

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

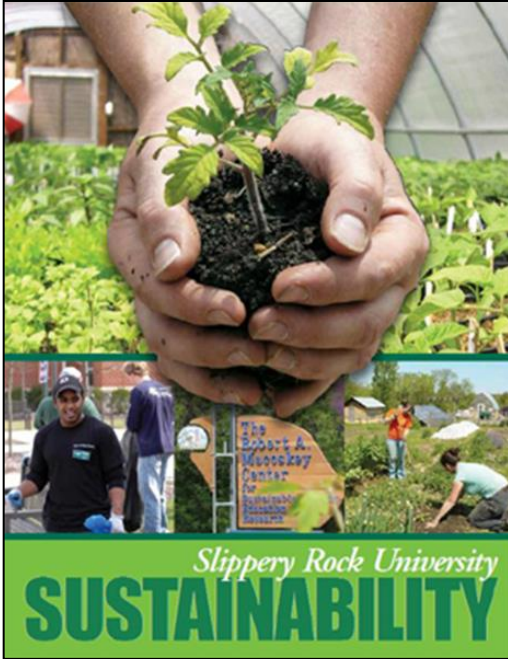


**SRU Office of Sustainability**

[www.sru.edu/sustainability](http://www.sru.edu/sustainability)  
[www.facebook.com/SRUsustainability](https://www.facebook.com/SRUsustainability)

