

City of Grand Prairie EECBG Project

FACTS

LOCATION

Grand Prairie, Texas

PROJECT DATES

04/2009 – December 2010

PROJECT SIZE

Buildings: 39 | Projects: 76
Energy Master Plan

CONTRACT

Amount: \$2.8 million
Type: Negotiated/Open Book,
Design-Build, Performance
Contracting

GUARANTEED SAVINGS

Electricity: 901,695 kWh
Gas: 10,909 Therms
Utility: \$157,987

TEAM

OPERATIONS DIRECTOR

Michael Grabham, EIT, CEA, CEM,
CDSM

PROJECT DIRECTOR

Revvie Green P.E. LEED® AP

ENERGY ENGINEER

Alex Montano, CEM, LEED® AP

GRANT ADMINISTRATION

Rich Oliver

CONTACTS

Mr. Mike Foreman

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City of Grand Prairie

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PROJECT DETAILS

A thriving community located in the heart of the Dallas/Fort Worth metroplex, the City of Grand Prairie is currently leading a green, clean-tech revitalization on a scale that will soon rival the sustainable, high-performance buildings of cities such as Portland, Seattle, Albuquerque, and Austin.

McKinstry was hired as Grand Prairie's prime contractor in May 2009 to help secure American Recovery & Reinvestment Act (ARRA) funding. McKinstry originally assisted Grand Prairie in successfully applying for their formula Energy Efficiency and Conservation Block Grant of nearly \$1.5 million from the U.S. Department of Energy. This grant was leveraged with Grand Prairie's own funding resources, utility rebate programs, and LoanSTAR. McKinstry also successfully assisted the city in securing a Texas State Energy Conservation Office Renewable Energy Demonstration grant.

With this funding, McKinstry installed over 76 energy-efficiency upgrades to Grand Prairie facilities and created an Energy Master Plan that decreases energy-related expenditures for years to come. Improvements include upgrades to HVAC equipment, lighting systems, energy management control systems, as well as the installation of renewable technologies such as solar hot water systems and photovoltaic energy systems. McKinstry is also currently fulfilling the reporting accountability requirements of the ARRA Grant.

In alignment with President Obama's vision of stimulating the U.S. Economy, it is expected that this work will spur sustainable job creation, generate an annual cost-savings impact for the City of Grand Prairie, and contribute to a more environmentally sound city.

The projected annual utility savings for this project are 901,695 kWh, 242 kW, and 10,909 Therms. Annual projected savings to the city is \$157,987.