

Energy Working Group

CHAIRS: Laura Gonzalez Guerrero | Ethan Heil



Overview

The Energy Working Group aims to leverage the enthusiasm and broad expertise of the University community to promote the energy conservation and decarbonization on Grounds.

Goals or Projects

- Still in progress! We held an idea-generating charrette and are now in the process of narrowing down the following list of potential initiatives.
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Analysis

Deborah Lawrence ←

Emissions impact on health, economy

Cost analysis of abatement

- Carbon Neutral Planning

- Combustion-free planning

- C-ville-wide analysis

Impact of scooters on transportation energy

• Bus Emissions? BC/NOx

• Coal consumption

• Specs of past solar purchases ⇒ how to get more?

• how does dorm renovations impact energy use

• Electric buses: Financial and environmental impact

• Analysis of RE goals in VA, how to reach them is possible to have more?

Implementation

Gas powered generators for speakers/lighting in Scott Stadium → Electrify?

Community Solar Pilot on Grounds, small scale experiment or Cville policy change

• Waste to energy on grounds

• Analysis of which people/policies/institutions are most integral to incorporating more ren. energy/energy efficiency

• Coal Biz for VA?

Solar charging

→ Solar Panels for LOTL?

- Install EV chargers
• Promote EVs on G

Outreach

• Contacting Green Leaders ⇒ student awareness thru contacting "point people"

• Dooms/BAs

• energy curriculum - get more profs to include energy considerations

• Participation in Cville Hearings City Council Richmond → Energy Policy

• energy challenge between schools, A-school K-school, etc.

- conferences & talks

• coordination & outreach w/ CIOs

• Energy Efficiency or Renewables Minor

- energy tours

• Educational event for younger people in area ⇒ elem., middle, or high school students

Other

Competitions

- Solar Decathlon

- DoE Race to Zero Design

- Reboot of Solarize?

⇒ Collaboration w/ City of Charlottesville

• EVs for off-grounds people? ⇒ more support w/ either info or infrastructure

Yearly Progress Update

The Energy Working Group began with fresh membership in September 2019. With one meeting under our belt, we've discussed broad goals and developed a list of initiatives and focus areas (above) for further investigation.

Resources and Contact Information

- Contact information – Co-chair, Ethan Heil (heil@virginia.edu)
- Updated web page coming soon!