



# Sustainability at SIU

KAREN SCHAUWECKER

SUSTAINABILITY PROGRAM COORDINATOR

We are proud to receive these recognitions



# Sustainability, Tracking, Assessment & Rating System

- ▶ **Academics**

- ▶ **Engagement**

- ▶ **Operations**

- ▶ Air & Climate, Buildings, Dining Services, Energy, Grounds, Purchasing, Transportation, Waste, Water

- ▶ **Planning & Administration**

- ▶ Coordination, planning, governance, diversity, affordability, health, well-being & work, investment

- ▶ **Innovation**

- ▶ Compost facility, water stations, Saluki Food pantry, Hub

# United Nations Sustainable Development Goals



# Saluki Energy Focus Group

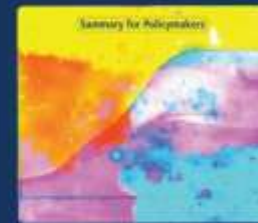
- ▶ The goal of the Saluki Energy Focus Group is: **To help lead a campus-wide effort to reduce SIU energy use and transition toward maximized renewable energy usage.**

## Saluki Energy Forum CAMPUS AND COMMUNITY

**THURSDAY, NOVEMBER 8**  
11 a.m. - 1 p.m.  
Student Center  
Art Gallery & Renaissance Room

*Learn about clean energy and climate challenges that lie ahead. Meet campus and community organizations already working toward solutions.*

ipcc  
Global Warming of 1.5°C



**KEYNOTE PRESENTATION**  
11 a.m. | Renaissance Room  
Professor Justin School  
"Understanding the IPCC Special Report on Global Warming of 1.5°C"  
A worksheet is available for smooth viewers.

**ART EXHIBIT**  
11 a.m. - 1 p.m.  
Art from the series "Environmental Graph(s) - The Art of Climate Change", by Alisa Singer: [www.environmentalgraph\(s\).org](http://www.environmentalgraph(s).org)

**CAMPUS AND COMMUNITY FORUM**  
11 a.m. - 1 p.m. | Art Gallery  
Learn about and meet with organizations related to energy, climate and conservation.

618-453-7327  
ENERGY.SIU.EDU

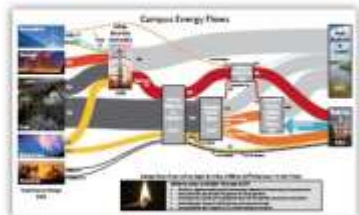
SIU Southern Illinois University

Individuals with disabilities are welcomed.  
Call 618-453-5798 to request accommodations.



**Thursday, April 4**  
11:30 a.m. - 1 p.m.  
Morris Library Rotunda

FREE AND OPEN TO THE PUBLIC. LIGHT LUNCH PROVIDED.



Campus CO<sub>2</sub> emissions from heating, cooling, and electricity in buildings are equal to burning 856 rail cars – about nine miles long – of coal per year. How do we fix that and make our campus better now and for future generations?

This event is being presented by the Saluki Energy Focus Group, whose goal is to assist in a campus-wide effort to reduce SIU energy use and transition toward maximized renewable energy usage.

This event is part of a series of Drawdown-related activities hosted by the Sustainability Office.

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ENERGY.SIU.EDU

SIU Southern Illinois University

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### ENERGY @ SIU

### SALUKI ENERGY FOCUS GROUP

- Home
- Academic Scholarships
- Academic Programs
- Research Grants
- Research Areas
- Saluki Energy Focus Group**
  - Reduce Your Carbon Footprint
  - Saluki Energy Focus Group Events

The Saluki Energy Focus Group is an SIU [Sustainability Working Group](#) - please visit the Sustainability Working Group website for more information about this and other groups about Air and Climate, Water, Food and Transportation.

The goal of the Saluki Energy Focus Group is: **To help lead a campus-wide effort to reduce SIU energy use and transition toward maximized renewable energy usage.** The group includes representatives from the Sustainability Office, Advanced Coal and Energy Research Center, Plant and Service Operations, Center for Environmental Health and Safety, University Communications, students and alumni.

