

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 and Window Coating Energy Conserv. Applications to Reduce Electricity Usage					
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:	222,000 kWh annually					
Proposed GHG Emissions Reduced (CO2 Equivalents):						
Proposed Funds Leveraged:	\$22,877.00					
Proposed EECBG Budget:	125,123.00					
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 first activity the city is submitting is for lighting. The City of Texas City has inventoried all of its buildings for florescent lights that will or could be upgraded. Over 3,500 lights meet the need criteria for ballast and/or bulb replacement/upgrades. The City will replace T-12 lighting fixtures and metal halide lights with two 3,100 lumen "Super T8" (high light output, 85 CRI) lamps and one premium-efficiency reduced output (0.77 ballast factor) instant-start ballast. For the purpose of the grant and this activity sheet the City has chosen to focus on replacing lights in the Criminal Justice Center (Police Department and Municipal Court) building, City Hall, the Community Center/Convention Center complex, and lights in two gyms within one of its recreation centers. There are a total of 2,004 light fixtures to be replaced. The total cost for an outside vendor is estimated at \$148,000. Should the estimate be less than that estimated, the city would like to either reduce its participation or increase the amount of lighting available to be sure to capture the full \$191,600 available in the grant. As indicated, the lighting inventory has identified a considerable number of fixtures that could be replaced/upgraded.

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.