach-In
4-Feb-09	UW Oshkosh Names Director of Sustainability	<i>NBC26 - Green Bay, Wis.</i>	Campus Ecology
4-Feb-09	National Teach-In: Solutions for the First 100 Days	<i>Sunapee News</i>	National Teach-In
4-Feb-09	Experts and Students Consider Environmental Solutions at National Teach-In	<i>The Shorthorn (University of Texas at Arlington)</i>	National Teach-In
5-Feb-09	National Teach-In on Global Warming at TCNJ	<i>Green31.net (The College of New Jersey)</i>	National Teach-In
5-Feb-09	Lewis & Clark Teach-In: Solutions for the First 100 Days	<i>Lewis &amp; Clark College</i>	National Teach-In

5-Feb-09	The National Teach-In	<i>Missouri State University</i>	National Teach-In
5-Feb-09	IU Seniors Join Effort Against Global Warming	<i>Indiana Daily Student</i>	National Teach-In
5-Feb-09	Eban Goodstein and Bard Working to Catalyze the Clean Energy Revolution	<i>Bard College</i>	National Teach-In
5-Feb-09	National Teach-In on Global Warming Solutions	<i>Alternatives for Community &amp; Environment Calendar</i>	National Teach-In
5-Feb-09	DePauw Readies for Focus the Nation 2009	<i>DePauw University</i>	National Teach-In
5-Feb-09	College to Participate in National Teach-In	<i>The Ithacan</i>	National Teach-In
5-Feb-09	US Campuses Stage Teach-In on Global Warming	<i>Organic Authority</i>	National Teach-In
5-Feb-09	WPI to Participate in National Teach-In on Global Warming	<i>Worcester Polytechnic Institute</i>	National Teach-In
5-Feb-09	National Teach-In on Global Warming Solutions – February 5, 2009	<i>Brown University</i>	National Teach-In
5-Feb-09	National Global Warming Teach-In Today	<i>Ozarks First</i>	National Teach-In
5-Feb-09	Global Warming Teach-In to Focus on Green Tactics	<i>The Daily Orange (Syracuse University)</i>	National Teach-In
5-Feb-09	National Teach-In Offers Insights on Global Warming	<i>The Crimson White</i>	National Teach-In
5-Feb-09	Smith Participates in Global Warming Teach-In	<i>The Sophian</i>	National Teach-In
5-Feb-09	Announcement	<i>Bloomsburg (University of Pennsylvania)</i>	National Teach-In
5-Feb-09	U.S. Campuses Stage Teach-In on Global Warming	<i>Organic Authority</i>	National Teach-In
6-Feb-09	Markey Puts Brandeis Students In Chairman's Seat in Global Warming Video		National Teach-In



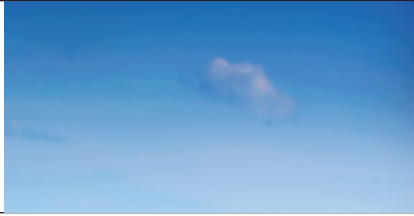
6-Feb-09	Corvallis, Albany Mayors Share Enviro Interests	<i>Gazette Times</i>	National Teach-In
6-Feb-09	Drexel Hosts National Teach-In	<i>The Triangle</i>	National Teach-In
6-Feb-09	Onondaga Community College Participates in National Teach-In for Global Warming	<i>Central New York Business News</i>	National Teach-In
6-Feb-09	National Teach-In for Climate Solutions: Update from Whitman College	<i>1SKY Blog</i>	National Teach-In
6-Feb-09	Universities Hold National Teach-In on Global Warming	<i>Grist</i>	National Teach-In
8-Feb-09	The Teach Environment In	<i>Environmental Thoughts</i>	National Teach-In
9-Feb-09	National Teach-In Events Fuel Campus Discussion	<i>Colgate University Blog</i>	National Teach-In
26-Feb-09	Wake Up!	<i>KHSL-CBS, Chico, Calif., 5:30am News</i>	Chill Out
26-Feb-09	Wake Up!	<i>KHSL-CBS, Chico, Calif., 6am News</i>	Chill Out
26-Feb-09	NWF Gets PurePowered	<i>Pure Power Blog</i>	Chill Out
16-Mar-09	Warren Wilson Student Earns \$13K in Grants	<i>Asheville Citizen Times</i>	Fellowship
27-Mar-09	Sign Up for the 2009 Chill Out Webcast	<i>Environmental Librarian's Blog</i>	Chill Out
31-Mar-09	Chill Out Webcast	<i>AYEA News</i>	Chill Out
1-Apr-09	Guide Helps Colleges	<i>National Wildlife Magazine</i>	CAP Guide
1-Apr-09	Bring Climate Change Education to Your Campus w/NWF's Chill Out	<i>Planet Green</i>	Chill Out
1-Apr-09	NWF Chill Out	<i>Alisa Reyes Website</i>	Chill Out
1-Apr-09	RMI Takes the Next in Campus Sustainability	<i>Rocky Mountain Institute</i>	Chill Out
2-Apr-09	UWRF Graduate Receives National Fellowship	<i>Student Voice (University of Wisconsin-River Falls Newspaper)</i>	Fellowship
2-Apr-09	New Class Envisions Greener Truman Campus	<i>Truman Campus Newspaper</i>	Fellowship
3-Apr-09	NWF Celebrates Chill Out	<i>Sustainability Digest</i>	Chill Out
3-Apr-09	NWF Celebrates Chill Out	<i>CleanTech GreenTech Website</i>	Chill Out
3-Apr-09	NWF Celebrates Chill Out	<i>DailyMe</i>	Chill Out
8-Apr-09	Oberlin Wins NWF Chill Out Award	<i>Oberlin College Website</i>	Chill Out
9-Apr-09	HSU Wins NWF Award	<i>The Times-Standard</i>	Chill Out
9-Apr-09	HSU Wins NWF Award	<i>The Willits News</i>	Chill Out

10-Apr-09	Longwood Earns NWF Video Award for Sustainability Efforts	<i>Longwood University Website</i>	Chill Out
13-Apr-09	Colleges Win Award for Campus Innovations	<i>Climate Capsule</i>	Chill Out
14-Apr-09	Tune Into NWF's Chill Out on April 15!	<i>NWF Wildlife Promise Blog</i>	Chill Out
14-Apr-09	Earth Day – Promoting the Green Generation	<i>Rhodes University Blog</i>	Chill Out
14-Apr-09	Tune Into NWF's Chill Out on April 15!	<i>Cash for Critters Blog</i>	Chill Out
15-Apr-09	CSU Wins National Award for Chilling Out	<i>CSU Website</i>	Chill Out
15-Apr-09	Creation Care Council – Chill Out	<i>Eastern Mennonite University Website</i>	Chill Out
15-Apr-09	CSUN Wins Award from NWF for Campus Climate Innovations	<i>Cal State University Northridge Website</i>	Chill Out
15-Apr-09	Oberlin Wins Second NWF Chill Out Award	<i>Lorain County</i>	Chill Out
15-Apr-09	NWF Announces Its Chill Out Winners	<i>The Chronicle of Higher Education</i>	Chill Out
15-Apr-09	CSU Wins National Award for Chilling Out	<i>Distributed Energy Website</i>	Chill Out
16-Apr-09	NWF Honors Middlebury for Carbon Reduction Efforts	<i>Middlebury College Website</i>	Chill Out
16-Apr-09	Eight US Colleges Win National Award for Campus Climate Innovations	<i>YubaNet.com</i>	Chill Out
17-Apr-09	How to Green Your Band's Tour with The Steps	<i>Planet Green</i>	Chill Out
17-Apr-09	Longwood's Sustainability Efforts Recognized by NWF	<i>The Southside Messenger</i>	Chill Out
18-Apr-09	UCSD Video Wins NWF Chill Out Contest	<i>UC San Diego Website</i>	Chill Out
18-Apr-09	UCSD Video Wins NWF Chill Out Contest	<i>Imperial Valley News</i>	Chill Out



