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# EE Dept. Wins Grant for Solar Powered Service Golf Carts

*June 27, 2014*



The Electrical Engineering department competed for and won a 2014 grant from the Student Sustainability Fee in the amount of \$30,425. The goal of the project is to retrofit approximately 23 university electric golf carts with solar panels in order to allow the carts to charge throughout the day and thus reduce the energy demanded from traditional “wall plug” charging. If the initial golf cart charging experiment is successful, we will initiate future phases where we add additional charging devices to the golf carts such as: kinetic charging, piezoelectric sound charging, friction charging, regenerative brakes and regenerative shock absorber charging. The ultimate goal is to create a fully self-sustaining golf cart that no longer requires “wall plug” charging.

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