



Ayers Saint Gross
1040 Hull Street, Suite 100
Baltimore, Maryland 21230
410 347 8500

60 E. Rio Salado Pkwy, Suite 701
Tempe, Arizona 85281
480 921 1515

1100 First Street NE, Suite 800
Washington, DC 20002
202 628 1033

www.asg-architects.com

Project Name: University of Pittsburgh Master Plan

ASG Project #: 21735

Subject: Sustainability

Date: Wednesday, September 27, 2017

*Note: **Bold text** denotes a reoccurring comment*

Strengths

- Enthusiasm of students
- Decentralization of sustainability initiatives
- Lots of data
- Energy – Greenhouse Gas Emissions Study
- Pervious surfaces for an urban campus
- Senior leadership more open to discussion
- Champions
- Electric buses for the city in the works
- Implementing a “Green Team” within Facilities Management
- Self-awareness
- Sodexo (food service) is open to ideas
- Expanded edible garden, etc. thru housing and dining

Weaknesses/Disadvantages

- Decentralization....if they can't find a champion
- Desire for lowest price during procurement process leads to not always electing the most sustainable option
- Combined stormwater/sewer
- Not enough faculty/staff live within walking distance (B+D study + innovation district will help)
- Affordable housing
- Difficult to find large produces in the region

Opportunities

- Cross engagement of sustainability initiatives
- Connecting to the region & its energy
- Deeper analysis w/data + research
- More transparency
- Energy at a district scale (central plant)
- Aggregate buying power
- Increase capitalization through all of the partnership opportunities
- Wind power (visibility, redundancy)
- Hydro (rivers as a resource)
- PWSA / green infrastructure initiatives
- 3rd party funding streams
- Combined stormwater + transportation improvements (coordination)
- Mode shift (move away from single occupancy vehicles)
- Direct Current vs. Alternating Current

- Energy storage
- Pitt/CMU cogeneration
- Education – students don't know what Pitt is doing (create a public list of initiatives)
- Staff engagement/education (building operators)

Threats/Challenges

- Don't "green wash"
- Local power not always lowest cost
- Increasing precipitation
- Cost of infrastructure improvements (its old)
- Landlords