19-Apr-09	Doan Campus Recognized as Wildlife Habitat	<i>Journal Star</i>	NWF
20-Apr-09	HSU's Jack Pass Wins Award	<i>KIEM-NBC, 11pm News, Eureka, Calif.</i>	Chill Out
21-Apr-09	Middlebury Recognized for Campus Innovations	<i>Burlington Free Press</i>	Chill Out
21-Apr-09	Oberlin Wins National Award for Campus Climate Innovations	<i>U.S. Ag Net</i>	Chill Out
22-Apr-09	College Honored for Ecology Efforts	<i>Rutland Herald</i>	Chill Out
10-May-09	Students, Faculty Design Green Way to Absorb Power	<i>Daily News</i>	Chill Out
1-Jun-09	National Spotlight on Campus Action	<i>National Wildlife Magazine</i>	Teach In, Power Shift, Chill Out
15-Jun-09	BridgeBuilder Brings Real Time Energy Monitoring to WWC	<i>Catalyst Newsletter (Environmental Leadership Center of Warren Wilson College)</i>	Fellowship
19-Jul-09	"Chihuahua" Leads the Pack at Kudos	<i>Variety</i>	Chill Out
20-Aug-09	Sierra Cool Schools	<i>Sierra Club Magazine</i>	Carly Queen
7-Oct-09	Power Shift Energy Conference This Weekend in Lansing	<i>Central Michigan Life</i>	MI Power Shift
8-Oct-09	Youth Unite for Green Summit in Lansing	<i>The Detroit News</i>	MI Power Shift
11-Oct-09	Music, Youth Join to Support Green Jobs	<i>The State News</i>	MI Power Shift
19-Oct-09	MSU Receives B Grade for Sustainability	<i>The State News</i>	Report Card
17-Nov-09	Generation E	<i>Climate Capsule</i>	Generation E
18-Nov-09	Innovative Countries, Energized Campuses	<i>Dot Earth Blog, New York Times</i>	Generation E
18-Nov-09	35 Field-Tested Projects for Campus Sustainability	<i>Sustainability Is Sexy Blog</i>	Generation E
18-Nov-09	Leading Environmental Group Includes UNH in List of Top Green Schools	<i>University of North Dakota Press Room</i>	Generation E
18-Nov-09	Generation E Reporting Campus Sustainability Leadership for the Next Generations	<i>News Blaze</i>	Generation E
18-Nov-09	Student Interest in Sustainability Rises, Despite Lack of Curricular Support	<i>The Chronicle of Higher Education</i>	Generation E
18-Nov-09	Stetson Carbon Audit Earns Recognition	<i>Orlando Business Journal</i>	Generation E

19-Nov-09	New Report Shows How Students Can Go Green	<i>The Maine Campus</i>	Generation E
19-Nov-09	Stetson Carbon Audit Earns Recognition	<i>San Francisco Business Times</i>	Generation E
19-Nov-09	Sustainability Efforts at Cabrillo, UCSC Highlighted in NWF Report	<i>The Oakland Tribune</i>	Generation E
19-Nov-09	UCF Student-Led Green Projects Get National Shout-Out	<i>BiobasedNews.com</i>	Generation E
19-Nov-09	UCF Student-Led Green Projects Get National Shout-Out	<i>UCF Newsroom</i>	Generation E
19-Nov-09	Generation E Report Details Student On-Campus Sustainability Efforts	<i>Nelson News</i>	Generation E
19-Nov-09	Sustainability Efforts at Cabrillo, UCSC Highlighted in NWF Report	<i>Whittier Daily News</i>	Generation E
19-Nov-09	Sustainability Efforts at Cabrillo, UCSC Highlighted in NWF Report	<i>Pasadena Star-News</i>	Generation E
19-Nov-09	Sustainability Efforts at Cabrillo, UCSC Highlighted in NWF Report	<i>Santa Cruz Sentinel</i>	Generation E
19-Nov-09	National Report Studies Campus Sustainability	<i>The Spectator (University of Wisconsin Newspaper)</i>	Generation E
19-Nov-09	University Noted in National Environmental Progress Report	<i>Diamondback Online (University of Maryland Newspaper)</i>	Generation E
20-Nov-09	E for an Environmental Generation	<i>University Business Magazine</i>	Generation E
20-Nov-09	Student-Led Green Projects Get National Shout-Out	<i>University of Central Florida Today</i>	Generation E
23-Nov-09	Ideas from Generation E	<i>ACUHO-I News Blog</i>	Generation E
23-Nov-09	Outreach to Congress for Generation E	<i>Email (Outreach to Congress)</i>	Generation E
23-Nov-09	Report: Generation E Emerges in Organic Farm on Nevada Campus	<i>Public News Service</i>	Generation E
23-Nov-09	Generation E	<i>Climate Capsule</i>	Generation E
23-Nov-09	Generation E Emerges on College Campuses in Idaho	<i>Public Radio Idaho (37 stations ran story, 34 more than once)</i>	Generation E



23-Nov-09	Generation E Emerges on College Campuses in Idaho	<i>Other Outlets (7 stations picked up story from public radio)</i>	Generation E
23-Nov-09	Generation E Emerges on College Campuses in New York and Nation	<i>Public Radio N.Y. (50 stations ran story, 7 more than once)</i>	Generation E
23-Nov-09	Generation E Emerges on College Campuses in New York and Nation	<i>Other Outlets (22 stations picked up story from public radio)</i>	Generation E
23-Nov-09	Generation E Emerges on College Campuses in Nevada	<i>Public Radio Nevada (10 stations ran story, 4 more than once)</i>	Generation E
23-Nov-09	Generation E Emerges on College Campuses in Nevada	<i>Other Outlets (26 stations picked up story from public radio)</i>	Generation E
23-Nov-09	Generation E Emerges on College Campuses in Montana	<i>Public Radio Montana (60 stations ran story, 51 more than once)</i>	Generation E
23-Nov-09	Generation E Emerges on College Campuses in Montana	<i>Other Outlets (3 stations picked up story from public radio)</i>	Generation E
23-Nov-09	Generation E Emerges on Arizona College Campuses	<i>Public Radio Ariz. (15 stations ran story, 15 more than once)</i>	Generation E
23-Nov-09	Generation E Emerges on Arizona College Campuses	<i>Other Outlets (6 stations picked up story from public radio)</i>	Generation E
23-Nov-09	Generation E Emerges on College Campuses in Tennessee	<i>Public Radio Tenn. (29 stations ran story, 14 more than once)</i>	Generation E
23-Nov-09	Generation E Emerges on College Campuses in Tennessee	<i>Other Outlets (51 stations picked up story from public radio)</i>	Generation E
23-Nov-09	Generation E Emerges on College Campuses in Tennessee	<i>Public News Service</i>	Generation E
24-Nov-09	Generation E Emerges on College Campuses in Pennsylvania	<i>Public Radio Penn. (13 stations ran story, 7 more than once)</i>	Generation E
24-Nov-09	Generation E Emerges on College Campuses in Pennsylvania	<i>Other Outlets (5 stations picked up story from public radio)</i>	Generation E
24-Nov-09	Generation E Emerges on College Campuses in Iowa	<i>Public Radio Iowa (39 stations ran story, 31 more than once)</i>	Generation E
24-Nov-09	Generation E Emerges on College Campuses in Iowa	<i>Other Outlets (16 stations picked up story from public radio)</i>	Generation E
24-Nov-09	Generation E Emerges on College Campuses in South Dakota	<i>Public Radio South Dakota (48 stations ran story, 19 more than once)</i>	Generation E