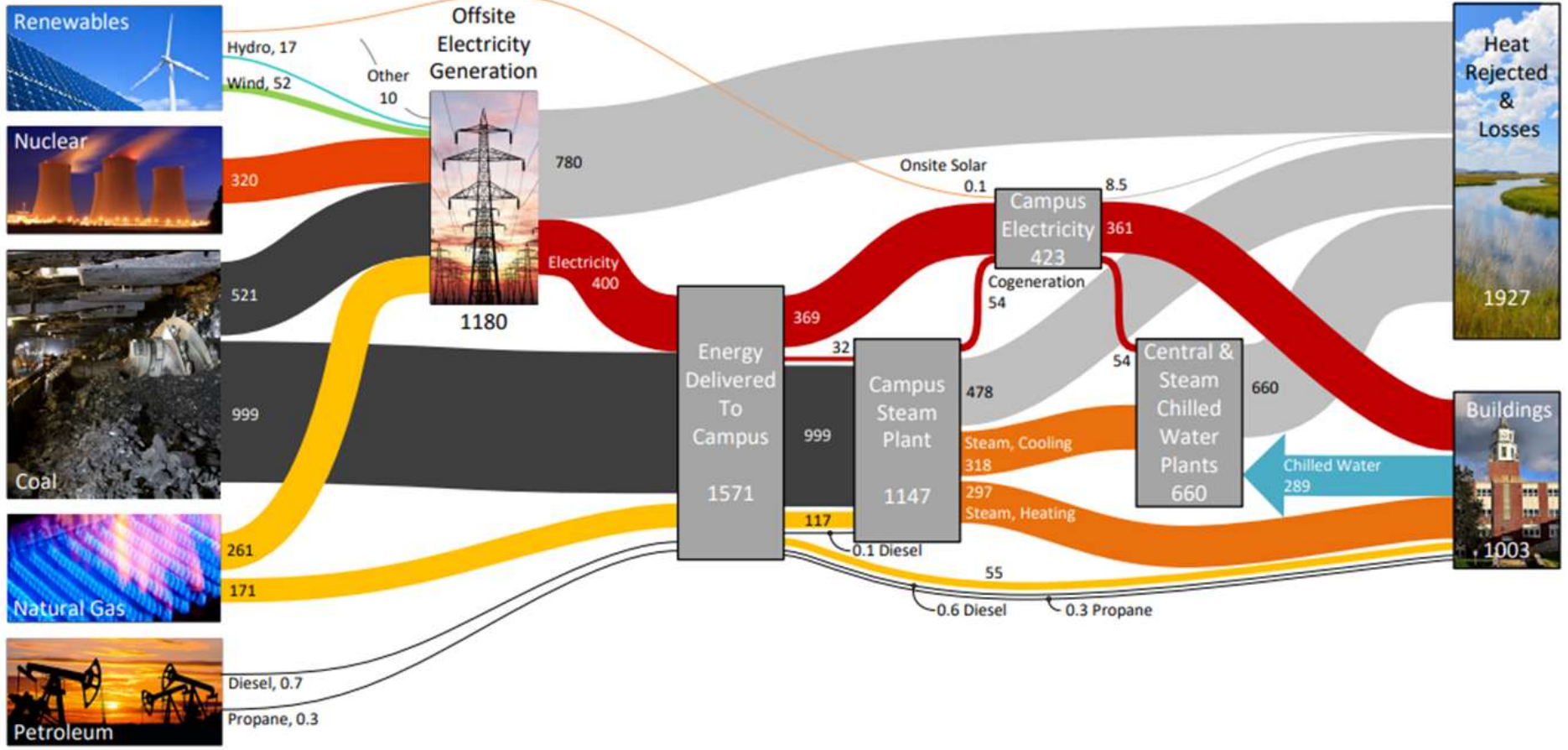
#### ON THIS WEBSITE

You can find information about Saluki Energy Focus Group

- [Events](#) - Saluki Energy Forums
- [Programs](#) - Green Office Sleuths, Saluki Lights Out, Net-Zero Salukis, Energy Research Survey
- and [How to Reduce Your Carbon Footprint](#)



# SIU Energy Mix



Energy Flows from Left-to-Right in Units of Billion (10<sup>9</sup>) Btu/year, FY2017 Data

