

# Sustainability

Theme	Name	Dept.	BOLD Idea	Benefit to Fresno State
	Selena Winchell	Recreation Administration	The first step would be to make a university wide policy that hard copies are not required. From there, there are a few different options available. We could maintain digital copies on the department level and/or send them to be recorded at the college level as well. There is also the option of implementing a submission system through PeopleSoft. Or using another software application for central storage and access to the necessary departments.	The money and time consumed by the current process could be more productive if we were able to focus those commodities on more student success oriented tasks and resources. We would save an uncountable amount of paper and trees showing our University to be one that is doing its part to cut down on wasting our natural resources. This will also reduce unnecessary stress and confusion by having one efficient standard across campus helping to promote a healthier work environment.
	Sherri Ochoa	Student Health Center	Go Green Campus Campaign - Eliminate most, if not, all brochures, handouts, campus information. Go electronic in almost everything, if not all information. All events, campus information, etc., should be sent electronically. Maybe a robust Fresno State App is needed that would include all of this information.	Save money by reducing printing, distribution, and development costs of handouts and flyers. It would also eliminate all the trash that is left behind on tables, counters, bulletin boards, and grounds.
	Christian Wandeler	Curriculum and Instruction	Be bold and install electric charging stations. We can collaborate with PG&E and Valley Air Board. How about installing solar panels and using that energy to charge up vehicles from students and faculty? One could even think about an employer contribution to the vehicles, some private companies do it. PG&E also offer reduced electricity rates.	It benefits students and faculty, shows commitment to environment and helps get valley air cleaner. As a university we need to be at the forefront of technological and social change! Campus fleet could be all electric.
	Steven Payne	Psychology	Trap-Neuter-Return (TNR) has been shown by many research studies and pilot programs to be extremely effective in reducing the population of feral cats. Stanford University currently has a campus-wide TNR program that has decreased the feral cat population from 1500 to 150 in just a few years. This program requires that individuals trap the cats on campus and have those cats spayed/neutered with a partnering animal shelter. Kittens can be transferred to the shelter to be adopted out, while the feral cats are returned to the campus to live out their lives. I believe a program like this could work well, and I have already found many people (students and faculty) who would be interested in pursuing such a program. I have also developed a research partnership with Valley Animal Center, who currently supports ongoing TNR programs throughout the valley.	This solution will help maintain and eventually decrease the population of feral cats on campus. Because a large population of cats could eventually compete for resources, including interfering with agricultural crops, it would be very beneficial to reduce their overall population. In addition, it helps spread good will throughout the community, showing that Fresno State Bulldogs care about animals. This TNR program could be done at very low cost to the university, and could be run by volunteers. In returning these cats to campus, they will help maintain the low population out by maintaining a territory that keeps un-neutered cats away, eventually reducing the overall population on campus. With the current policies in place, as cats are removed and euthanized, more cats will come into campus and breed, and thus the population will not be reduced.
	Ajith Weerasinghe	Mechanical Engineering	Remove all the trash cans from the individual offices and place/increase the communal recycling points for paper, cans and bio degradable materials.	This measure will reduce: the money spend on trash cans, trash bags and minimize the carbon foot print of Fresno State. This step will also make the people to get out of their chairs increasing the health benefits and the interaction with other people.
	Ajith Weerasinghe	Mechanical Engineering	Have a count of the number of pages printed by each individual and publish them against the average use per person and similar roles. There must also be a count of bundles of papers used in non-networked printers which are mostly by a particular individual.	This step will reduce the usage of printing paper drastically as most people will take several measures to reduce the usage as nobody will want to head such a list. This measure will also reduce the ink cartridges, electricity and the printers leading to financial savings and other benefits.
	Aimee McFarland	Finance & Business Law	Provide recycling containers for students to put their bottles and cans in.	Income from recycling; decrease in trash; promote the "environmentally friendly" attitude
	John Bushoven	Plant Science	Provide recycling containers for students to put their bottles and cans in.	Income from recycling; decrease in trash; promote the "environmentally friendly" attitude
	Samendra Sherchan	Public Health	My solution to the problem is to develop a course either on-campus or tablet and this course will investigate, discuss, and debate major emerging water quality issues which threaten our water sustainability and the regulatory paradigms to address these challenges and waterborne diseases associated with it. Specific issues include pathogens, endocrine disrupting chemicals, pharmaceuticals, unregulated disinfection by-products, perfluorinated organic compounds, algal toxins, nanoparticles, and others. Through this course, students will become educated as to the Federal and State paradigm for addressing emerging water contaminants, as well as discuss key examples from other countries.	Fresno State will be recognized as the water campus hub where students will learn about major discoveries in water quality and emerging contaminants (i.e., pathogens, viruses, endocrine disruptors and pharmaceuticals) and the path forward in terms of analytical and bioanalytical quantification techniques, water treatment, water quality, public health and green chemistry. They will also acquire an understanding of the drivers, advantages, limitations, and hurdles facing the implementation of water reuse throughout the world.