



November 28, 2011

## Sustainable CU: Environmental Improvement Initiative Request for Capital Project Grant

### Description on Project:

In FY 2011/2012 Capital Expenditures were allotted to UMC Food Service to purchase a Mobile Espresso/Coffee Cart in order to generate extra revenue for The University Memorial Center. We were very interested in purchasing a cart that would be environmental friendly and flexible enough to use both indoors and outdoors. This cart will be used to sell coffee, light snacks, soup and sandwiches during the week. Additionally, this cart can be used for special events and catering.

### Innovation:

After extensive research we have identified a local Boulder company that manufactures coffee carts on bicycles. While BikeCaffe is primarily a franchise operation, they have agreed to manufacture a custom cart to meet our specific needs and allow us to purchase the cart outright from them. The Bikecaffe (<http://www.bikecaffe.com/>) is already environmentally friendly as it is not motorized. This will allow us to pedal to the event on campus rather than use a diesel powered truck. However, it does use a generator that must be recharged electrically. In order to minimize the environmental impact and maximize our efficiency, we would like to install a solar powered option to this unit. The refrigerator and water pump would be powered by solar.

The vendor is aware of the request to add the solar panel to the custom made cart. The cart been designed to specifications and they have provided a bid for budget purposes. Therefore, we do not know the exact cost of the solar panel addition. In order to comply with the State of Colorado procedures, we will have to provide a sole source justification along with our RFP. Originally, we requested \$10,000 to make the amendments to the established technology. However, it appears to be about \$6,500. If we utilize less, we would be happy to refund the unused amount.

### Student involvement:

The coffee cart would be run as an extension of Baby Doe's Sweets and Treats. As these areas are primarily student run, it would provide further employment and student development opportunities. The cart would be managed by our team of student supervisors. They would be challenged to run an environmentally friendly business in a cost effective manner.

Project schedule: We would like to order the cart to be manufactured by mid-January for a March delivery date. This would allow us to be ready to operate for the end of the spring semester or early summer.

#### Cost estimate for UMC Coffee cart:

BikeCaffe will sell UC Boulder one, fully equipped and health department ready BikeCaffe Quads for a discounted cost of \$23,860 each + taxes including solar amendments.

To include:

Sanyo 215 watt module

Morningstar SunSaver MPPT Charge Controller

Rack, wiring, fuses by Echelon Energy, LLC

This system would produce on average about 1kWh per day, enough to power the refrigerator and water pump. Cost is estimated to be approximately \$6,500

Coffee cart	\$17,860
Solar upgrade	\$6,000-\$6500
Smallwares and extra equipment	\$3,000

#### Social and Environmental Justice:

This coffee cart is a small part of a larger food service program operated at the UMC. UMC Food Service has committed to abide by a University wide Fair Food Value Statement which includes a focus on social justice in our purchasing practices. We purchase our coffee from Peet's;

<http://www.peets.com/learn/learn.asp>, a company that has demonstrated their commitment to Social and Environmental Justice. We predict that the bulk of our morning sales will be fresh brewed coffee. As with the rest of our program we will utilize compostable paper goods and minimize our waste.

#### Expected timeline:

Mid-December 2011:	Prepare sole source justification for Procurement Services, along with RFP
Mid-January 2012:	Place order with Bike Caffe
Early-mid March 2012:	Delivery of Cart to UMC
End of March 2012:	Employee training, during and immediately following Spring Break
April 2012:	Begin coffee service around UMC (dependent on the Euclid Underpass project), and prepare for summer catering season

Please let me know if you have any further questions.

Robin A Margolin  
Director, UMC Food Service  
University of Colorado – Boulder  
202 UCB  
1669 Euclid Ave.

A History of Unique Culinary Experiences