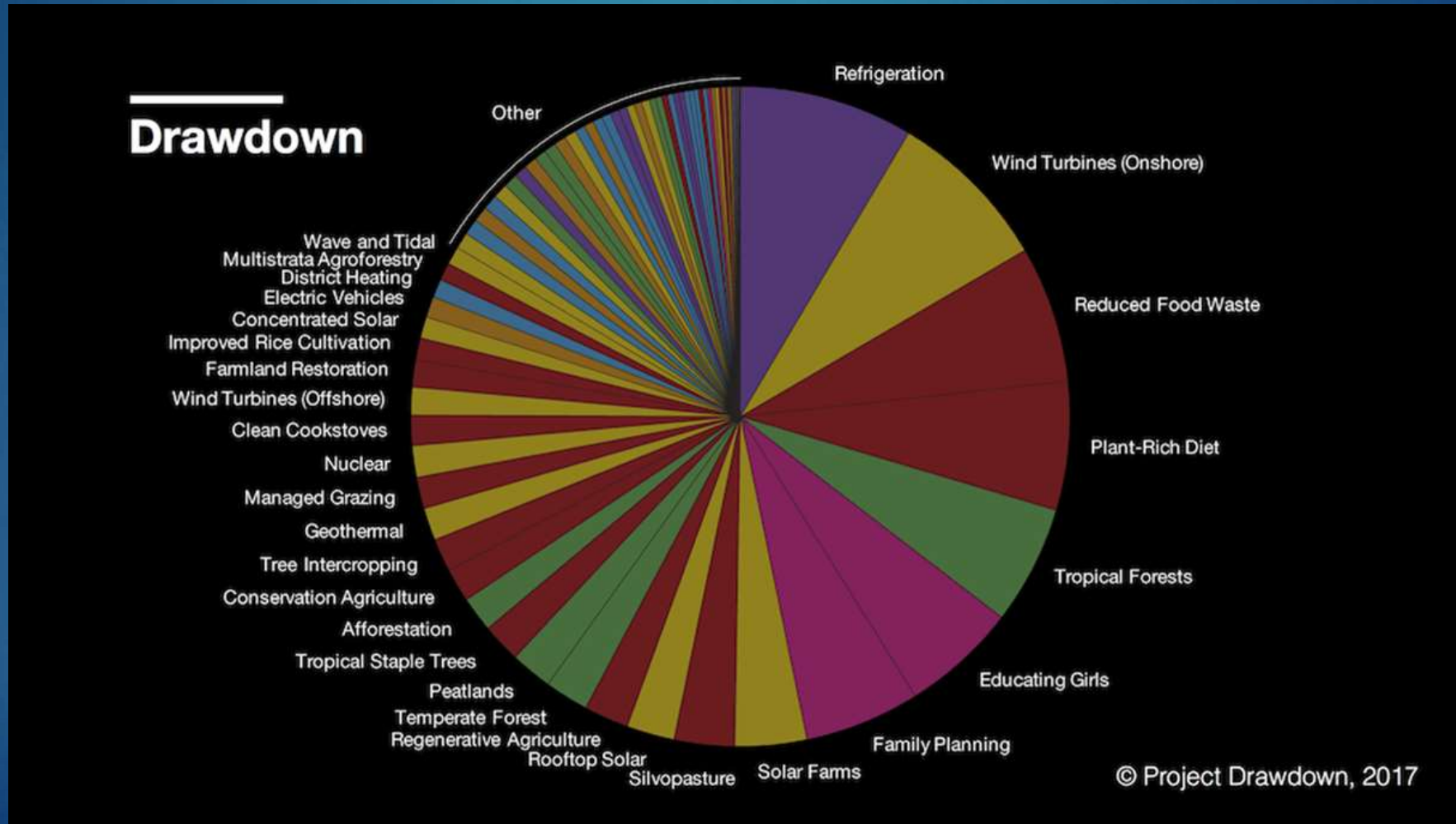
NEW YORK TIMES BESTSELLER

# DRAWDOWN

THE MOST COMPREHENSIVE  
PLAN EVER PROPOSED TO  
REVERSE GLOBAL WARMING  
EDITED BY PAUL HAWKEN



# 100 Solutions that Compose Potential for Drawdown





# Top 10 Solutions

Rank	Solution	Sector	TOTAL ATMOSPHERIC CO <sub>2</sub> -EQ REDUCTION (GT)	NET COST (BILLIONS US \$)	SAVINGS (BILLIONS US \$)
1	Refrigerant Management	Materials	89.74	N/A	\$-902.77
2	Wind Turbines (Onshore)	Electricity Generation	84.60	\$1,225.37	\$7,425.00
3	Reduced Food Waste	Food	70.53	N/A	N/A
4	Plant-Rich Diet	Food	66.11	N/A	N/A
5	Tropical Forests	Land Use	61.23	N/A	N/A
6	Educating Girls	Women and Girls	51.48	N/A	N/A
7	Family Planning	Women and Girls	51.48	N/A	N/A
8	Solar Farms	Electricity Generation	36.90	\$-80.60	\$5,023.84
9	Silvopasture	Food	31.19	\$41.59	\$699.37
10	Rooftop Solar	Electricity Generation	24.60	\$453.14	\$3,457.63



Credit: GoSeeFoto / Alamy Stock Photo

Materials

## REFRIGERANT MANAGEMENT

89.74 gigatons of reduced CO<sub>2</sub>

# 1



Credit: Jim West / Alamy Stock Photo

# Electricity Generation

## Wind Turbines (Onshore)

84.6 gigatons of reduced CO<sub>2</sub>

# 2



Food  
Reduced Food Waste  
70.53 gigatons of reduced CO2

# 3