

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project G Audit Implementation Scruggs Recreation Center

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Building Retrofits

% of Work Complete: 20

Activity Description:

The City of Huntsville has over 200 facilities and properties. The City has made upgrades through the years, upgrading several building components for energy conservation. The City of Huntsville completed an energy audit April 2008. The energy audit brought to light several areas the City can retrofit to make the facilities more energy efficient. An energy audit conducted in 2008 recommended changing out the HVAC unit. This project will change out one HVAC (unit only) at the Scruggs Recreation Center. This project will involve removing an air handling unit that is now a SEER 8. The existing unit is as follows: 20 ton Lennox split system air-conditioning unit. The existing unit was installed in 1992. 20 ton kw reading 25.1 kw/ton 1.40. The unit will be replaced with a new York E1FB240A25 20 ton heat pump condensing, one York F1EH240A heat pump air handler, two Reznor 300,000 natural gas duct furnaces with stainless combustion changer and heat exchanger (SEER 13). The kw savings will be 4,180.80 yearly and the carbon dioxide will be 3 metric tons of carbon dioxide for the 20 ton unit and 1,2542.40 kw savings over three years and 9 metric tons of carbon dioxide saved over three years.

Key Dates:

DESCRIPTION	START DATE	COMPLETION DATE
Activity Planned	09/01/2009	12/22/2009
Activity Actual	11/17/2009	

**FUNDS SUMMARY**

Activity Outlays by Source:

SOURCE/ CATEGORY	AGENCY/ DESCRIPTION	PLANNED	OUTLAYS TO DATE	% OF PLAN	01/01/2010- 03/31/2010			
Grant Funds								
Federal			2,976.00		2,976.00			
Total Grant Funds		100,000.00	2,976.00	3%	2,976.00			
<b>TOTAL OUTLAYS</b>		<b>100,000.00</b>	<b>2,976.00</b>	<b>3%</b>	<b>2,976.00</b>			

Restrictive Fund Details by Category:

USE OF FUNDS	FEDERAL PLANNED	FEDERAL COSTS TO DATE	% OF TOTAL FEDERAL COSTS	01/01/2010- 03/31/2010			
Total Subgrants (Sub-Recipients)	0.00	0.00	0%	0.00			

Subgrant Funds Details by Type:

## U.S. Department of Energy

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Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project G Audit Implementation Scruggs Recreation Center - continued -

Quarter: 01/01/2010 - 03/31/2010

Metric Activity: Building Retrofits

Status: Active

% of Work Complete: 20

## Subgrant Funds Details by Type:

SUBGRANT TYPE	SUBGRANTEE DESCRIPTION	PLANNED	OUTLAYS TO DATE	% OF TOTAL GRANT COSTS	01/01/2010-03/31/2010			
Vendors								
	Total Engineering Design		2,976.00		2,976.00			
Total Vendors			2,976.00		2,976.00			
<b>TOTAL SUBGRANTS</b>		0.00	2,976.00	0%				

**MILESTONES**

## Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			
Met with mechanical engineer to discuss goals and expectations of project.	100,000	0	0%	09/01/2009				0			
Plans completed by mechanical engineer and bid tab sheet reviewed. Bid should be awarded April 8th, 2010.	2,976	2,976	100%	12/21/2009	12/21/2009	04/08/2010	On-Time	2,976			

**METRICS**

Required Metrics

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
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Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project G Audit Implementation Scruggs Recreation Center - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Building Retrofits

% of Work Complete: 20

JOB METRICS	PLANNED	%	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Hours Worked</b>			15.0000	15.0000			
Total hours worked through Non-Federal funds			0.0000	0.0000			
Total hours worked through Recovery Act funds			15.0000	15.0000			
<b>Jobs Created</b>	2.0000	0%	0.0000	0.0000			
Jobs created through Recovery Act funds			0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Cost Savings</b>							
Dollars Saved	Dollars Saved	Dollars	0.00	0.00			
<b>Energy Savings</b>							
Reduction in electricity demand, by sector	Reduction in electricity demand (Sectors : Public)	Megawatts	0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Building Retrofits</b>							
Buildings retrofitted, by sector	Buildings retrofitted (Sectors : Public)	Count	0	0			
	Square footage retrofitted (Sectors : Public)	Squarefeet	0	0			

User Specified Metrics (Optional)

## U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
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Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project G Audit Implementation Scruggs Recreation Center - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Building Retrofits

% of Work Complete: 20

## User Specified Metrics (Optional)

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Efficiency Rating and Labeling</b>							
Energy-consuming devices for which energy-efficiency rating and labeling systems were endorsed by the grantee	Device endorsed? (Energy Consuming Devices : Room A/C)	Yes	0	0			

**QUALITATIVE DESCRIPTIONS**

Reporting Period: 01/01/2010- 03/31/2010

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.**

The plan is being followed and appears to be going smooth at this time.

