



# Council Communication

Office of the City Manager

<b>Date</b>	February 22, 2010
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<b>Agenda Item No.</b>	<b>34</b>
<b>Roll Call No.</b>	<b><u>10-</u></b>
<b>Communication No.</b>	<b><u>10-085</u></b>
<b>Submitted by: Randy Wetmore, Assistant City Manager</b>	

**AGENDA HEADING:**

Authorizing the Mayor to sign grant applications for funding from the Iowa Office of Energy Independence (OEI) as part of the Energy Efficiency and Conservation Block Grant Program (EECBG).

**SYNOPSIS:**

The OEI is requesting the submission of grant applications for reduction of energy use with \$2,878,300 available for all Iowa communities. Of the \$2,878,300, \$1,400,000 is available for transportation projects and \$1,478,300 for all other energy related projects. The purpose of the EECBG is to assist local governments in creating and implementing strategies to reduce fossil fuel emissions in an environmentally sustainable manner.

Applications must be submitted to the State, by the City of Des Moines, on or before the March 5, 2010 deadline. The application requires a minimum of a one to one dollar match. The City will not be responsible for the monetary match, except on the City of Des Moines projects.

The roll call authorizes the Mayor to sign applications for the following projects:

<i>Requested by</i>	<i>For</i>	<i>Application</i>
City of Des Moines	Heating/Ventilating Monitoring System	\$100,000
City of Des Moines	LED Street Lighting along MLK	\$ 75,000
World Food Prize**	Geothermal and Fan Coil system	\$131,095
DM Bike Collective**	Kiosk Bike System	\$100,000
Hubbell Reality**	Replacement of HVAC units	\$400,000

\* Up to a 10% monitoring and reporting fee is included in each application to cover City costs for the grant’s required monitoring and reporting activities. The City is ultimately responsible for making sure grant requirements are met, even for the non-City applicants.

\*\* The three non-City applicants are required by this program to partner with the City in order to submit funding requests. If these entities are awarded funding, the City is required to undertake monitoring and reporting on those projects; the City will execute a separate agreement with the entity on grant responsibilities. The City will not provide any of the required minimum matching funding on the non-city projects.

**FISCAL IMPACT:**

Amount: \$175,000

Funding Source: \$100,000 for the Heating/Ventilating Monitoring System. Municipal Buildings BLD042, CPO34, PKS990000, page 4. The \$75,000 for the LED will require reallocation of Capital Budget dollars.

### **ADDITIONAL INFORMATION:**

The purpose of the EECBG is to assist local governments in creating and implementing strategies to reduce fossil fuel emissions in an environmentally sustainable manner. Applications will be evaluated competitively on technical criteria including proposed energy use reduction, creation/retention of jobs and financial leveraging.

Below are brief summaries of the proposed applications.

#### City of Des Moines – Municipal Buildings

The current Global Climate Model (GCM) building monitoring system was installed in 1993 and originally set up for major pieces of equipment, such as a boiler, that alerts an operator of failure. The system has been upgraded a number of times and now includes five buildings. If the grant is awarded, an additional three buildings will be added. However, the system is very outdated and does not allow us to control or monitor the vital building systems. With the implementation of an expanded and updated control system, we will be able to monitor, control and track energy use in the five buildings.

Total Cost \$200,000. City Match \$100,000.

#### City of Des Moines – LED Traffic Fixtures

The proposed LED streetlight conversion project would replace approximately 87 existing fixtures, with an estimated cost of \$150,000. The lights would be installed along M.L. King, Jr. Parkway from Ingersoll Avenue south and east to SW 16<sup>th</sup> Street. If the requested grant amount of \$75,000 is approved, the City will need to provide matching funds of \$75,000.

Total Cost \$150,000. City Match \$75,000.

#### World Food Prize (100 Locust Street / former Central Library)

The World Food Prize Foundation is requesting \$131,095 towards a high efficiency geothermal heat pump system that will generate hot and chilled water to be used for heating and cooling of spaces; a dedicated outdoor air system that will recover heat from exhaust air and reduce energy consumption; and fan coil units with electronically commutated motors that are energy-efficient motors reducing electrical consumption.

Total Cost \$262,190. World Food Prize Match \$131,095.

#### Kiosk Bike System

The Des Moines Bike Collective proposes a Kiosk Bike System of stations and bikes to provide short-term bike rental through automated kiosks. The kiosks will be distributed in high and medium density areas throughout metropolitan Des Moines. This system will allow for one-way trips and affordable membership options. Users may check out a bike by credit card or membership card at a docking station. This core system will be deployed in a service area

bounded by the State Capitol on the east and the Meredith Campus on the west and from both medical campuses of Iowa Health and Mercy on the north to the Raccoon River on the south.

Total Cost \$200,000. Des Moines Bike Collective Match \$100,000.

Hubbell Realty - Kaleidoscope at the Hub HVAC (700 Walnut Street)

Kaleidoscope at the Hub is a mixed use building containing 96,740 square feet of office, retail and restaurant space. The proposed project is to replace eight roof top units built in 1984-1985 with high efficiency units.

Total Cost \$800,000. Hubbell Realty Match \$400,000.

Applications must be submitted to the Office of Energy Independence by March 5, 2010.

**PREVIOUS COUNCIL ACTION(S): NONE**

**BOARD/COMMISSION ACTION(S): NONE**

**ANTICIPATED ACTIONS AND FUTURE COMMITMENTS:**

Acceptance of grant, if awarded, and provide required matching funds.

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