24-Nov-09	Generation E Emerges on College Campuses in South Dakota	<i>Other Outlets (8 stations picked up story from public radio)</i>	Generation E
24-Nov-09	Generation E Emerges on College Campuses in California	<i>Public Radio Calif. (17 stations ran story, 9 more than once)</i>	Generation E
24-Nov-09	Generation E Emerges on College Campuses in California	<i>Other Outlets (7 stations picked up story from public radio)</i>	Generation E
24-Nov-09	Generation E Emerges on College Campuses in North Dakota	<i>Public Radio North Dakota (18 stations ran story, 10 more than once)</i>	Generation E
24-Nov-09	Generation E Emerges on College Campuses in North Dakota	<i>Other Outlets (2 stations picked up story from public radio)</i>	Generation E
25-Nov-09	Generation E is Leading Campus Sustainability Revolution	<i>Forest Justice Blog</i>	Generation E
27-Nov-09	Students of Gen E Making Campuses Greener	<i>Pittsburgh Post-Gazette</i>	Generation E
30-Nov-09	Generation E Lives Green on Oregon college campuses	<i>Public News Service</i>	Generation E
30-Nov-09	Drury Featured in NWF Study	<i>News-Leader.com</i>	Generation E
30-Nov-09	Generation E Lives Green on Oregon College Campuses	<i>Public Radio Ore. (33 stations ran story, 22 more than once)</i>	Generation E
30-Nov-09	Generation E Lives Green on Oregon College Campuses	<i>Other Outlets (77 stations picked up story from public radio)</i>	Generation E
30-Nov-09	Enrollment Increases Among Chadron State Achievements	<i>The Chadron Record</i>	Generation E
1-Dec-09	HACU-Member Institutions Featured in Report	<i>Hispanic Association of Colleges and Universities Website</i>	Generation E
2-Dec-09	New Free Guide Offers Practical Advice for Reducing Campus Emissions	<i>Campus Technology</i>	Campus Ecology
4-Dec-09	National Wildlife Federation Study Praises Furman University Sustainability Projects	<i>GreenvilleOnline.com</i>	Generation E
7-Dec-09	Study Shows US College Students Active in Promoting Sustainability	<i>Voice of America</i>	Generation E



## APPENDIX E: CHRONOLOGY OF EVENTS, 2007–2009

### **December 9-14, 2009: COP15 United Nations Climate Change Conference, Copenhagen, Denmark**

Carly Queen represented the Georgia Youth Delegation at the U.N. Climate Conference. She participated in the following events and panel discussions: “Taking Action at Home” with EPA Administrator Lisa Jackson, “Smart Grid for Saving Energy and Protecting the Environment: The Role of Regulation,” “Sustainable Living or Sustainable Building,” “Intergenerational Inquiry on Climate Solutions,” “Recognizing and Protecting Human Rights within the Copenhagen Agreement,” “The Development Agenda for Clean Energy and Transfer of Technologies,” “Mitigating Climate Change: Capturing Carbon Underground, in Soil and in Plants,” “Connecting Biodiversity, Climate Change Mitigation and Adaptation,” “REDD and the Amazon Forest Guardians: Indigenous Peoples from Ecuador, Colombia and Bolivia Engage,” “Alternative Energy Programmes for the Least Developed and Developing World,” “Leading in Energy Efficiency and Renewables,” with Secretary of Energy Steven Chu, “200 NGOs in Africa and Asia Working for Sustainable Energy,” “Cities, Population Dynamics and Climate Change” and “Driving Sustainability: The Automobile Industry and CO<sub>2</sub>.” She also participated in the China-U.S. Youth workshop “Our Shared Future” and attended the related press conference.

### **December 4-6, 2009: BuildINSULATE! Weatherization Workshop, Asheville, NC**

Participants learned about the successful launch of Warren Wilson College’s volunteer weatherization program INSULATE! and the Project Energize Coalition with local community organizations. Attended by 14 representatives of campus and community organizations (Carly Queen represented NWF), the workshop included an introduction to the principles of building science, home weatherization techniques, discussion of best practices and next steps for keeping in touch and expanding the project across the nation.

### **November 17, 2009: ReEnergize Houston Campus Climate Summit, Houston, TX**

Praween Dayananda, campus field coordinator, played a key organizing role in the first ReEnergize Houston summit which drew 25+ students, faculty and sustainability professionals from Houston-area campuses and organizations. Attendees shared their progress on campus sustainability issues and the summit resulted in participants agreeing to establish a local network that would meet monthly.

### **November 6-8, 2009: Ohio Power Shift Summit, Oberlin, OH**

One of 11 Power Shift Summits held throughout the country, PS Ohio was the largest climate movement to take place in Ohio’s history. Over 350 students, youth and climate activists participated in workshops, including sustainability, no-coal campaigns, “The Road to Copenhagen,” environmental justice, and community organizing. Speakers included Ohio Secretary of State Jennifer Brunner, Lieutenant Governor Lee Fisher and Elizabeth Kucinich. Juli Goodlaw-Morris, NWF campus field coordinator, played a major organizing role in the summit, sat on a campus sustainability panel and helped with the breakout discussion.

### **October 28, 2009: North Central Texas Campus Climate Summit, Arlington, TX**

Over 50 faculty, students, staff and administrators from 15 Dallas-Fort Worth-area universities convened at the University of Texas, Arlington to share ideas, best practices and resources to accelerate climate change and sustainability solutions. They discussed: transforming the curriculum to address ecoliteracy, green workforce development, and comprehensive greening of campus operations. Praween Dayananda and Lisa Madry, NWF campus field director, represented NWF.

### **October 23-25, 2009: Florida Power Shift Summit, Orlando, FL**


Organized by NWF and the Southern Energy Network with help from Energy Action Coalition and Grassroots Solutions, this summit drew 200+ and included 50 speakers, workshops, open space, concerts, a 350.org action event, the Operation Free Veteran’s Tour and a clean energy & climate call to action. Carly Queen handled most of the programming, the budget and website; Lisa Madry took care of many onsite logistics; and Juli handled registration.

### **October 19, 2009: Social Media for Sustainability, San Francisco, CA**

Xarissa Holdaway, former NWF campus e-news coordinator, attended this one-day conference focusing on social media as a means to sustainability. Messaging, marketing, communications-based. Attended by 100+ and sponsored by Just Means and Walmart.

