Education for the Green Economy

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Campaign for Environmental Literacy

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Transition to a Green Economy

- Transforming our nation’s economic, energy, and environmental systems to move towards a green economy will require a level of expertise, innovation, and cooperative effort unseen since the 1940s.

- **All** sectors of the economy need to move toward becoming green, clean, and sustainable - energy, housing, transportation, food, water, etc.

- Broad public engagement in this transition is essential – and top down solutions alone will not be sufficient.
National Goal: Green All of America's Schools within a Generation

Our Vision of a Green School:

- Interdisciplinary learning about dynamic, coupled social and natural systems
- Service learning, place-based learning, authentic learning
- Integrated buildings, grounds, operations, curriculum, pedagogy, community and place ("whole school" approach)
- Multiagency (ED, NSF, Labor, Commerce, Ag, EPA, etc) involvement for a comprehensive, coordinated federal green school initiative
1% for Education (for a Green Economy) Campaign

1. Improve public readiness
2. Address generational fairness
3. Reduce ignorance as a root cause
Education for a Green Economic Recovery Act (EAGER):

Makes new investments to:

- Retool our nation’s universities and colleges
- Revitalize K-12
- Bolster existing career pathways programs
- Retrain practicing professionals
- Mount major public education programs
EAGER Endorsers (partial list):

- American Academy of Religion
- American Association of Colleges for Teacher Education
- American Association of Community Colleges
- American Studies Association
- APPA (Association of Physical Plant Administrators)
- Association for Career and Technical Education
- AASHE
- Association of Governing Boards of Universities and Colleges
- Council for Christian Colleges and
- Hispanic Association of Colleges and Universities
- National Association of Biology Teachers
- National Association of College and University Business Officers
- National Science Teachers Association
- Second Nature
Newly Authorized Programs:


- Energy Independence and Security Act: Section 471 created the new Department of Energy "Energy Sustainability and Efficiency Grants and Loans for Institutions" program which provides up to $500 million in loans and up to $250 million in grants annually for renewable energy and energy efficiency projects to higher education institutions, public schools and local governments.

- ED will hold a Sustainability Summit on Sept 20/21, 2010.
Active Bills:

- **Green Energy Education Act (HR 957)** authorizes higher education curriculum development and graduate training in advanced energy and green building technologies. Passed by the House.

- **Grants for Renewable Energy Education for the Nation Act (HR 1775)** provides support via ED to develop career and technical education programs of study and facilities in the areas of renewable energy. No action yet.

- **Ocean, Coastal and Watershed Education Act (HR 3488)** authorizes and expands a regional (BWET) and also a national (ELG) environmental education grant-making program at NOAA. Passed by the House.

- **No Child Left Inside Act (HR 2054, S 866)** creates a new EE grant program to help build national and state capacity, a $100 million grant program for EE teacher training, requires states applying for these funds to submit state EE Plans. No action yet.
Active Bills:

- **Sustainable Energy Training Program for Community Colleges**: (formerly the Community College Sustainability Act) was included in the new energy bill (S 1462) passed last summer by the Senate Energy and Natural Resources Committee. It authorizes $100 million/year for five years for workforce training and education grants from the Depart. of Energy for community colleges to fund renewable energy and efficiency, green technology, and sustainable environmental practices.

- **Global Warming Education Act (HR 1926)** funds NSF to provide formal and informal education opportunities to educate students and all Americans, launch a national information campaign to promote ways to tackle global warming, and establish a grants program for education materials.

- **National Environmental Education Act** which expired in 1996 but continues to be funded at the 1993 level of $9 million. Funds a small grants program, a $2m teacher training contract, internships and awards.
FY2011 President’s Budget:

- **NSF: Science, Engineering, and Education for Sustainability**: SEES is a new NSF-wide initiative funded at $765.5 million (a 16% increase over last year) by pulling funds together from different NSF directorates. It integrates NSF’s work in climate and energy science and engineering in order to generate the discoveries and tools needed to “inform societal actions that lead to environmental and economic sustainability by emphasizing systems approaches to research programs, education and workforce development, public awareness and outreach.”

- **NSF: Climate Change Education Program** ($10 million) is designed to develop the next generation of skilled, educated, and climate-savvy Americans. It catalyzes activity at the national level in four strands of STEM education: preparation of a climate science professional workforce; public understanding and engagement; resources for learning; and local and national STEM education policy. NSF received the same amount in both FY09 and FY10 for CCE.
## FY11 Green Education Budget

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<thead>
<tr>
<th>Agencies/Programs</th>
<th>FY10</th>
<th>FY11</th>
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<tbody>
<tr>
<td>Ag: Access to Local Foods Program</td>
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<tr>
<td>Ag: Sustainable Agriculture Research and Education</td>
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<td>ED: University Sustainability Program</td>
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<td>ED: Healthy High Performance (K-12) Schools Program</td>
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<td>Energy: School Energy Sustainability Grants</td>
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<td>Energy: School Energy Efficiency Loans</td>
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<td>EPA: Environmental Education Program</td>
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<td>NSF: Global Climate Change Education Initiative</td>
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<td>NOAA: Environmental Education Initiatives</td>
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<td>NOAA: BWET Programs</td>
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<tr>
<td>NASA: Climate Change Education Grant Program</td>
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Resources & Campaign Partners

- Second Nature
  www.secondnature.org

- National Wildlife Federation
  www.nwf.org

- Earth Day Network
  www.earthday.net
What You Can Do Now To Help:

- Ask your Congressional delegation to support the EAGER Act and USP appropriations in particular
- Ask your peers at other schools to reach out to their delegations as well
- Get these programs on the agenda of your President and federal affairs staff
- Try to get the higher education associations in which you participate to put these on their legislative agenda
- Call or write me for any help you or your staff need
Thank You!

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