**What we expect to accomplish during the next period**

The next quarter the contractor should be awarded the contract for this project. The work should be started and close to completion.

**Lessons Learned**

None yet. I am sure we will learn lessons all too soon.

**Major Activities, Significant Results, Major Findings, and Key Outcomes**

Plans for this project were drawn by the mechanical engineer and completed. The contractor should be awarded the HVAC work April 8th. The actual work should begin in about 4 weeks.

**What we planned to accomplish this period**

Plans for this project were drawn by the mechanical engineer and completed. The contractor should be awarded the HVAC work April 8th. The actual work should begin in about 4 weeks.

**Actual or Anticipated Problems or Delays and Corrective Action Plan**

No problems or delays foreseen at this time.

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period**

None. The contractor should order the HVAC unit this next quarter.

**Remarks**

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
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Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project G Audit Implementation Scruggs Recreation Center - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Building Retrofits

% of Work Complete: 20

Reporting Period: 01/01/2010- 03/31/2010

The City of Huntsville is proud to have this grant. We feel this project will reduce energy use and green house gasses.

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project F Implementation of Energy Audit Brahan Spring Recreation Center

Metric Activity: Building Retrofits

Quarter: 01/01/2010 - 03/31/2010

% of Work Complete: 20

Status: Active

Activity Description:

The City of Huntsville has over 200 facilities and properties. The City has made upgrades through the years upgrading several building components for energy conservation. The City of Huntsville completed an energy audit April 2008. The energy audit brought to light several areas the City can retrofit to make the facilities more energy efficient. An energy audit conducted in 2008 recommended changing out HVAC units. This project will change out the 1 HVAC (unit only) at the Brahan Spring Recreation Center. This project will involve removing an air handling unit with DX cooling and natural gas heat serving the old office and restroom areas and replace with new dual fuel heat pump. the unit at Brahan Springs recreation Center is now SEER 8. The existing unit was installed prior to 1991. The existing unit is as follows: AHU-1 7.5 ton kw reading 7.8 kw/ton 1.08 Natural Gas burner with 185,000 BTU input The unit will be replaced with a new York Affinity dual fuel heat pump (13 SEER) with a gas furnace (90%+AFUE) which will be energized when outside air temperature drops below 40 degrees F. The kw savings will be 1,567.8 yearly and the carbon dioxide will be 1.1 metric tons of carbon dioxide for the 7.5 ton unit and 4,703.4 kw savings over three years and 3.3 metric tons of carbon dioxide saved over three years.

Key Dates:

DESCRIPTION	START DATE	COMPLETION DATE
Activity Planned	09/01/2009	12/22/2009
Activity Actual	11/17/2009	

**FUNDS SUMMARY**

Activity Outlays by Source:

SOURCE/ CATEGORY	AGENCY/ DESCRIPTION	PLANNED	OUTLAYS TO DATE	% OF PLAN	01/01/2010- 03/31/2010			
Grant Funds								
Federal			1,785.00		1,785.00			
Total Grant Funds		60,000.00	1,785.00	3%	1,785.00			
<b>TOTAL OUTLAYS</b>		<b>60,000.00</b>	<b>1,785.00</b>	<b>3%</b>	<b>1,785.00</b>			

Restrictive Fund Details by Category:

USE OF FUNDS	FEDERAL PLANNED	FEDERAL COSTS TO DATE	% OF TOTAL FEDERAL COSTS	01/01/2010- 03/31/2010			
Total Subgrants (Sub-Recipients)	0.00	0.00	0%	0.00			

Subgrant Funds Details by Type:

## U.S. Department of Energy

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Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project F Implementation of Energy Audit Brahan Spring Recreation Center - continued -

