

EECBG Activity Worksheet

Grantee:	City of Texas City		Date:	06/17/2009
DUNS #:	10794535	Program Contact Email:	nfinan@texas-city-tx.org	
Program Contact First Name:	Nicholas	Last Name:	Finan	
Project Title:	Lighting Upgrade, HVAC Replacement, and Window Coating Energy Conservation Applications to R			
Activity:	5. Energy Efficiency Retrofits	If Other:		
Sector:	Public	If Other:		
Proposed Number of Jobs Created:	0.00	Proposed Number of Jobs Retained:	0.00	
Proposed Energy Saved and/or Renewable Energy Generated:	173,300 kWh annually			
Proposed GHG Emissions Reduced (CO2 Equivalents):				
Proposed Funds Leveraged:	\$22,877.00			
Proposed EECBG Budget:	43,600.00			
Projected Costs Within Budget:	Administration: \$0.00	Revolving Loans: \$0.00	Subgrants: \$0.00	
Project Contact First Name:	Nicholas	Last Name:	Finan	Email: nfinan@texas-city-tx.org
Metric Activity:	Government, School, Institutional Procurement		If Other:	

Project Summary: *(limit summary to space provided)*

The City of Texas City has had an informal plan for energy conservation for the past few years that has been funded as the budget allows or as the equipment needed replacement. Recently, the City of Texas City has joined a utility conservation program - City Smart - with Texas New Mexico Power and CLEAResult consulting to more formalize its conservation efforts and to better identify energy conservation measures. As part of the program, the city will be provided an audit and strategy to implement the findings. As part of the recent agreement, the city has already initiated an inventory of several energy conductors, in particular interior lighting, HVAC, and street lights. The consulting company will establish a master plan for the city to adopt, some of which will include some time lines for more critical areas where energy conservation can occur. The expected date for data gathering for the audit review is September 1, 2009. This has already been implemented prior to the submission of this grant.

The prior informal plan focused mainly on three items: 1)The City replaced existing T-12 lighting and other inefficient lighting in all buildings as needed. The plan was to convert to T-8 lighting as lights needed replacement. Through meetings with the consultant the program will be changed to include premium-efficiency ballasts, and lights already changed will have their ballasts changed. 2) The city has been replacing air conditioning units as the budget would allow or as needed to units with better ratings. At this time there are only two units that would need to be replaced. 3)The city has been experiencing extreme heat and several buildings have windows that have no shade or tinted glass to protect against solar radiation and infrared penetration. The City has been in the process of finding a film that will provide energy conservation and assist in protecting the window because of its location in the south and along the coast.

In preliminary meetings with CLEAResult, the city and consultant agreed these programs need to continue and for the grant both felt the City should submit on two that have been identified and would produce a benefit in a short time frame given the grant application deadline is prior to the completion of a master plan. Both programs would definitely be included within the audit, strategy, and master plan.

The second activity submitted for the grant is the energy conservation film. The City of Texas City has three buildings that contain numerous windows. The Police Station and Convention Center were constructed within the last 12 years, but the windows were not double insulated or heavily tinted windows. The Civic Center was connected to the Community Center which comprises half of the facility and that portion of the structure was built in the 1950's. The third building is city hall. It was built in 1955. Despite updating to the facility, the windows have basically remained the same with only changing of the framing without addition of tinting or double pains. In addition, Texas City is located along the gulf coast and subject to Hurricanes. The City took a direct hit last fall with Hurricane Ike. The City has investigated and will install a film that reduces solar heat as well as strengthens the windows to resist breakage from objects at high speeds. The expected reduction in heat penetration is 55% from solar heat entering through the windows. The placement of solar film on the windows is estimated at \$66,477. Should the estimate come in lower, the City would like to use the surplus to add to activity 1, the replacement/upgrade lighting in the various city buildings.

If you are proposing more than one activity, save this file as many times as needed with successive page numbers. For example: "OH-CITY-Columbus-Project Activity page 1.pdf," "OH-CITY-Columbus-Project Activity page 2.pdf," and continue as needed.