# Midwest Region Alternative Fuels Project

MO-UMKC

Metropolitan Energy Center | www.metroenergy.org | Kansas City Regional Clean Cities

## Project Profile: University of Missouri—Kansas City

University of Missouri—Kansas City (UMKC) is home to more than 15,000 students in Kansas City. Its green transportation initiatives include integrating student, faculty and staff all-access bus passes, increasing the number of bike racks and amenities, and developing a multi-modal parking structure to support cycling, bus commuting, pedestrians, ride-share and alternative fuel vehicles.


- UMKC students voted to pass the Student Transportation Fee Referendum. Since fall 2011, students pay a $14-per-semester fee for an all-access transit pass on the Kansas City Transportation Authority (KCATA) bus service.
- UMKC has 50 bicycles for its Clean Commute bike sharing program. The bikes are loaned out and can be chained to one of the 20 bike racks now installed on campus.
- Zipcar car sharing is available to UMKC students, faculty and staff.

### Alternative Fuel Vehicles

Through a subaward from the Kansas City Regional Clean Cities Coalition, UMKC purchased a Smith Electric Vehicles Newton electric truck for pick up and delivery of campus recycling. Wrapped with a design that promotes sustainability on campus using the UMKC Sustainability logo, the Newton truck is powered by the latest Lithium-Ion batteries and a 120kw electric motor, has a top speed of 50mph (80km) and a range in excess of 100 miles (160km) on a full charge. It can be recharged in six hours.

Newton was launched in the UK by Smith Electric Vehicles in 2006. It is produced in North America by Smith Electric Vehicles US Corporation, based in Kansas City, Mo.

Electric carts have been purchased to replace two cars used on campus. When possible, UMKC will buy its own E-85 vehicles and provide the appropriate fuel for these flexible-fuel cars.

### Funding

UMKC received funding from the Midwest Region Alternative Fuels Project for the electric truck and charging station.

**Electric stations: 1**

**Electric vehicles: 1**

**Gallons of gasoline displaced: 900 / yr**

**Total project cost: $153,590**

**Federal funds: $111,135**

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