Steps being pursued to reduce the PI's carbon foot-print

1. Conduct energy audits of all PI facilities.
2. Install measurement systems to quantify and track energy consumption.
3. Adjust HVAC parameters (temperature, recycle air, etc.) for optimum energy use.
4. Install more thermostats.
5. Conduct lighting analysis of existing luminaries to minimize luminary usage without affecting lighting levels and quality.
6. Improve lighting (move towards use of highly efficient CFL and LEDs) and lighting control systems (dimmers, motion sensors and occupancy sensors)
7. Rewire or modify motion sensors where appropriate.
8. Earn ENERGY STAR label (25% more efficient than IECC standard buildings) for all existing PI building.
9. Improve cooling systems - programmable thermostats and variable refrigerant flow AC systems for all AC:
    a. Solar cooling research at PI to find out cost effective and
    b. GREEN air conditioning solutions
10. Study feasibility of replacing electric water heaters with solar hot water systems and heat pumps.
11. Evaluate water usage and automatic flushing systems.
12. Embrace ENERGY STAR products.
13. Design new PI buildings (ex. PIRC) with LEED (International standard for green buildings) and ENERGY STAR label (25% more efficient than International Energy Conservation Code standard building).
14. Retrofit existing constant 24/7 flow systems with variable control systems (laboratory fume hoods).
15. Raise awareness through training and education.
16. Recycle to include paper, plastics and aluminum.
17. IT initiatives - Turn computers off at end of work day, move to a paperless systems, minimize printing, etc.