### **October 16-18, 2009: Carolinas Power Shift Summit, Chapel Hill, NC**

This summit drew 320 students and included 60 speakers, workshops, open space, concerts and a clean energy & climate call to action. Organized by NWF and Southern Energy Network with help from Energy Action Coalition and Grassroots Solutions, Carly Queen handled most



of the event programming and budget and Lisa Madry handled onsite logistics.

**October 14-17, 2009: Bioneers, San Rafael, CA**

Julian Keniry, NWF senior director of campus and community leadership, led an all-day pre-conference session titled "Education for Action in the Age of Climate Change." Speakers included David Orr, Tony Cortese, Larry Eisenberg, James Buizer and Crystal Durham. The pre-conference session drew more than 80 attendees and the main conference drew approximately 800. Xarissa Holdaway also attended.

**October 9-11, 2009: Michigan Power Shift Summit, Lansing, MI**

Juli Goodlaw-Morris, Praween Dayananda and Kassie Rochbach (of the Forest Justice Campaign) were active participants in this climate action summit of 300 youth activists, students and community members. The weekend featured keynote speeches, community service projects, workshops, a 3-on-3 climate action basketball tournament, a Fair Trade and Green Expo Market, eco-fashion show and a climate action rally. Community service projects generated at the summit included a bike co-op for the city of Lansing and a student-maintained urban garden. Participants also helped launch GreenNation, an organization focusing on social equity through the green movement. Power Shift Michigan received significant media attention.

**October 9-11, 2009: Renewing the Campus, Sustainability and the Catholic University, Notre Dame, IN**

Held at the University of Notre Dame, "Renewing the Campus" was the first conference dedicated to enhancing understanding, activism and cooperation among Catholic universities in the area of sustainability. Over 200 faculty, administrators and students from 45 universities across the country participated.

**September 20-23, 2009: Greening of the Campus Conference, Indianapolis, IN**

This weekend of workshops on climate policy, sustainable food and other campus sustainability topics drew 1,000+ participants. NWF co-organized with AASHE a student summit on Sunday with 125 attending and hosted a half day workshop on green workforce training in partnership with Jobs for the Future. Julian Keniry was a presenter and Kristy Jones, Senior Manager of Campus Ecology, facilitated the workshop. Eight NWF staff attended and presented several workshops. Carly Queen and Jen Fournelle, NWF Campus Ecology Coordinators, attended a session to discuss the possibility of organizing a national campus energy conservation competition. NWF also hosted an exhibit table and distributed information on climate legislation.

**September 12, 2009: Florida A&M University Green Summit, Tallahassee, FL**

Sixty students representing 30 different student organizations at FAMU and Florida State University attended this summit on supporting sustainable events and green initiatives. Carly Queen gave a presentation to participants on Living a Green Lifestyle where she discussed issues of sustainable consumption, activism and advocacy.

**August 22, 2009: Southern Energy and Environment Expo, Asheville, NC**

Thousands from across the Southeast and hundreds of exhibitors convened for this day of workshops, exhibits and information booths. NWF representative Carly Queen participated in several workshops and met with Russ Anderson from Southern Energy Network along with several other sustainable businesses and nonprofit groups.

**August 14-17, 2009: Michigan Student Sustainability Coalition Midwest Training, Traverse City, MI**

This training focused on localized sustainability training and coalition building, including MSSC strategic planning and project training in permaculture, solar installation, weatherization and bike maintenance. Juli Goodlaw-Morris helped the group in looking at the upcoming fall



activities, including Power Shift Michigan and how to strengthen the state's climate movement.

**August 1, 2009: Ripple Institute's 1st Annual SEED Student Career Fair, Atlanta, GA**

Approximately 300 middle and high school students, 150 parents and 20 exhibitors attended this career fair geared toward encouraging students to pursue degrees in science, technology, engineering and math. Carly Queen hosted an NWF exhibit booth and spoke with metro-Atlanta students about the importance of education and environmental conservation.

**July 13-16, 2009: Midwest Climate Action Planning Workshops, University of Wisconsin-Madison, WI, University of Wisconsin-River Falls, WI, Macalaster College, MN and Grinnell College, IA**

Juli Goodlaw-Morris participated in this gathering of 37 colleges and universities from Wisconsin, Minnesota and Iowa. The climate action planning (CAP) workshops addressed the needs of campuses that have signed the ACUPCC and are working to develop a CAP. Evaluations showed the event was highly successful with 98 percent reporting the workshops were very worthwhile and left them with practical skills for reducing greenhouse gas emissions and energized to become involved in UMACS (Upper Midwest Association for Campus Sustainability)

**June 26, 2009: GoGreenExpo, Atlanta, GA**

Carly Queen visited hundreds of booths and networked with numerous other professionals and nonprofit representatives working on sustainability initiatives at this multi-day event attended by thousands.

**June 2-3, 2009: Breaking Through Peer-Learning – Creating Green Pathways: Advancing Lower-Skilled Adults into Green Jobs and Careers, Flint, MI**

Approximately 150 faculty and staff from community colleges around the U.S. convened to discuss training adults in green jobs. Patrick Fitzgerald, NWF director of education advocacy, and Juli Goodlaw-Morris gave a seminar titled "Linking Sustainability and Workforce Development" to a group of 15. The event gave NWF reps a better grasp on workforce development and the greening of many community college curriculums.

**May 11, 2009: Green Today, Jobs Tomorrow, Lansing, MI**

Juli Goodlaw-Morris participated in this conference focused on how community colleges, companies and NGOs can partner on green jobs and how students can prepare for the "jobs of the future." Juli attended several of the 15 breakout sessions including, "Green Training through Partnerships," "Building a Greener Tomorrow," and "Green Jobs Training Program." Approximately 1,400 participants attended.

**April 24-26, 2009: Interdisciplinary Education in the 21st Century, Annandale-on-Hudson, NY**

This conference at Bard College brought together educators from across the world to discuss education projects for creating engaged and aware students who can adapt to challenges and lead the charge to "de-carbonize" the planet. Xarissa Holdaway represented NWF and spoke on a panel about NWF's experience with the National Teach-In.

**April 16, 2009: Global Marine Renewable Energy Conference, Washington, D.C**

This conference highlighted performance results of marine renewable technology demos, evolution of permitting and siting in various countries (primarily Scotland, Ireland and the U.S.), effective financing instruments and public subsidies, understanding and mitigating potential environmental threats, and new marine energy programs at U.S. colleges and universities. Kristy Jones attended as a volunteer.

**April 15, 2009: CHILL OUT: CAMPUS SOLUTIONS TO GLOBAL WARMING, Nationwide**

Colleges and universities nationwide hosted events to view NWF's webcast Chill Out. The webcast showcased the winners of the 2008-2009 Chill Out competition and included many celebrities and many ways to engage.

**Apr 5–7, 2009: Smart and Sustainable Campuses Conference, College Park, MD**

This conference explored emerging strategies for lowering the campus carbon footprint, working towards climate neutrality, and educating students for sustainability. Xarissa Holdaway reported/blogged from the conference and also moderated a panel about media and sustainability attended by reporters from The Washington Post, The Chronicle of Higher Ed, Nature and Treehugger.com.

