Introduction

* Teams site
* Meetings
* 3 groups to focus on each charge

Energy Management

* Create a lab energy saving tips sheet – turn off lights, shutdown equipment when not in use, use timers on equipment that need to be at temperature, etc. Part of Core Program responsibilities
* Shut the Sash program – sash alarms Develop manual program and update as Digital graphics become accurate and available (building DDC upgrades are ongoing and costly) part of Core Program
* Lab exhaust ventilation strategy for new construction and renovations LVMP (Lab Ventilation Management Plan) has been a part of ANSI since 2012 and would be great for an Industrial Hygienist position. DRS, EHS and F&S Safety work to collaborate on the LVRA (Lab Ventilation Risk Assessment) which leads to a dedicated LVMP program, perhaps could start with onboarding new researchers and PI’s and work to employ FTE to manage this program for campus.
* Policy on de-energizing and decommissioning hoods. Requires drafting a collaborated policy and document procedures with DRS, OVCRI, EHS and F&S Safety.
* Robust and equitable scoring system for prioritized building/space renovation funding list

Many stakeholders already use siloed versions of this across campus, i.e. Provost’s Office, individual Colleges and Departments, Capital Planning, Deferred Maintenance and F&S Utilities and Energy Services along with others. A committee or team could pull all of these perspectives together and coordinate an overall metric system to accommodate the many priorities that each stakeholder values.

Waste Management

* Disposal of hazardous waste marketing campaign – posters, video boards, short videos, etc. Core program- collaborate with DRS, safety, waste management and media departments.
* Composting of animal bedding and research plant waste- Collaborate with animal research community and verify that we can use the waste for composting, will need blessing & verification from biosafety, dirt, and grounds experts.
* Chemical inventory management for better purchasing, sharing, and reduced disposal. Core program would Survey what departments are currently doing verse campus guidelines and develop program for shared/streamline use and storage of chemical resources.
* Reuse of research equipment and supplies – establish some type of surplus system/warehouse, lobbying to change inventory laws so items can be sold instead of landfilled.
* Expanded recycling of research materials

Core program to develop both equipment and supplies to be incorporated into a shared lab equipment & supplies program, which involves creating web-based inventory and tracking mechanism, storage, and collection/distribution components. Can start smaller groups within Colleges or Departments and expand as funds and need dictate.

Water Conservation

* Plan for equipment cooling during construction/renovation to avoid one-pass water cooling.

Core program to work with F&S, Department heads and PI’s to develop design criteria for closed loop cooling applications possibly utilizing the chilled water loop when feasible for process cooling etc…

* Find cost-effective options to eliminate existing one-pass water cooling. Core program to implement electric vacuum pumps when possible and closed loop systems for benchtop applications.
* Establish program to install lab sink aerators and serrated nozzles to lower flow options

Core Program- Tackle these lab by lab and as funding/rebates afford, can be a good incentive to get the sustainable lab conversation rolling.

Space Utilization

* Inventory wet labs, departmental commitment to hire and assign based on number of wet labs assigned/agreed to, full utilization of wet labs – relocate occupants when they have no need for wet lab space, if extra space is unutilized find someone in need from another department.

This item is a larger collaborative effort that involves the deans and Department heads, Facility and Business managers, Provost’s office and various other stake holders, the Green Research Program could help identify opportunities and facilitate solutions to reduce space vacancies and smooth out off-boarding efficiencies.

* Establish and begin transitioning to a space utilization strategy to create flexible spaces and support the growth of interdisciplinary work. Sustainable lab design incorporates flexible spaces an effort that involves the PI’s, Deans, capital planning and other stakeholders to coordinate these types of designs. The Core Program can help advocate for these flexible spaces, identify and start conversations for flexible opportunities, break down barriers to communication and operating in silos.

Culture

* Top-down communications – who delivers the message matters- Communications from the Green Research vetted and approved by supervising executive team.
* Recognition program to establish positive peer pressure. Continue the Environmental Stewardship Award, Certification and various competition awards.
* Inter-departmental competitions (similar to the freezer challenge)- Core Program team would host these and keep them fun, educational and raise awareness.
* Survey to determine other opportunities, barriers, how to gain buy-in, etc. Core Program items that would provide a continuous feedback mechanism for new ideas, questions, concerns. Host brainstorming, education and awareness gathering opportunities to get like minded cohorts together and innovating new ideas and solutions.

Emerging Questions

* What happens after the final report? Who will implement?
* Should report recommendations be prioritized?
* Is it possible to implement some of the low-hanging fruit now?
* Is the October/November deadline firm?
* Should we be estimating resources?
* Should we recommend where a Green Research program should reside organizationally?