Quarter: 01/01/2010 - 03/31/2010

Metric Activity: Building Retrofits

Status: Active

% of Work Complete: 20

## Subgrant Funds Details by Type:

SUBGRANT TYPE	SUBGRANTEE DESCRIPTION	PLANNED	OUTLAYS TO DATE	% OF TOTAL GRANT COSTS	01/01/2010-03/31/2010			
Vendors								
	Total Engineering Design		1,785.00		1,785.00			
Total Vendors			1,785.00		1,785.00			
TOTAL SUBGRANTS		0.00	1,785.00	0%				

MILESTONES

## Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			
Met with mechanical engineer to discuss goals and expectations.	60,000	0	0%	09/01/2009				0			
Plans for project drawn by mechanical engineer and bid tab sheet examined. Award set for April 8th.	1,785	1,785	100%	12/21/2009	12/21/2009	04/08/2010	On-Time	1,785			

METRICS

## Required Metrics

JOB METRICS	PLANNED	%	TOTALS TO DATE	01/01/2010-03/31/2010			

## U.S. Department of Energy

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Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project F Implementation of Energy Audit Brahan Spring Recreation Center - continued -

Quarter: 01/01/2010 - 03/31/2010

Metric Activity: Building Retrofits

Status: Active

% of Work Complete: 20

JOB METRICS	PLANNED	%	TOTALS TO DATE	01/01/2010- 03/31/2010			
<b>Hours Worked</b>			15.0000	15.0000			
Total hours worked through Non-Federal funds			0.0000	0.0000			
Total hours worked through Recovery Act funds			15.0000	15.0000			
<b>Jobs Created</b>	1.0000	0%	0.0000	0.0000			
Jobs created through Recovery Act funds			0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010- 03/31/2010			
<b>Energy Cost Savings</b>							
Dollars Saved	Dollars Saved	Dollars	0.00	0.00			
<b>Energy Savings</b>							
Reduction in electricity demand, by sector	Reduction in electricity demand (Sectors : Public)	Megawatts	0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010- 03/31/2010			
<b>Building Retrofits</b>							
Buildings retrofitted, by sector	Buildings retrofitted (Sectors : Public)	Count	0	0			
	Square footage retrofitted (Sectors : Public)	Squarefeet	0	0			

User Specified Metrics (Optional)

## U.S. Department of Energy

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Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project F Implementation of Energy Audit Brahan Spring Recreation Center - continued -

Quarter: 01/01/2010 - 03/31/2010

Metric Activity: Building Retrofits

Status: Active

% of Work Complete: 20

## User Specified Metrics (Optional)

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Efficiency Rating and Labeling</b>							
Energy-consuming devices for which energy-efficiency rating and labeling systems were endorsed by the grantee	Device endorsed? (Energy Consuming Devices : Room A/C)	Yes	0	0			

**QUALITATIVE DESCRIPTIONS**

Reporting Period: 01/01/2010- 03/31/2010

<b>Are you following the Plan? If not, describe the change in approach, and reasons for the change.</b>
The plan is being followed currently. We do not see any problems or changes any time during this project.
<b>What we expect to accomplish during the next period</b>
The next quarter the contract for work should be awarded and the work started. The project should be well on the way by the end of next quarter.
<b>Lessons Learned</b>
None at this time. I'm sure as the project develops there will be things we wished we did different. Currently the project is going as planned.
<b>Major Activities, Significant Results, Major Findings, and Key Outcomes</b>
The mechanical engineer has completed the drawings and the bid for contractor sent out. The contract should be awarded to the HVAC work April 8th, 2010.
<b>What we planned to accomplish this period</b>
The mechanical engineer has completed the drawings and the bid for contractor sent out. The contract should be awarded for the HVAC work April 8th, 2010.
<b>Actual or Anticipated Problems or Delays and Corrective Action Plan</b>
No problems are anticipated at this time. The project is going as planned.
<b>Products Produced or Technology Transfer Activities Accomplished During the Reporting Period</b>
None. The during the next quarter the contractor will order the HVAC Units.
<b>Remarks</b>
The City of Huntsville is proud to have this grant and anticipates this project to save energy and green house gasses.