**March 28, 2009: RE-ENERGIZE TEXAS SUMMIT 2009, Austin, TX**

This youth conference on global warming drew 170 young adults representing over 25 different colleges and universities across Texas. Campus Ecology helped recruit students for the summit, provided support for the website [www.reenergizetexas.org](http://www.reenergizetexas.org) and secured keynote speakers and presenters for workshops. (Pictures and videos available on the website.)



**March 27–28, 2009: Great Lakes Stewardship Conference, Cleveland, OH**

Professors and students from around the Great Lakes gave presentations on Great Lakes-related research and education. Juli Goodlaw-Morris gave a presentation to approximately 15 participants about Campus Ecology and the importance of greenhouse gas inventories and campus action plans. A related campus network is starting to form in the region.

**March 27, 2009: TEXAS REGIONAL ALLIANCE FOR CAMPUS SUSTAINABILITY GATHERING (TRACS), Raleigh, NC**

TRACS was formed at the Fall 2008 Association for the Advancement of Sustainability in Higher Education (AASHE) conference and this gathering represented its first formal meeting. The alliance aims to be a network for students, faculty and administrators working on campus sustainability. Fifty representatives from over 20 campuses attended. Praween Dayananda was a key facilitator for this event.

**February 27–March 2, 2009: POWER SHIFT '09, Washington, D.C**

Launched in 2007, Power Shift has become an ongoing campaign to create strong, comprehensive climate legislation. As an Energy Action Coalition partner and Power Shift sponsor, the entire Campus Ecology team played key roles in the conference from organizing to leading sessions. Conference highlights include:

Participation of 12,000 youth

Keynote addresses from Van Jones, EPA Administrator Lisa Jackson, Secretary of Interior Ken Salazar

Successful launch of NWF's Forest Justice Campaign – 1,500 people signed up for alerts through a text message campaign and more than 50 students crammed into a conference room at the D.C. office for an orientation to the campaign

Students flocked to state-level organizing meetings

**February 5, 2009: First 100 Days: A NATIONAL TEACH-IN, Nationwide**

An estimated 250,000 individuals from 800 schools and organizations across the U.S. and Canada participated in the National Teach-In (formerly Focus the Nation). NWF was an event sponsor, conducting extensive media and campus outreach, co-producing both a campus and faith version of the webcast, "Solutions for the First 100 Days" and helping organize some of the campus events. The teach-in was documented in more than 100 print media outlets (18 national stories, 16 regional, 17 state and 57 campus). The event also garnered more than 30 TV hits in nine states including local and regional NBC, ABC and CBS affiliates.

**January 23–25, 2009: MICHIGAN STUDENT SUSTAINABILITY COALITION (MSSC), Grand Rapids, MI**

Two hundred students from across Michigan convened at Grand Valley State University to discuss and collaborate on sustainability initiatives. Energy Action Coalition's Jessy Tolkan and Grand Rapids' mayor George Heartwell gave keynote addresses and students led a variety of workshops. Juli Goodlaw-Morris hosted an NWF table and talked with 50 students about Power Shift, Campus Ecology and climate work on campuses.

**November 9, 2008: STUDENT SUMMIT AT AASHE CONFERENCE, Raleigh, NC**

Jolea Bryant, former campus field coordinator, co-organized and led this summit of 250 students.

**November 7, 2008: METRO-ATLANTA CLIMATE FORUM, Decatur, GA**

Thirty-five colleges and universities came together at Agnes Scott College to discuss potential collaborations for purchasing renewable energy and offsets and to explore potential partnerships and opportunities for community investment. Campus Ecology's Lisa Madry served as a speaker and facilitator and Jolea Bryant helped organize the event.



**November 2, 2008: PASADENA GREEN SUMMIT, Pasadena, CA**

Over 300 students, faculty and administrators from southern California colleges, universities and high schools attended this follow-on gathering to the Campus Climate Summit held at Cal Poly Pomona in April 2008. Working group discussions focused on initiatives and collaborative projects the Southern California Climate Action Network (SoCalCAN) could undertake to accelerate climate leadership and action in the region. Praween Dayananda was a lead organizer of the event.

**October 28, 2008: ANNUAL MEETING OF JOHNSON CONTROLS, Albany, NY**

Johnson Controls Inc. invited Julian Keniry to deliver the keynote address at an annual meeting of 200 regional (Northeast, Mid-Atlantic, Upper Midwest) staff. She spoke on how campuses are leading for sustainability and needs and opportunities identified in Campus Environment 2008.

**October 22, 2008: CENTRAL TEXAS CAMPUS CLIMATE SUMMIT, Austin, TX**

Co-hosted by the City of Austin, St. Edward's University and Campus Ecology, this summit drew 50 students, faculty and staff from eight central Texas colleges and universities. Participants engaged in dialogue around strategies for achieving substantial greenhouse gas emissions reductions within each institution. The Central Texas Climate Action Network was also formed. Praween Dayananda was the main organizer of this event and helped coordinate all activities from agenda to logistics and recruitment as well as serving as MC.

**October 23–24, 2008: COLLEGIATE ENVIRONMENTAL SUSTAINABILITY, Atlanta, GA**

One hundred fifty participants from southeastern campuses gathered at Spelman College to learn about successful campus sustainability projects and strategies. Campus Ecology helped sponsor the event. Jolea Bryant exhibited and spoke on climate action planning and NWF's Kevin Coyle, VP for education and training, delivered a keynote on the relevance of campus climate leadership.

**October 15, 2008: GREEN INITIATIVES IN PRINT, Los Angeles, CA**

This training at University of California, Los Angeles brought together 200 campus staff and faculty to learn strategies on greening campus print and purchasing operations. Julian Keniry delivered the keynote on the role of higher education in sustainability leadership, climate change as a framework for organizing greening efforts and how purchasing and mail services contribute to solutions.

**October 7, 2008: WARREN WILSON CAMPUS CLIMATE SUMMIT, Asheville, NC**

This Campus Ecology-organized summit led by Jolea Bryant addressed challenges and solutions for carbon reductions on southeastern campuses. Sixty representatives from 30 institutions gathered at Warren Wilson College for a program that included presentations from IPCC scientist Tom Peterson as well as from representatives of ACUPCC and Clean Air-Cool Planet. Julian Keniry delivered the keynote on the case for climate action in higher education.

**October 13-22, 2008: WILL STEGER FOUNDATION CLIMATE SOLUTIONS TOUR**

Eighty students attended Cornerstone University's panel with Grand Rapids mayor George Heartwell, city sustainability manager and Will Steger. Support and Power Vote pledge collection at Calvin College (40 students) and Grand Valley State (50 students).

**September 2008: PV WEEKEND TRAININGS AT UNIVERSITY OF MICHIGAN AND MICHIGAN STATE UNIVERSITY**

Thirty student leaders attended (with Global Exchange & SEAC); 200 pledges collected plus jumpstart successful campaigns.

**September 2008: LANSING COMMUNITY COLLEGE, Lansing, MI**

Meeting with 20 staff to discuss strategies for cutting carbon (presentation) and a second meeting with 20 students to discuss Power Vote and youth climate movement.

**August 2008: ILLINOIS SUSTAINABILITY UNIVERSITIES SYMPOSIUM**

Presentation on climate action plans, sponsored by UI—UC (fellow) and Lt. Gov Pat Quinn. 300 staff, faculty, and students in attendance.



