

Sustainability at Slippery Rock University: Preparing Our Students for a Green Economy

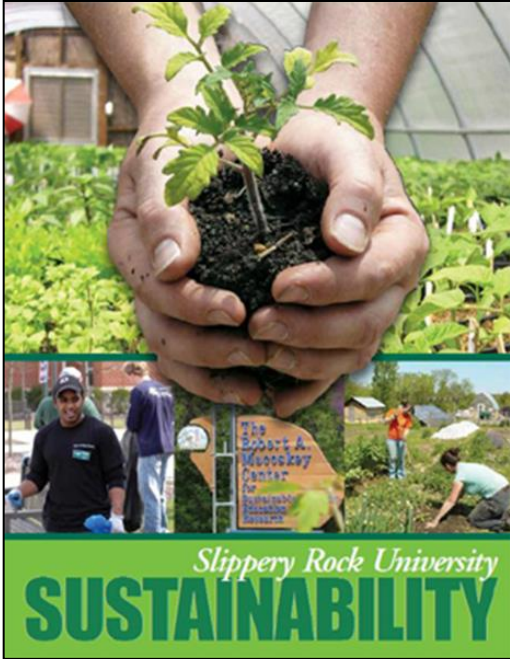


SRU Office of Sustainability

www.sru.edu/sustainability
www.facebook.com/SRUsustainability

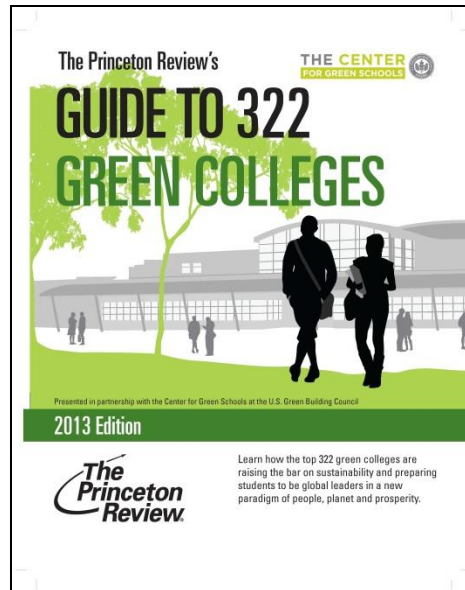
Sustainability at SRU

Yesterday - Our History



1889 Permaculture experiment

Today



Climate Commitment & Action Plan

Tomorrow – Our Strategic Plan



Carbon Neutral by 2037

SRU Green Programs & Organizations

McKeever Environmental Education Center

PARKS & RECREATION

BS, Parks & Resource Management
MS, Parks & Resource Management
Master of Environmental Education

GEOGRAPHY GEOLOGY & ENVIRONMENT

BS, Environmental Society
BS, Environmental Studies
BS, Environmental Geosciences
BA, Environmental Geosciences
BS, Environmental Sciences
BA, Environmental Geology Pre-Master of Education

SCHOOL OF BUSINESS **BSBA, Sustainable Management** **Sustainable Enterprise Accelerator**

Students for Sustainability

PHYSICS & PRE-ENGINEERING

Agricultural Engineering
Biological Engineering
Electrical Engineering
Energy Engineering
Mechanical Engineering
Petroleum & Natural Gas Engineering
Nuclear Engineering

Robert A. Macoskey Center for Sustainability Education & Research
Slow Foods Club



Environmental Geosciences Society
Geography Club

Leave it Green Club

Outing Club

Cycling Club



SUSTAINABILITY AT SRU – TOP DOWN

- Academic Sustainability Programs
- President's Commission on Sustainability
- President's Climate Commitment
- STARS Report
- Greenhouse Gas Inventory
- Energy Conservation Policy
- Strategic Plan Trend 5
- Macoskey Center for Sustainable Systems
- McKeever Environmental Education Center
- Sustainable Enterprise Accelerator (SEA)
- Green Fund Grant Program
- Environmental Zoning Committee

SUSTAINABILITY AT SRU – BOTTOM UP

❑ **Green Clubs**

- Students for Sustainability
- Rotoract
- Enactus
- Environmental Geosciences Society
- Park Ranger Society
- SR Slow Food
- Geography, Geology, and the Environment Club
- CSIL Volunteer Corps