U.S. Department of Energy

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Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project F Implementation of Energy Audit Brahan Spring Recreation Center - continued -

Quarter: 01/01/2010 - 03/31/2010

Metric Activity: Building Retrofits

Status: Active

% of Work Complete: 20

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project E Implementation of Audit: Animal Control Services

Metric Activity: Building Retrofits

Quarter: 01/01/2010 - 03/31/2010

% of Work Complete: 20

Status: Active

Activity Description:

The City of Huntsville has over 200 facilities and properties. The City has made upgrades through the year, upgrading several building components for energy conservation. The City of Huntsville completed an energy audit in April 2008. The energy audit brought to light several areas the City can retrofit to make the facilities more energy efficient. An energy audit conducted in 2008 recommended changing out HVAC units. This project will change out the three HVAC (units only) at the Animal Control Services Department. this project will involve removing three air handling units with DX cooling and natural gas heat serving the front of the facility and replace them with new dual fuel heat pumps and tie into the Honeywell Control System. The units at Animal Control Services are now SEER 10. The existing units are as follows: AHU-1 5 ton kw reading 5.6 kw/ton 1.15 AHU-2 6 ton kw reading 7.6 kw/ton 1.19 AHU-3 8 ton kw reading 8.8 kw/ton 1.22 Each unit will be replaced with a new York Affinity dual fuel heat pump (13 SEER) with a gas furnace (90% + AFUE) which will be energized when outside air temperature drops below 40 degrees F.

Key Dates:

DESCRIPTION	START DATE	COMPLETION DATE
Activity Planned	09/01/2009	12/22/2009
Activity Actual	11/17/2009	

**FUNDS SUMMARY**

Activity Outlays by Source:

SOURCE/ CATEGORY	AGENCY/ DESCRIPTION	PLANNED	OUTLAYS TO DATE	% OF PLAN	01/01/2010- 03/31/2010			
Grant Funds								
Federal			1,195.00		1,195.00			
Total Grant Funds		40,000.00	1,195.00	3%	1,195.00			
<b>TOTAL OUTLAYS</b>		<b>40,000.00</b>	<b>1,195.00</b>	<b>3%</b>	<b>1,195.00</b>			

Restrictive Fund Details by Category:

USE OF FUNDS	FEDERAL PLANNED	FEDERAL COSTS TO DATE	% OF TOTAL FEDERAL COSTS	01/01/2010- 03/31/2010			
Total Subgrants (Sub-Recipients)	0.00	0.00	0%	0.00			

Subgrant Funds Details by Type:

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

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Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project E Implementation of Audit: Animal Control Services - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Building Retrofits

% of Work Complete: 20

Subgrant Funds Details by Type:

SUBGRANT TYPE	SUBGRANTEE DESCRIPTION	PLANNED	OUTLAYS TO DATE	% OF TOTAL GRANT COSTS	01/01/2010-03/31/2010			
Vendors								
	Total Engineering Design		1,195.00		1,195.00			
Total Vendors			1,195.00		1,195.00			
<b>TOTAL SUBGRANTS</b>		0.00	1,195.00	0%				

**MILESTONES**

Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			
Met with mechanical engineer and discussed goals and expectations.	40,000	0	0%	09/01/2009				0			
Plans completed and Project bid. Bid tab sheet being reviewed and set to be awarded April 8th, 2010	1,195	1,195	100%	01/08/2010	01/08/2010	03/16/2010	On-Time	1,195			

**METRICS**

Required Metrics

JOB METRICS	PLANNED	%	TOTALS TO DATE	01/01/2010-03/31/2010			

U.S. Department of Energy

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Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project E Implementation of Audit: Animal Control Services - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Building Retrofits

% of Work Complete: 20

JOB METRICS	PLANNED	%	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Hours Worked</b>			20.0000	20.0000			
Total hours worked through Non-Federal funds			0.0000	0.0000			
Total hours worked through Recovery Act funds			20.0000	20.0000			
<b>Jobs Created</b>	2.0000	0%	0.0000	0.0000			
Jobs created through Recovery Act funds			0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Cost Savings</b>							
Dollars Saved	Dollars Saved	Dollars	0.00	0.00			
<b>Energy Savings</b>							
Reduction in electricity demand, by sector	Reduction in electricity demand (Sectors : Public)	Megawatts	0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Building Retrofits</b>							
Buildings retrofitted, by sector	Buildings retrofitted (Sectors : Public)	Count	0	0			
	Square footage retrofitted (Sectors : Public)	Squarefeet	0	0			

User Specified Metrics (Optional)

## U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

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Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project E Implementation of Audit: Animal Control Services - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Building Retrofits

% of Work Complete: 20

## User Specified Metrics (Optional)

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Efficiency Rating and Labeling</b>							
Energy-consuming devices for which energy-efficiency rating and labeling systems were endorsed by the grantee	Device endorsed? (Energy Consuming Devices : Room A/C)	Yes	0	0			

**QUALITATIVE DESCRIPTIONS**

Reporting Period: 01/01/2010- 03/31/2010

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.**

The plan is being followed. When this grant was approved, the plan has developed as specified.