**April 26, 2008: ECONOMICOLGY CONFERENCE, Grand Rapids, MI**

This Wege Foundation-sponsored conference at Aquinas College explored higher education's role in creating a sustainable society. The 68 attendees participated in three sessions that facilitated dialogue between students, faculty and administrators. Former NWF board member Jerome Ringo gave a keynote address on building a diverse, inclusive climate movement. Justin Schott, NWF campus field coordinator, and Energy Action Coalition's Madeline Gardner facilitated a planning session for Power Vote.

**April 24, 2008: SOUTHERN CALIFORNIA CAMPUS CLIMATE SUMMIT, Pomona, CA**

Twenty-two southern California colleges and universities discussed experiences and strategies for quickly and meaningfully reducing their net greenhouse gas emissions. Cal Poly president Michael Ortiz and NWF's vice president for education and training Kevin Coyle briefed participants on the role of higher education in global warming solutions. Breakout sessions addressed the fundamentals of greenhouse gas emission inventories and climate action plans. A key outcome was the formation of the Southern California Climate Action Network (SoCalCAN)

**April 18-19, 2008: CREATING SUSTAINABLE CONNECTIONS CONFERENCE, Decorah, IA**

Justin Schott, former campus field coordinator, helped to plan and recruit participants for this biennial conference by the Upper Midwest Association for Campus Sustainability (UMACS). Thirty workshops covered topics including curricula, campus culture, energy, and sustainable food systems. Justin led a workshop on fostering a culture of climate stewardship with Jim Farrell, director of environmental studies from St. Olaf College. The 31 participants discussed how to encourage and recognize the contribution of people from all departments.

**April 16, 2008: CHILL OUT: CAMPUS SOLUTIONS TO GLOBAL WARMING, Nationwide**

Campus Ecology's 2008 Chill Out competition webcast drew 15,000 viewers, 200 campuses and 150 additional businesses, high schools and individuals.

**April 11-13, 2008: MIDWEST STUDENT CLEAN ENERGY SUMMIT, Madison, WI**

One hundred twenty student leaders from five Midwestern states, six organizers from the Energy Action Coalition and Campus Ecology's Justin Schott participated in a weekend of workshops covering environmental justice, sustainable transportation, green jobs, media strategies and financing for energy efficiency projects. Justin led a workshop on strategies to move campuses toward climate neutrality and facilitated a campaign planning session for the Michigan Student Sustainability Network. Participants also finalized the Midwest Climate Declaration, a platform outlining the vision and solutions of the youth climate movement and established a working group for sharing best practices and planning future programs.

**April 4-6, 2008: THE DREAM REBORN CONFERENCE, Memphis, TN**

Campus Ecology's Jolea Bryant participated in this conference of over 1,000 participants from the U.S. and abroad. Students, nonprofit staffers and other individuals gathered on the 40th anniversary of the assassination of Martin Luther King Jr. to celebrate Dr. King's life and discuss positive solutions for justice, wealth and health for all communities in the growing green economy.



### **April 3-6, 2008: GULF COAST GREEN CONFERENCE, Houston, TX**

Over 1,000 representatives from architecture and building design firms, NGOs, government agencies and municipalities along the Gulf Coast learned about innovative solutions for green building in hot and humid climates. Keynote speakers included bestselling author Jared Diamond and Ira Magaziner, chairman of the Clinton Climate Initiative and the Clinton Foundation HIV/AIDS Initiative. Lisa Madry, Praween Dayananda and Jolea Bryant networked with the American Society of Heating, Refrigerating and Air-Conditioning Engineers, the Clinton Climate Initiative and the American Institute of Architects Committee on the Environment.

### **April 1-2, 2008: SMART AND SUSTAINABLE CAMPUSES CONFERENCE, College Park, MD**

Julian Keniry and Xarissa Holdaway participated in this conference of 300 college and university representatives. Participants discussed their campus sustainability activities and connected with other sustainability officers. Julian presented on the Campus Ecology Report Card and Xarissa live-blogged the event for the Society of College and University Planning Network and Campus Ecology.

### **April 1-2, 2008: 3rd Annual Higher Education and Sustainability in Tennessee Conference, Nashville, TN**

Campus sustainability officers and environmental leaders from across Tennessee discussed the future of sustainability and higher education. One hundred leaders participated in plenary sessions addressing topics such as new approaches to campus sustainability and building sustainability from within existing campus infrastructure. Participants also sat in on concurrent sessions covering campus operations, academics and instruction and energy and CO2 reductions. Jolea Bryant represented NWF and the Campus Ecology team.

### **March 28-30, 2008: SUSTAINABILITY AT CHRISTIAN COLLEGES, Goshen, IN**

NWF and the Energy Action Coalition have been working with tribal, historically black and Christian colleges and universities to ensure diversity in the youth climate movement. Trainings focused on leadership and organizing skills, campaign planning, messaging, working with administrators, and the Campus Climate Challenge. Justin Schott shared his experience working with churches in southern Appalachia on environmental issues and led a workshop on the steps for climate action. Staff also helped students evaluate their current programs and set goals.

### **March 28, 2008: MEETING WITH JENNIFER LYNCH, ENVIRONMENTAL ADVISOR TO GOVERNOR STRICKLAND, Columbus, OH**

Justin Schott and Lauren McMillan organized a lobby meeting between Governor Strickland's environmental advisor and seven representatives from the Ohio Student Environmental Coalition and Energy Action Coalition. Student representatives asked the governor to support a stronger renewable energy standard (which could create thousands of "green collar" jobs) and to encourage presidential candidates to discuss energy and climate solutions for Ohio. Additionally, Lauren secured television coverage for a student rally opposing a new coal-fired power plant in southeast Ohio.

### **March 7-9, 2008: CAMPUS ECOLOGY FELLOWS TRAINING, NWF Headquarters, VA**

Seven Campus Ecology Fellows and two advisors joined NWF Vice President for Education and Training Kevin Coyle, NWF President and CEO Larry Schweiger and the Campus Ecology team for training on project expectations. Justin Schott presented the business case for climate leadership on campus and Julian Keniry facilitated working groups to help students strengthen their projects. Advisors played a key role in the training, providing insight from the administrative side. Both Kevin and Larry talked about NWF and how the Fellowship program fits in with Campus Ecology.

### **February 22-23, 2008: CONSERVATION FEDERATION OF MISSOURI ANNUAL MEETING, Lake of the Ozarks, MO**

The Conservation Federation of Missouri's Conservation Leadership Corps program targets high school and college students dedicated to pursuing conservation careers. Justin Schott gave a presentation to the 30 CLC attendees on global warming science, the impacts on Missouri's natural resources, and the role of student activism in reducing campus emissions. He also helped them draft a resolution calling on Missouri's colleges and universities to reduce their emissions at least two percent per year with a longer term goal of 30 percent by 2020.

### **February 21, 2008: SUSTAINABILITY SUMMIT FOR INDIANA COLLEGES AND UNIVERSITIES, Muncie, IN**

Indiana's first campus sustainability conference drew 72 participants from 14 campuses and seven non-campus organizations and provided a forum for leaders to share successes and network with other campuses, nonprofits and sustainability consultants. Justin Schott gave a panel presentation on climate action plans and discussed cost-effective, energy-saving campus projects. Summit conversations sparked interest in the Campus Climate Champion program.



