

Purchased Electricity Group Mitigation Ideas

1. Solar street lights (individual solar powered street lights) - 1
2. Solar energy in general
3. Automatic lights around the buildings and in the bathrooms (on schedule or motion sensor...)
4. Purchase all of our electricity from renewable sources – 2
 - 100% renewable by 2030
5. Allow students to rent from renewable sources (ex: rent a solar panel)- 2
6. Floating photovoltaics on the water reservoir (don't need to find land) - 1
7. Build a utility scale solar array in or near Boone (MW or larger) - 3
8. Chemical carbon capture solvents tall absorption tower (at the source->heating group) - 2
9. NRLP online energy use app, make this campus wide for students, faculty and staff allows users to see how they are using their energy and possible ways for improvement (prius effect) - 4
10. Energy efficiency strategies, HVAC controls and other measures - 2
11. Political will, fund REI more & moratorium on athletics for a year - 8
12. Including community, students, faculty, staff (everyone) in the decision making, how to help the overall community
13. Internal carbon tax/cap - all departments within the university and NRLP
14. More education outreach to those outside of the sustainability bubble
15. Automatic electronics turn-off devices
16. Better building insulation, better windows, etc... for new buildings and any buildings being renovated - 3
17. Create competition between like buildings “contest” to encourage energy reductions, like a dorm to dorm competition or academic buildings (academics vs auxiliary) per square foot or compare years - 2
18. Public shaming for people using space heaters
19. Using ASU's ownership of NRLP for an ambitious net metering program to incentivize solar-2
20. Town, university, and NRLP work together more, interested in new NTE 2022 contract
21. Consolidate the use of campus buildings over the summer months - 3
 - Reducing the temperatures of the buildings during the summer, more marginal temperatures
22. Efficiencies in lighting around campus
23. Build a model building to see how far the technology can go (net positive) - 5
24. How do we measure the ROI of these projects? (change how we think about these investment projects are considered, life cycle costing for energy projects)
25. Building insulation - thicker insulation, especially when retro-fitting and new buildings
26. More wind energy - 2

- Smaller windmills that are more artistic or aesthetically pleasing – 2
 - Distributed wind/solar in collaboration with farmers
27. Relocating some funding into renewable or other energy projects
 28. Cooperation with local landowners when considering renewable energy projects (co-owners)
 29. Do more with biofuels
 30. Re-examine app state's relationship with Wells Fargo and look at different investment portfolios, divesting from certain projects
 31. Saving the community gardens, plant more trees around gardens to increase carbon capture
 32. Creating a campus wide set point for thermostats that can't be changed
 33. Appstate Energy efficiency provide revolving loan funds for low financial needs, on bill financing
 34. Hybrid buses for Appalcart - 3
 35. NRLP communication programs to customers to save money through energy efficiency strategies, individual meter monitoring - get the word out to change the culture, program is opt in right now and can be used on the phone
 36. Student enrollment caps (reducing population to keep energy in good management) - 3
 37. Community solar programs students and community members to buy into
 38. More transparency with NRLP energy contracts or somehow get the word out more...
 39. Solar pavements
 40. White pavements instead of black pavements reduces heat island effect
 41. ESCO companies and preventative maintenance for post occupancy of buildings -2
 42. Update systems to digital controls as we retrofit the older buildings that don't have them
 43. Generate electricity from landfill methane
 44. Hydro in general
 45. Divest from fossil fuels
 46. Install LED's across campus
 47. Stadium light management: install solar on new field house, balance light use with stadium occupancy