**What we expect to accomplish during the next period**

The next quarter the contractor should be awarded and work started and close to completion.

**Lessons Learned**

None yet. The project is shaping up and the real work is about to begin.

**Major Activities, Significant Results, Major Findings, and Key Outcomes**

Plans were drawn and the project bid out. The contract will be awarded April 8th and actual work started in 4 weeks.

**What we planned to accomplish this period**

We planned on completing plans this quarter and awarding the contract.

**Actual or Anticipated Problems or Delays and Corrective Action Plan**

None.

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period**

None. The contractor should order the HVAC units this next quarter.

**Remarks**

The City of Huntsville is proud to have this grant and anticipates it to save a lot of energy and reduce green house gasses.

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project E Implementation of Audit: Animal Control Services - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Building Retrofits

% of Work Complete: 20

## U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project H Green 13 Sustainability Consultant

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Energy Efficiency Rating and Labeling

% of Work Complete: 20

## Activity Description:

The City of Huntsville will devote \$75,000.00 of the block grant to fund a consultant to propel the activities of the City of Huntsville's Green 13 Sustainability Planning project through October 2010, with a technical consultant. The consultant will be the backbone of the City's sustainability project. The consultant will coordinate partnerships among city departments, Local entities, Corporations, and Universities in order to create lasting projects, which will either reduce energy consumption or create more sustainable energy sources. The consultant will be committed to encouraging economic growth locally by searching for new industries for the City and stimulating entrepreneurship in the energy sector. The Technical Consultant will be critical in organizing projects and arranging meetings for partnership projects. The consultant will report to Green 13 members as they plan tasks needed to achieve the goals. The sustainability plan will encompass plans for governing the City's Green 13 activities. The Green 13 will present to the Mayor a new Green Sustainability Report Card for Huntsville's Green Future, and an initial report on "How Huntsville City Government Can Lead the Nation in Green Sustainable Initiatives". The report will provide recommendations categorized in Energy, Natural Environment, and the Built Environment. The consultant report will also address Policy, Economic Development, Education, and Technology. The report will present actionable recommendations as short-term, medium-term, and long-term initiatives. One Technical Consultant \$74,000.00 Grant Administrative Costs \$ 1,000.00 Total Grant Funds Allocated for this Project \$75,000.00

## Key Dates:

DESCRIPTION	START DATE	COMPLETION DATE
Activity Planned	10/01/2009	09/30/2010
Activity Actual	10/01/2009	

**FUNDS SUMMARY**

## Activity Outlays by Source:

SOURCE/ CATEGORY	AGENCY/ DESCRIPTION	PLANNED	OUTLAYS TO DATE	% OF PLAN	01/01/2010- 03/31/2010			
Grant Funds								
Federal			13,451.00		13,451.00			
Total Grant Funds		75,000.00	13,451.00	18%	13,451.00			
<b>TOTAL OUTLAYS</b>		<b>75,000.00</b>	<b>13,451.00</b>	<b>18%</b>	<b>13,451.00</b>			

## Restrictive Fund Details by Category:

USE OF FUNDS	FEDERAL PLANNED	FEDERAL COSTS TO DATE	% OF TOTAL FEDERAL COSTS	01/01/2010- 03/31/2010			
Total Subgrants (Sub-Recipients)	0.00	0.00	0%	0.00			

## U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\*

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project H Green 13 Sustainability Consultant - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Energy Efficiency Rating and Labeling

% of Work Complete: 20

## Subgrant Funds Details by Type:

SUBGRANT TYPE	SUBGRANTEE DESCRIPTION	PLANNED	OUTLAYS TO DATE	% OF TOTAL GRANT COSTS	01/01/2010-03/31/2010			
Vendors								
	Colorzpress		13,451.00		13,451.00			
Total Vendors			13,451.00		13,451.00			
<b>TOTAL SUBGRANTS</b>		0.00	13,451.00	0%				