**February 20, 2008: ST. ANSELM COLLEGE PRESENTATION, Manchester, NH**

Julian Keniry gave the keynote address to 200 students, faculty and staff on the fundamental role of higher education in modeling sustainability for the wider community and on the key role of students and other campus leaders in moving colleges and universities forward.

**February 8-10, 2008: REENERGIZE TEXAS SUMMIT, Austin, TX**

Participants from 28 Texas colleges and universities listened to speakers, attended trainings and worked together to develop climate action plans. The summit also launched the ReEnergize Texas Youth Coalition, a coalition comprised of youth from across Texas committed to sustainable solutions to the climate crisis. Keynote speakers included Austin Mayor Will Wynn, contributing IPCC author Camille Parmesan and Stonyfield Farms CEO Gary Hirshberg. Praween Dayananda recruited students, secured speakers and set up and maintained the event website; Lisa Madry led workshops; and NWF's communications manager Lacy McCormick organized media outreach. The event garnered media coverage in five college newspapers, two local newspapers and TV. The TV spot ran 28 times and reached 150,000 people.

**February 8-10, 2008: 5TH ANNUAL SOUTHEAST STUDENT RENEWABLE ENERGY CONFERENCE, Valdosta, GA**

More than 100 students from southeastern campuses participated in discussions and trainings on building the movement for clean, renewable energy. Speakers, panels and workshops addressed the issues of energy, climate change and environmental justice. Additionally, conference participants marched against "dirty" energy to downtown Valdosta and gave speeches on the steps of City Hall. Jolea Bryant worked on regional coalition building.

**January 30-31, 2008: FOCUS THE NATION, Nationwide**

Focus the Nation engaged over one million students at over 1,800 institutions, creating dialogue with 75 U.S. representatives, as well as senators and governors. Campus Ecology co-produced "The 2% Solution" webcast which was the kick-off event for the January 31 Focus the Nation teach-in. Media coverage included stories in hundreds of daily newspapers and online at The New York Times, Business Week, Time, MSNBC and Forbes. Speakers for The 2% Solution webcast included actor Ed Norton Jr., NWF's Larry Schweiger, climatologist Stephen Schneider, energy expert Hunter Lovins, NWF's Praween Dayananda, Governors Crist of Florida and Napolitano of Arizona, Senator Nelson of Florida and others.

**January 31, 2008: NORTHERN VIRGINIA COMMUNITY COLLEGE MANASSAS CAMPUS FOCUS THE NATION, Manassas, VA**

Julian Keniry delivered the keynote to 100 students, faculty and staff on climate education and action in conjunction with their Focus the Nation teach-in. The work resulted in three articles in local papers reaching at 600,000 through combined collective reach, including a cover story on the role of campuses in curbing climate change.

**January 31, 2008: GEORGIA FOCUS THE NATION, Atlanta, GA**

Jolea Bryant played a major organizing role by working with Georgia Students for Sustainability who hosted a Lobby Day at the Georgia Capitol. Students participated in a training session on effective lobbying and immediately following, participated in a press conference on the Capitol steps where they voiced their concerns about climate change followed by a gathering with legislators. More than 50 college and high school students spoke to over 40 legislators and staff.

**January 16, 2008: NATIONAL COUNCIL ON SCIENCE AND THE ENVIRONMENT, Washington, D.C**

Lisa Madry and Justin Schott facilitated a workshop for 35 participants on climate action plans along with Jenn Andrews from Clean Air-Cool Planet and sustainability directors from the University of New Hampshire and the University of Colorado at Boulder. The workshop provided an in-depth look at climate action plans, greenhouse gas inventories and brainstorming on tailoring plans to their institutions.



**November 2-5, 2007: POWER SHIFT 2007, College Park, MD**

Power Shift engaged 6,000 student leaders and helped channel the diverse initiatives of 30 national youth and campus member organizations. More than 20 NWF staff participated on 11 panels and led 11 workshops that reached 2,500 students. NWF also held a booth at the career fair and organized a luncheon for 62 students from Campus Ecology member schools. Three staff served as lobby day trainers and assisted students in meetings with seven senators and representatives. NWF was a major financial sponsor and leveraged matching commitments from several green groups. Praween Dayananda, Justin Schott, Kristin Kranendonk, Campus Ecology program coordinator, Julian Keniry, Kristy Jones, and Jen Fournelle attended.

**October 26-27, 2007: GREENING VIRGINIA UNIVERSITIES AND COLLEGES CONFERENCE AND VIRGINIA CLIMATE ACTION CONFERENCE, Charlottesville, VA**

The Greening Virginia Universities conference hosted 180 participants and the Virginia Climate Action Conference hosted 150. Julian Keniry and Kristy Jones presented at both. Julian discussed mobilizing the campus and community to address global warming and facilitated a session on sustainable campus policy and planning at the Greening Virginia Conference. At the Virginia Climate Action conference Julian led a workshop on working with hunters and anglers on global warming education and solutions and Kristy led a workshop on Virginia wildlife and the impacts on global warming.

**October 24, 2007: ST. LOUIS CAMPUS SUSTAINABILITY DAY, St. Louis, MO**

Lisa Madry gave the keynote address on campus solutions to global warming to the gathering of 60 people from six St. Louis-area colleges.

**October 20, 2007: TEXAS YOUTH CLIMATE SUMMIT, Austin, TX**

Fifteen youth leaders from across central Texas attended the first Texas Youth Climate Summit at Austin Community College. The meeting led to the birth of ReEnergize Texas, the first youth coalition working to address climate change in Texas, and a goal of bringing together 300 students for climate action training and inspiration. Praween Dayananda co-organizer this event and helped coordinate agenda, logistics, recruitment, and served as MC.

**October 10, 2007: IOWA CAMPUS CLIMATE SUMMIT, GRINNELL COLLEGE, Grinnell, IA**

This summit brought together 30 campus leaders from 14 campuses across Iowa to discuss how their institutions are addressing sustainability and climate change. Participants shared best practices and participated in workshops, panels and open discussions. Justin Schott and Campus Ecology consultant David Egan provided information on greenhouse gas inventories and climate actions plans. Two schools signed the American College and University Presidents' Climate Commitment and Grinnell College and Luther College joined as NWF Campus Climate Champions.

**October 4, 2007: OHIO CAMPUS CLIMATE SUMMIT, OHIO UNIVERSITY, Athens, OH**

This event engaged 100 higher education stakeholders in Ohio in energy, climate and sustainability discussions. Justin Schott facilitated a strategizing session with Mattie Reitman from the Energy Justice Network. Meeting results included the formation of the Ohio Student Environmental Coalition (OASES).

**September 28-30, 2007: MICHIGAN STUDENT SUSTAINABILITY COALITION (MSSC) SUMMIT, East Lansing, MI**

This summit provided training and networking opportunities to 140 MSSC students from 13 campuses. Students learned about recruiting, designing campus campaigns, organizing direct actions and understanding state energy policies. Justin Schott gave two workshops to a total of 25 students on greenhouse gas inventories, climate action plans and financing climate action. Overall, the summit strengthened the MSSC, built excitement for Power Shift and connected Campus Ecology with sustainability committees.

