

American Recovery and Reinvestment Act of 2009 (ARRA)

Energy Efficiency and Conservation Block Grant (EECBG)

Update – May 2010



EECBG

- \$7,492,700 DOE formula-based block grant
- Published April 2009
- Developed ~ 50 EE project options
- Submitted for 6 EE project activities
- Submission deadline 6/25/09



EECBG

- Grant Awarded 12/27/09
- Contract term 12/27/09 - 12/27/12
- Activities benefit all City departments directly or indirectly
- Wide variety of projects



Activities/Projects

- Activity #1 – HVAC upgrades: Technicenter Building (\$1.7 million)
- Activity #2 – Exterior lighting and demo projects (\$610,000)
- Activity #3 – Hornsby Bend Biogas Project (\$1.25 million)
- Activity #4 – Interior lighting and lighting controls (\$1,347,500)
- Activity #5 – HVAC commissioning and controls (\$2,109,588)
- Activity #6 – Weatherization and duct sealing (\$475,612)

(Total Amount \$7,492,700)



Activity #1 – HVAC Renovations to the Technicenter Building

- Uses an existing performance contractor
- HVAC renovations
- New controls
- Thermal energy storage (chilled water)
- **Status:** Contractor Chevron Energy Solutions to perform HVAC renovations and thermal storage system; TES tank to be purchased by AE.



Activity #2 – Exterior lighting and demonstration projects

- Technologies include LEDs and Induction
- Possible candidates:
 - City Hall parking garage, surface parking lots, security lighting, and LED Streetlight Demonstration Project
- **Status:** City Hall parking garage lighting to be retrofitted by existing contractor FSG. IFB to be issued for additional retrofits with Council award scheduled for March 2011.



Activity #3 – Hornsby Bend Biogas Generation Project

- Hornsby Bend Sludge Treatment Plant to self-generate
- Replaces outdated equipment
- Uses methane from the digester process
- **Status:** Existing contractor Chevron Energy Solutions at 30% design phase by June 2010.



Activity #4 – Interior Lighting and Lighting Controls

- Lighting retrofits and controls (occupancy sensors, etc.)
- Group relamping with 28-watt high efficiency T8 lamps in every COA building
- Retrofits of high ceiling applications, atriums, stairwells, cove lighting
- HID High Bay replacements
- **Status:** Interior lighting to be retrofitted by existing contractor and City staff.



Activity #5 – Building Commissioning and HVAC Controls

- **Phase I Building Commissioning**
 - 15 large facilities identified for initial assignments
- **Phase II HVAC Controls**
 - Small to medium facilities for installation of thermostats with two-way communication
- **Status:** Recommissioning by the Texas A&M Energy Systems Lab, IFB to be issued for controls by December 2010.



Activity #6 – Weatherization and Duct Sealing

- Residential and light commercial type structures
 - Weather stripping and caulking
 - Window film/solar screens
 - Insulation
 - Sealing leaky duct work
- **Status:** An IFB is scheduled for release in December 2010.



Grant Funded Positions

- Activity #4 – Interior Lighting
 - 2 electricians
- Activity #5 - Recommissioning
 - 1 Conservation Program Specialist
 - 1 HVAC technician
- Activity #6 - Weatherization
 - 2 skilled temporary part-time positions



EECBG

- Internal resources assigned to project
 - 1 Project Officer
 - 1 Project Sponsor
 - 2 Project Managers
 - 2 Financial/Budget Analysts
 - 1 Labor Relations Officer
 - 1 Grants Coordinator
 - ARRA Recovery Team
 - (Budget/Audit/Purchasing)



Reporting Requirements

- Quarterly Reporting
 - Office of Management and Budget (OMB)
 - Progress Report (By 10th day of the first month of the new quarter)
 - U.S. Department of Energy
 - Progress report, Financial Status Report, and Spending Plan (By 30th day of 1st month of the new quarter)
- Monthly Reporting
 - U.S. Department of Energy
 - Progress report and Financial Status Report (By 30th day of the next month beginning May 2010)



DOE Spending Targets

- 20% of funds drawn down by September 30, 2010
- 50% of funds drawn down by June 30, 2011
- 90% of funds drawn down by June 30, 2012



Questions?

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