**MILESTONES**

## Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			
Preliminary discussions with the Green 13 Chairman were held to discuss the consultants role and what the RFP was to include. Additional discussion will be held in January of 2010 and an RFP sent out.	75,000	0	0%	10/01/2009				0			

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project H Green 13 Sustainability Consultant - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Energy Efficiency Rating and Labeling

% of Work Complete: 20

**MILESTONES**

Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			
The funds were used for the printing of the Green 13 sustainable report for the City of Huntsville. The report will be used for the consultant to base his findings and incorporate in the City of Huntsville's Book of Construction Standards for future projects.	13,451	13,451	100%	10/01/2009	10/01/2009	03/01/2010	On-Time	13,451			

**METRICS**

Required Metrics

JOB METRICS	PLANNED	%	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Hours Worked</b>			0.0000	0.0000			
Total hours worked through Non-Federal funds			0.0000	0.0000			
Total hours worked through Recovery Act funds			0.0000	0.0000			
<b>Jobs Created</b>	1.0000	0%	0.0000	0.0000			
Jobs created through Recovery Act funds			0.0000	0.0000			

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project H Green 13 Sustainability Consultant - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Energy Efficiency Rating and Labeling

% of Work Complete: 20

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Emissions Reductions</b>							
Criteria air pollutants reduced	Criteria air pollutants reduced	Tons	0.0000	0.0000			
<b>Energy Cost Savings</b>							
Dollars Saved	Dollars Saved	Dollars	0.00	0.00			
<b>Energy Savings</b>							
Reduction in electricity demand, by sector	Reduction in electricity demand (Sectors : Public)	Megawatts	0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Efficiency Rating and Labeling</b>							
Energy-consuming devices for which energy-efficiency rating and labeling systems were endorsed by the grantee	Device endorsed? (Energy Consuming Devices : Audio equipment)	Yes	0	0			

User Specified Metrics (Optional)

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Other</b>							
Other	Value (Other : Other)	Count	0.0000	0.0000			

## U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\*

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project H Green 13 Sustainability Consultant - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Energy Efficiency Rating and Labeling

% of Work Complete: 20

**QUALITATIVE DESCRIPTIONS**

Reporting Period: 01/01/2010- 03/31/2010

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.**

The plan is being followed. The consultant will review and analyze the "Built Environment" recommendations of the Green 13 Sustainable report. The consultant will incorporate the Green 13 recommendations into the "City of Huntsville's Construction Standards".

**What we expect to accomplish during the next period**

The consultant should be awarded April 8th, 2010. The consultant should start visiting City of Huntsville facilities and creating a list of energy saving items and sustainable items that the city can incorporate into the Book of Standards.

**Lessons Learned**

The Green 13 team had a lot of different individual members very knowledgeable. The consultant will pull the Green 13 report and put the "Built Environmental" portion of the report into a meaningful useful tool for the City of Huntsville to use now and in the future. The Green 13 and General Services Division would have more dialogue given the chance, with a clear understanding.

**Major Activities, Significant Results, Major Findings, and Key Outcomes**

The Green 13 Sustainable report for the City of Huntsville was completed and recommendations made. The report was printed and a consultant should be under contract by April 8th, 2010.

**What we planned to accomplish this period**

The City of Huntsville planned on having a consultant already on contract with the City of Huntsville for this project. The consultant was chosen for their expertise in this field and familiarity with this area and climate.

**Actual or Anticipated Problems or Delays and Corrective Action Plan**

The project should be on track and any delays with hiring a consultant over come.

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period**

The Green 13 report was produced and printed. This is the key for the consultant to use for the remainder of the project.

**Remarks**

The City of Huntsville is proud to have this grant and we look forward to using the information gathered to make Huntsville an more energy efficient and sustainable city.