**September 28-30, 2007: SOUTH DAKOTA CLIMATE CHALLENGE CONFERENCE, Sioux Falls, SD**

Lisa Madry hosted pre-conference workshops for eight campus and community organizations on taking action to reduce global warming on campus. While most attending campuses were at the beginning stages of taking climate action, the University of South Dakota has since signed the American College and University Presidents' Climate Commitment, Blacks Hills State University offered to host a future gathering, and two campuses pledged to pursue greenhouse gas inventories.



**September 25, 2007: SUSTAINABILITY FAIR AT GEORGE MASON UNIVERSITY, Fairfax, VA**

Kristin Kranendonk hosted a Campus Ecology booth at this event. One hundred students on the George Mason campus attended the fair.

**September 21-23, 2007: DORIS DUKE FELLOWS RETREAT, Shepherdstown, WV**

Kristy Jones and several NWF staffers presented to 50 Doris Duke Conservation Fellows on NWF strategies for educating and activating constituent groups on global warming. Topics included the 2% Solution, wildlife adaptation, campus climate action and state wildlife plans.

**September 6-8, 2007: GREENING THE CAMPUS CONFERENCE, Muncie, IN**

Lisa Madry, Praween Dayananda and Justin Schott presented workshops “Campus Solutions to Global Warming” and “State and Federal Policy Solutions to Global Warming.” Each interactive session drew more than 70 participants and received positive feedback for providing concrete strategies and showing leaders how their peers are advancing sustainability. The conference also offered an opportunity for staff to strengthen relationships with Campus Ecology members.

**September 2007: SHENANDOAH UNIVERSITY, Winchester, VA**

Julian Keniry spoke to 150 administrators and faculty about moving forward towards climate neutrality, the largest sources of global warming pollution, and strategies for curbing emissions while achieving a good return on investment. A website article posted by the campus communications department reached 1,000 students, faculty and staff.

**August 4th, 2007: RE-ENERGIZE IOWA MARCH, Des Moines, IA**

Fifty citizens marched from Ames to Des Moines and the Des Moines rally drew 200 people. The event focused on raising climate change awareness and building grassroots support for clean energy policies. Justin Schott joined the march, hosted a booth for NWF and talked with students and activists about global warming and the Campus Ecology program. The event catalyzed meetings with campus leaders at Drake University, Grinnell College, the University of Iowa, University of Northern Iowa and Iowa State University.

**July 7, 2007: LIVE EARTH CONCERT, Giants Stadium, NJ**

Jen Fournelle, Kristin Kranendonk, Ashleigh Poff, Andrew Pinger and Josh Nelson represented NWF and Campus Ecology at this inaugural global concert concept focused on raising awareness about climate change. Concerts were held simultaneously on all seven continents. An estimated 5,000 people visited NWF’s booth on Campus Ecology and NWF Action.

**April 18, 2007: CHILL OUT: CAMPUS SOLUTIONS TO GLOBAL WARMING, Nationwide**

Chill Out’s inaugural competition netted 91 entries, 61 on-campus media hits and 53 off-campus hits in newspapers and local TV news. The live broadCast streamed to 150 colleges and universities and 25 organizations and personal computers, reaching close to 4,000 viewers.

**April 17, 2007: ALL VOLUNTEERS MEETINGS AT THE NATIONAL ZOO, Washington, D.C**

Kristin Kranendonk, Katrina Managan and Tim Warman briefed 200 zoo volunteers on NWF’s global warming stance and talked about messaging to zoo visitors. Kristin also briefed volunteers on the Campus Ecology program and how younger zoo visitors can get involved in the twin goals of wildlife conservation and efforts to reduce global warming pollution.

**March 27, 2007: GLOBAL WARMING AND THE ROLE OF HIGHER EDUCATION, NWF Headquarters, VA**

The Campus Ecology team hosted its first campus climate summit gathering with 22 students, faculty and staff from 16 colleges and universities. The 2007 Campus Ecology Fellows attended, as well as campus leaders in D.C., Maryland and Virginia. The gathering included a presentation on climate action on campus, including best practices, a mapping session to identify current sustainability practices at the represented campuses, and a session to identify needs and interests.



## APPENDIX F: CAMPUS ECOLOGY ADVISORS

*We would like to thank all of our dedicated advisors for their insight and support of the Campus Ecology Program.*

### **Current Advisors**

Jen Andrews, Clean Air Cool Planet

Jay Antle, Johnson County Community College

Mark Dubois, Pachamama Alliance/Awakening the Dreamer

Melinda Esquibel, Chill Out Producer, Mundo Maravilla

Margo Flood, Environmental Leadership Center, Warren Wilson College

Michael Kelrick, Fellow Advisor, Truman State University

Andrew Lee, Former Fellow

Jean MacGregor, Professor/Council on Environmental Deans and Directors, Evergreen State College

Billy Parish, Co-Founder, Environmental Action Coalition

Allison Rogers, Former Fellow, Green the Capitol

Debra Rowe, Oakland Community College

Suzanne Savanick-Hansen, Former Fellow, Sustainability Coordinator, Macalester College

Russ Soucek, Doane College

Doug Wymer, University of West Alabama

### **2005-2007 Strategic Planning Advisors**

Steve Allinger, New York City Board of Education

Virginia (Jenny) Brock, Florida Wildlife Federation's Board of Directors

Clark Bullard, University of Illinois at Urbana Champaign

Claudia Chiesi, Harford Community College

Lyvier Conss, Community College National Center for Community Engagement

Andrew Curtis, Penn State Cooperative Extension in Lehigh County

Isiah Dalton, former NWF Campus Ecology Fellow

Joshua Feldmark, Center for Environmental Citizenship

Patricia (Trish) Jerman, South Carolina Sustainable Universities Initiative

Steven (Steve) Katona, College of the Atlantic

Robert (Bob) Koester, Ball State University

Chuck Olmsted, University of Northern Colorado

Jay Sandal, Fond du Lac Tribal and Community College

Martin Stein, Quality Imaging Products

Timothy R. Thyreen, Waynesburg College

Marcia Winslade, University of California Santa Cruz



# The mission of the National Wildlife Federation is to inspire Americans to protect wildlife for our children's future

## **Acknowledgments:**

**Coordinator:** Courtney Cochran

**Editors:** Jen Fournelle, Courtney Cochran, and Kristy Jones

**Writers:** Kristi Lanier, with Julian Keniry

**Contributors:** Lisa Madry, Praween Dayananda, Carly Queen, Juliana Goodlaw-Morris, Jen Fournelle, Kristy Jones, Courtney Cochran, Patrick Fitzgerald

**Designer:** Nathaniel Lew

## **Photography Credits:**

### Cover Photos:

Sea Turtle: Thomas B McDonald

Egret: Dave Hawkins

Bobcat: Karlton D Rebenstorf

NWF's Campus Ecology team expresses deep gratitude to our program sponsors:

The Kendeda Fund

Bank of America

Charles Stewart Mott Foundation

Nathan Cummings Foundation

Towncreek Foundation

Educational Foundation of America

---

National Wildlife Federation | 11100 Wildlife Center Dr, Reston VA 20190  
*Inspiring Americans to Protect Wildlife For Our Children's Future*

[www.campusecology.org](http://www.campusecology.org)



National Wildlife Federation®  
**CAMPUS**  
ecology®