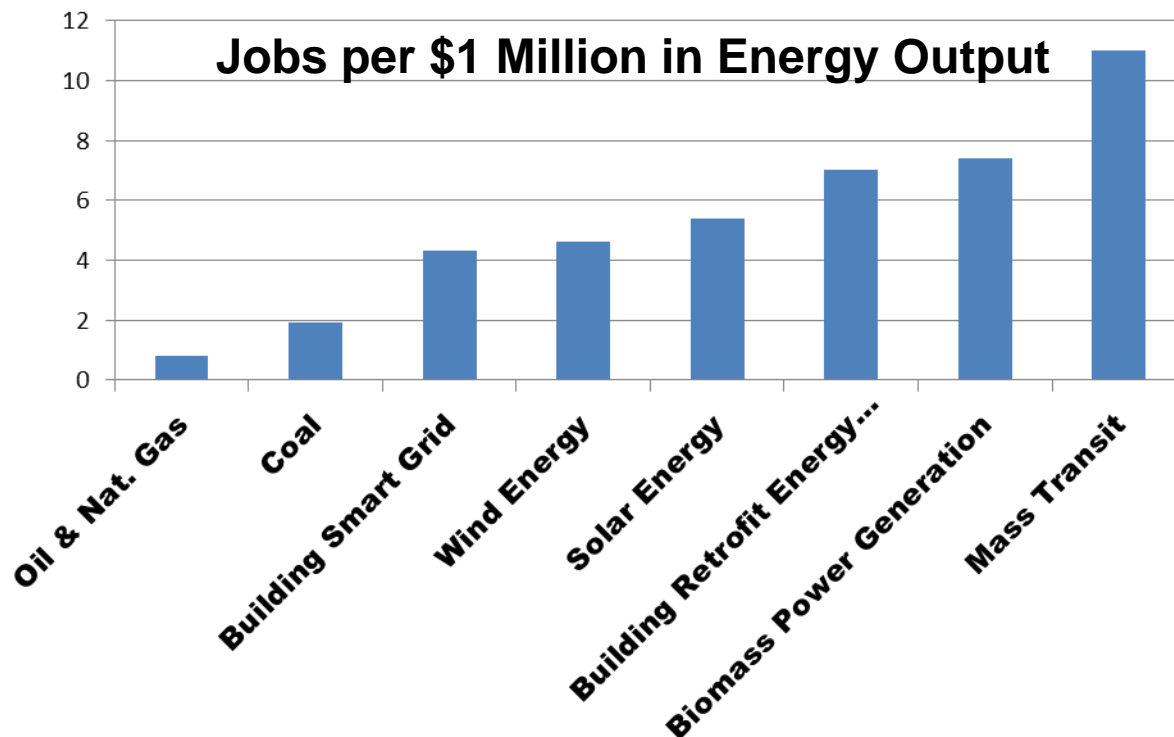
❑ **Co-Curricular Activities**

- Recyclemania
- Dump-and-Run
- Earth Day Activities
- Green Bike Initiative
- AASHE Sustainability Day Activities
- School of Business Speakers Program



Permanent Energy Sector Jobs: Fossil Fuel Industry vs. Green Technologies

Coal-related (2010, incl. 82,595 mining jobs):	174,000
Oil & Gas (incl. non-drilling jobs, 2011):	806,831
Green Jobs (2010):	3,129,112





Types of “New” Green Jobs

1. **Green Increased Demand** - an increase in employment demand of **64 existing occupations** that do not entail significant changes in the work and worker requirements of the occupation.

2. **Green Enhanced Skills** - a significant change to the work and worker requirements of 62 existing occupations. This impact may or may not result in an increase in employment demand for the occupation.