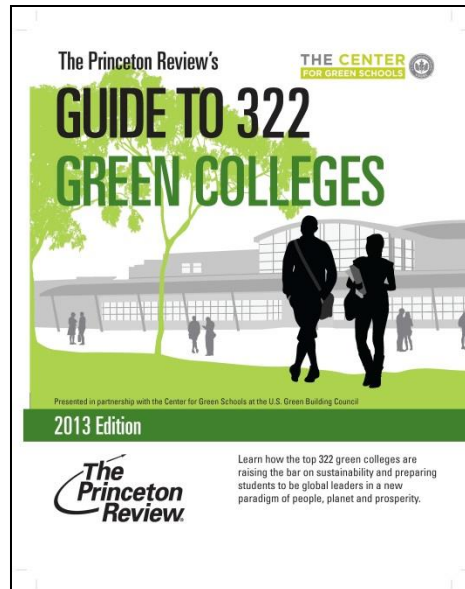
# Sustainability at SRU

## 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

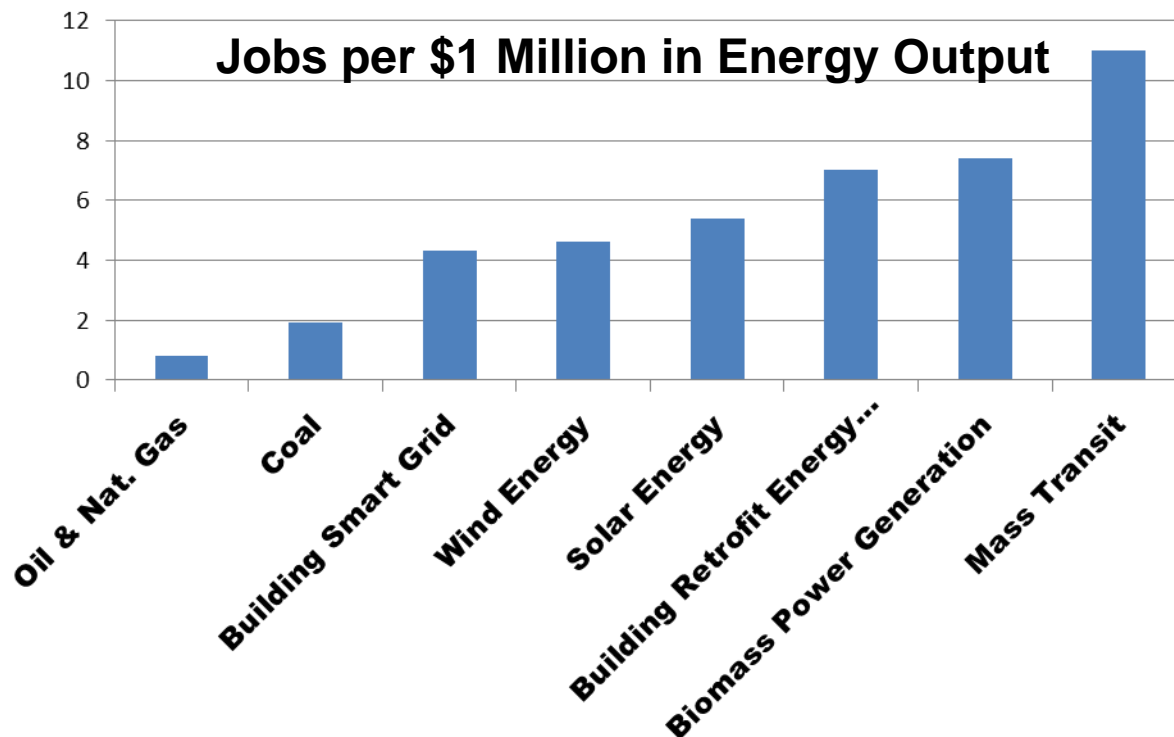
## ❑ **Co-Curricular Activities**

- 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          |
| <b>Green Jobs (2010):</b>                      | <b>3,129,112</b> |





## 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

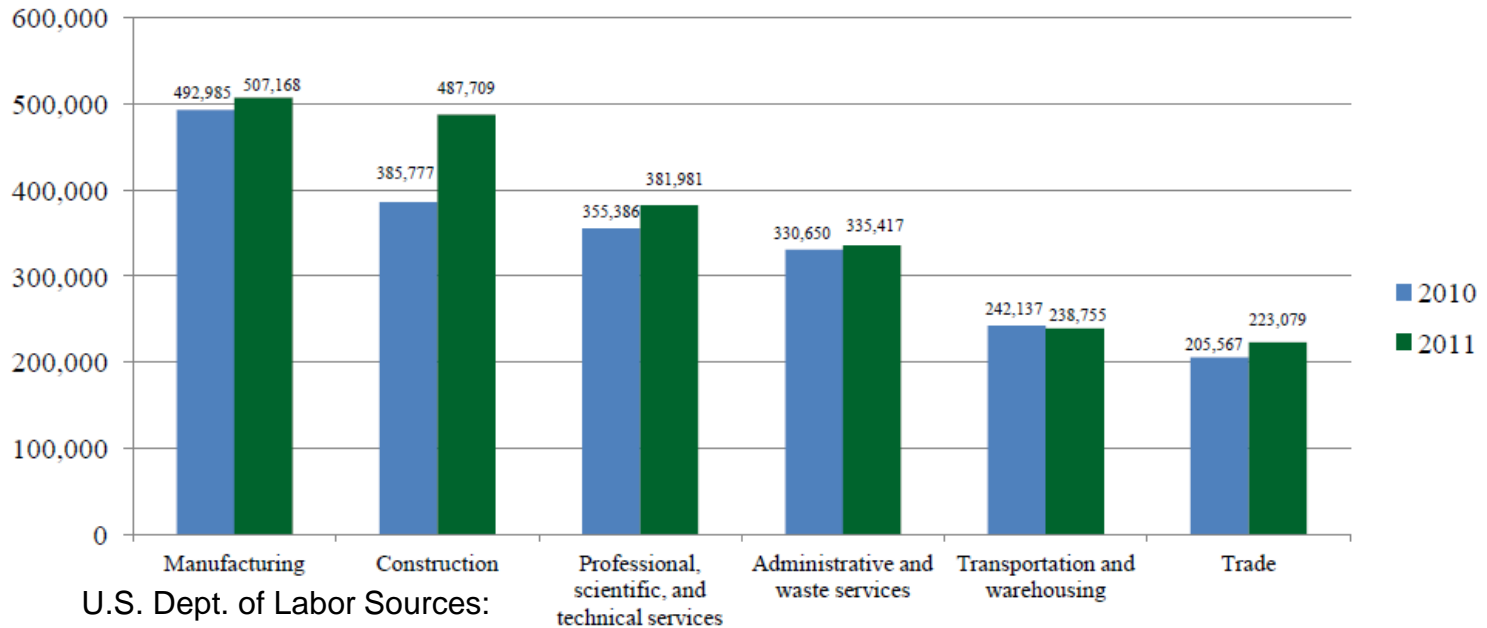


USDL-13-0476

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. Economists
- Environ. Certification Specialists
- GHG Inventory Specialists

**Become a Green ENTREPRENEUR!**

