

U. S. Department of Energy  
Energy Efficiency and Conservation Block Grant (EECBG) Program

**Grant Recipient – Lexington County**

**OBJECTIVE**

The purpose for this award is to implement the Energy Efficiency and Conservation Strategy in order to reduce fossil fuel emissions, reduce total energy use of eligible entities, and improve energy efficiency in the building sector, the transportation sector, and other appropriate sectors, along with creating jobs at the local level.

**PROJECT SCOPE**

The scope of work includes the following project sites reviewed and approved by the Department of Energy.

1. Administration Building
2. Auxiliary Administration Building
3. Batesburg Magistrate
4. Cayce Magistrate
5. Central Stores
6. The Old Courthouse
7. Fleet Services
8. Fire Station Lighting Retrofits
9. Public Works (Engineering)
10. Public Works (Transportation)
11. Sheriff Annex – Dorms
12. Sheriff Annex – Multipurpose
13. Library Emergency Management Systems
14. Fire Station Infrared Heaters
15. Building Services
16. Lawn Mower Exchange Program

### **Administration Building**

The goal of this project will be to save energy and create jobs by installing an HVAC unit and connecting the perimeter lighting to the EMS and replacing the lamp fixtures in the security lighting. The objective of the installation of the HVAC unit and connection of the perimeter lighting to the EMS and the replacement of the lamp fixtures in the security lighting will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to heat/cool the facility. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Auxiliary Administration Building**

The goal of this project will be to save energy and create jobs by installing an EMS for the facility and replacement of two HVAC units in two areas of the facility. The objective of the installation of the EMS and replacement of the two (2) HVAC units will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to heat/cool the facility. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Batesburg Magistrate (COMPLETE)**

The goal of this project will be to save energy and create jobs by installing a new air handler for the facility. The objective of the installation of the new air handler will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to heat/cool the facility. The County of Lexington plans 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Cayce Magistrate**

The goal of this project will be to reduce Greenhouse gases, save energy and create jobs by installing a new HVAC system for the facility. The objective of the installation of the new HVAC system will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to heat/cool the facility. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Central Stores**

The goal of this project will be to reduce Greenhouse gases, save energy and create jobs by installing two (2) HVAC units for the facility, replacement of the bay lighting lamps, and replacement of the overhead doors. The objective of the installation of two (2) HVAC units, the lighting and the bay doors will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to heat/cool the facility. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **The Courthouse**

The goal of this project will be to save energy and create jobs by installing a new air handler, new chiller and hot/chilled water pipes, new windows and replacement of interior lighting. The objective of the installation of the new air handler, chiller and hot water pipes, windows and interior lighting will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to heat/cool the facility. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Fleet Services**

The goal of this project will be to reduce Greenhouse gases, save energy and create jobs by installing new windows and insulated bay doors for the facility. The objective of the installation of new windows and insulated bay doors will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to heat/cool the facility. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Lighting Retrofits**

This project will include the installation of new interior lighting in a number of Fire Service buildings throughout Lexington County to include: *Amick's Ferry, Boiling Springs, Crossroads, Edmund, Fairview, Gaston, Gilbert, Hollow Creek, Lexington, Mack Edisto, Oak Grove, Pelion, Pine Grove, Red Bank, Round Hill, Sandy Run, Swansea, and South Congaree.*

The goal of this project will be to reduce Greenhouse gases, save energy and create jobs by installing new interior lighting for the facility. The objective of the installation of new interior lighting will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to light the facility. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Public Works (Engineering)**

The goal of this project will be to reduce Greenhouse gases, save energy and create jobs by installing new windows and interior lighting for the facility. The objective of the installation of the windows and lighting will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to heat/cool the facility. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Public Works (Transportation)**

The goal of this project will be to reduce Greenhouse gases, save energy and create jobs by installing new windows and interior lighting for the facility. The objective of the installation of the windows and lighting will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to heat/cool the facility. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Sheriff Annex – Dorms**

The goal of this project will be to reduce Greenhouse gases, save energy and create jobs by installing a new HVAC system for the facility. The objective of the installation of the new HVAC system will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to heat/cool the facility. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Sheriff Annex – Multipurpose**

The goal of this project will be to reduce Greenhouse gases, save energy and create jobs by installing an EMS and a new HVAC system for the facility. The objective of the installation of the new HVAC system and the connection of the EMS will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to heat/cool the facility. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Emergency Management Systems**

This project will include the installation of an energy management system (EMS) for the *Gaston, Chapin, Gilbert, South Congaree, and Swansea Libraries*.

The goal of this project will be to save energy and create jobs by installing an EMS for the facilities. The objective of the installation of the EMS will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to run the facilities. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Infrared Heaters**

This project will include the installation of infrared heaters in the *Gaston, Gilbert, and Red Bank Fire Stations*.

The goal of this project will be to save energy and create jobs by installing infrared heaters in the facilities. The objective of the installation of the infrared heaters will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to heat/cool the facility. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Building Services**

The goal of this project will be to save energy and create jobs by installing new windows in the facility. The objective of the installation of the new windows will be a reduction of reliance on fossil fuels/imported energy by reducing the amount of electricity needed to heat/cool the facility. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.

### **Lawn Mower Exchange Program**

This project will continue to implement the Lawn Mower Exchange Program for County residents to exchange gas-powered lawn mowers for electric lawn mowers resulting in the reduction of ground-level ozone pollution. The goal of this project will be to reduce fossil fuels and create jobs by implementing the Lawn Mower Exchange Program. The objective of the Lawn Mower Exchange Program is a reduction of reliance on fossil fuels by providing an alternative to gas-powered lawn mowers to more efficient, non-polluting electric mowers. The County of Lexington plans to 1) establish a baseline, 2) set a reduction target, 3) develop an action plan, 4) implement the action plan and 5) monitor and evaluate the impacts of the action plan.