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project H Green 13 Sustainability Consultant - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Energy Efficiency Rating and Labeling

% of Work Complete: 20

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project I Fleet Insulation Roofing Project

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Energy Efficiency Rating and Labeling

% of Work Complete: 18

Activity Description:

The City of Huntsville would like to allocate \$584,100.00 to retrofit the insulation qualities on the roof of the City's Fleet Facility locate at 4203 East Schrimsher Lane. The facility currently has 3" inches of roof insulation that is saturated from occasional leaks. The City spends enormous amounts of gas and electric to heat and cool the facility. The facility was constructed in 1963 and the existing metal roof is the original. It is a dark roof due to the rusted corrugated metal. This project would involve installing a insulation. The project would use a simple saver system which would layer approximately 9 1/2" inches of insulation. The white vinyl sheet would then be stretched underneath. A new metal roof will be installed which will reflect the sun's rays much more efficiently. The "Cool Roof" will be light color and have a "Solar Reflectance Rating" of 29. The R Value from the insulation on the roof should be brought up to a R-20. The existing rusted metal roof would be recycled. The building is not on a Historical Register nor is it eligible. The facility should receive a 10% utility savings for this Project. The electric should be reduced 30,600 KVA per year and 91,800 KVA over the 3 year grant period. This should reduce the carbon dioxide by 22 metric tons per year with a reduction of almost 66 metric tons over the 3 year grant period. Insulation and Roofing \$ 581,100.00 Grant Administration \$ 3,000.00 Total \$ 584,100.00

Key Dates:

DESCRIPTION	START DATE	COMPLETION DATE
Activity Planned	12/01/2009	11/01/2010
Activity Actual	12/01/2009	

**MILESTONES**

Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			
Met with architect and discussed project. Reviewed grant requirements, goals, and expectations.	584,100	0	0%	12/01/2009				0			

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project I Fleet Insulation Roofing Project - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Energy Efficiency Rating and Labeling

% of Work Complete: 18

**MILESTONES**

Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			
Cool Roof Project Architectural plans 90 % completed. Final review awaiting okay for added steel structural brancing.	0	0	0%	12/10/2009	12/10/2009	04/01/2010	On-Time	0			

**METRICS**

Required Metrics

JOB METRICS	PLANNED	%	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Hours Worked</b>			0.0000	0.0000			
Total hours worked through Non-Federal funds			0.0000	0.0000			
Total hours worked through Recovery Act funds			0.0000	0.0000			
<b>Jobs Created</b>	8.0000	0%	0.0000	0.0000			
Jobs created through Recovery Act funds			0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Cost Savings</b>							
Dollars Saved	Dollars Saved	Dollars	0.00	0.00			
<b>Energy Savings</b>							

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project I Fleet Insulation Roofing Project - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Energy Efficiency Rating and Labeling

% of Work Complete: 18

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Savings</b>							
Reduction in electricity demand, by sector	Reduction in electricity demand (Sectors : Public)	Megawatts	0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Efficiency Rating and Labeling</b>							
Energy-consuming devices for which energy-efficiency rating and labeling systems were endorsed by the grantee	Device endorsed? (Energy Consuming Devices : Multi-function device)	Yes	0	0			

User Specified Metrics (Optional)

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Building Retrofits</b>							
Buildings retrofitted, by sector	Buildings retrofitted (Sectors : Public)	Count	0	0			
	Square footage retrofitted (Sectors : Public)	Squarefeet	0	0			

**QUALITATIVE DESCRIPTIONS**

Reporting Period: 01/01/2010- 03/31/2010

<b>Are you following the Plan? If not, describe the change in approach, and reasons for the change.</b>
The plan is being followed with the exception of additional bracing required to support the new "Cool Roof". Once approved, the Project can incorporate the unanticipated bracing and steel members required to meet the Building Code in order to support the "Cool Roof".

## U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\*

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project I Fleet Insulation Roofing Project - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Energy Efficiency Rating and Labeling

% of Work Complete: 18

Reporting Period: 01/01/2010- 03/31/2010

**What we expect to accomplish during the next period**

The plans should be complete this next quarter and an answer if we can incorporate the additional bracing to support the new "Cool Roof". A contractor should be contracted to begin the work.

**Lessons Learned**

Even in the simplest projects, unexpected events can arise that slow the process down. The additional bracing and steel members needed to meet Building Codes were unforeseen but required.

**Major Activities, Significant Results, Major Findings, and Key Outcomes**

Several meetings with the architect and structural engineers took place during the last quarter. The plans are being completed and are currently 90% completed and reviewed. The Building Code requirements and structural engineer's letter sent to the Department of Energy for approval to add the bracing and structural members.