3. **Green New and Emerging Occupations** - the need for unique work and worker requirements, which resulted in the generation of **91 new occupations.**

90% of
green jobs
may be in
existing
occupations



> 2 Million Private Sector Green Jobs, 2011

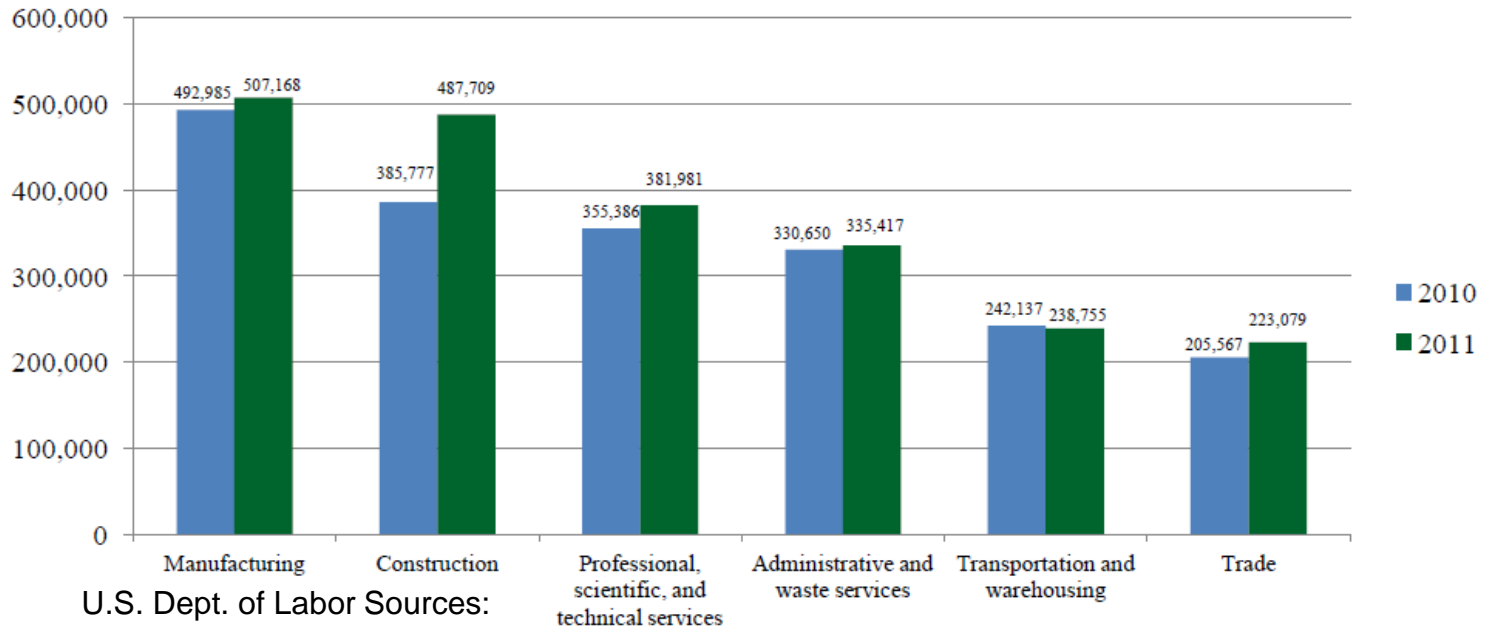


USDL-13-0476

Chart 1. Green goods and services private sector employment, 2010–11 annual averages

Employment

Locally: 167,397 Green Jobs in PA, 2011



<http://www.bls.gov/news.release/pdf/gggcew.pdf> 2010 – 2011 Green Jobs, private sector

<http://www.dol.gov/dol/green/> Green Career Program



Careers & Positions in Sustainability

For Greenbiz "State of Green Business 2013 free report:

<http://www.greenbiz.com/microsite/state-green-business>

Go to <http://www.bls.gov/green/breencareers.htm> for green career descriptions, education/skills required, and salaries in many fields, including:

- **Biofuels**
- **Environmental Remediation**
- **Air & Water Quality Monitoring**
- **Sustainability**
- **Electrical Vehicles**
- **Solar Power**
- **Wind Energy**
- **Organic Food Production**

Go to <http://www.onetcenter.org/green.html?p=2>

for new green positions like:

- **Chief Sustainability Officer**
- **Environ. Certification Specialists**
- **Environ. Economists**
- **GHG Inventory Specialists**

Become a Green ENTREPRENEUR!

