Fullerton College Waste and Energy Savings Initiatives

Waste Reduction

1. New building restrooms designed to utilize hand dryers, limiting paper towel dispensers which reduce the amount of paper waste generated.
2. Retrofitted or replaced over 6427 bulbs and fixtures with LED lights. LED lifespan is up to 10 times longer than traditional bulbs, reducing the amount of hazardous waste generated from spent fluorescent, metal halide and high pressure sodium vapor bulbs.
3. Installed 32 hydration stations across the campus. Estimated savings of over 400,000 single use plastic water bottles through November 2019.
4. New cleaning chemicals utilize a premixing dispensing system which eliminate mixing chemicals by hand, reducing the amount of chemicals used due to improper dilution ratios. With the exception of the disinfectant, all chemicals either have the UL Eco Logo, which certify the product has a reduced environmental impact, or they have the Green Seal which certifies the product has tangible reductions in the whole environmental footprint.
5. Cardboard and paper waste diversion program - Annual Waste Diverted: 29.9 tons *
6. Electronic waste diversion program - Annual Waste Diverted: 4.4 tons *

Energy

1. Roof repair and restorations projects utilize a cool roof system. Cool roofs reflect solar heat gain which reduce the amount of energy needed to cool buildings.
2. District design standards for new building construction must exceed Title 24 energy standards by 15%, and 10% for modernization of existing buildings. New construction and major renovations/modernization participate in the utility provider's Savings by Design incentive program.
3. Proposition 39 projects have resulted in an estimated reduction of over one million kWh of energy use annually which include lighting retrofits and installation of chiller VFD's across campus.
4. New solar array estimated to generate approximately 1 megawatt of electricity by 2025.

Water Use Reduction

1. Over 38,000 square feet of traditional landscaping has been replaced with drought tolerant landscaping. Drought tolerant plants along with a new drip irrigation system reduce the amount of water used. A weed barrier is also installed, limiting weed growth, decreasing the amount of herbicide needed for weed abatement.

- Based on latest Cal Recycle report period