**What we planned to accomplish this period**

Several meetings with the architect and structural engineers took place during the last quarter. The plans are being completed and are currently 90% completed and reviewed. The Building Code requirements and structural engineer's letter sent to the Department of Energy for approval to add the bracing and structural members.

**Actual or Anticipated Problems or Delays and Corrective Action Plan**

No anticipated delays are expected for this project. If the Department of Energy does not allow for added bracing and steel members, the project will be compromised greatly.

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period**

None

**Remarks**

The City of Huntsville is proud to have this grant and know that it will save a lot on energy consumption and reduce green house gasses.

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project B Equipping city Vehicles with AVLS

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Transportation

% of Work Complete: 18

Activity Description:

The City of Huntsville has approximately 850 vehicles in use, excluding the Police and Fire Department vehicles. In order to reduce fuel costs and in turn, reduce greenhouse gases, it is the goal of the City to equip these 850 vehicles with Automatic Vehicle Location (AVL) devices. Equipping the vehicles with AVLs will: Reduce fuel consumption by monitoring the speeds the vehicles travel Vehicles are the most efficient at speeds between 50-55 miles per hour. Vehicles traveling at higher speeds will be identified. It is expected that fuel costs will be reduced by approximately 13.2%, according to a study by the Aberdeen Group. the study recognizes that by utilizing the AVLs, it will reduce the technician's time in transit and increase workforce productivity while decreasing costs. The reduction in transit time is accomplished by tracking, scheduling, and routing vehicles. Reduce greenhouse gases by reducing fuel consumption An hour of engine idling results in the consumption of one gallon of fuel. The AVL system records idle time when the vehicle engine is running, but not mobile. By monitoring the idling time, changes in driving behavior will reduce the fuel consumption. Other benefits to the AVL system that would reduce fuel consumption are: monitoring speeds, eliminating routes that are not cost efficient, and tracking vehicles that are not within the correct areas. The reduction of fuel will improve air quality. Reduce servicing and delivery times and potentially reduce overtime rates The direct routing of vehicles would increase energy efficiency and reduce consumption in teh transportation sector. An indirect benefit to the AVL ssystem would be to ensure that employees are doing their tasks and doing them in a manner that is cost effective. The 850 vehicles currently utilize 467,395 gallons of gas annually. A 10% reduction in fuel cost would save 46,739 gallons of gas annually and 140,217 gallons of gas over the three year grant period. This would reduce greenhouse gas emissions by 412 metric tons of carbon dioxide per year and 1,235 metric tons of carbon dioxide over the three year grant recording period. The project benefits will last much longer than the three year reporting period required by the grant. As a vehicle's life cycle has been completed, the AVL can be removed from that vehicle and re-installed on another vehicle allotted to that same employee.

Key Dates:

DESCRIPTION	START DATE	COMPLETION DATE
Activity Planned	09/01/2009	08/03/2010
Activity Actual	09/01/2009	

**MILESTONES**

Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project B Equipping city Vehicles with AVL's - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Transportation

% of Work Complete: 18

**MILESTONES**

Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			
Purchase and install AVL's for City vehicles. This will lower gas consumption and lower green house emissions.	500,000	0	0%	09/01/2009				0			

**METRICS**

Required Metrics

JOB METRICS	PLANNED	%	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Hours Worked</b>			50.0000	50.0000			
Total hours worked through Non-Federal funds			50.0000	50.0000			
Total hours worked through Recovery Act funds			0.0000	0.0000			
<b>Jobs Created</b>	6.0000	0%	0.0000	0.0000			
Jobs created through Recovery Act funds			0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Emissions Reductions</b>							
Criteria air pollutants reduced	Criteria air pollutants reduced	Tons	0.0000	0.0000			

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project B Equipping city Vehicles with AVLS - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Transportation

% of Work Complete: 18

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Cost Savings</b>							
Dollars Saved	Dollars Saved	Dollars	0.00	0.00			
<b>Energy Savings</b>							
Reduction in gasoline consumption, by sector	Reduction in gasoline and diesel fuel consumption (Sectors : Transportation)	Gallons	0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Transportation</b>							
Conventional vehicles converted to alternative fuel use	Vehicles converted	Count	0	0			

User Specified Metrics (Optional)

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Other</b>							
Other	Value (Other : Other)	Count	0.0000	0.0000			

**QUALITATIVE DESCRIPTIONS**

Reporting Period: 01/01/2010- 03/31/2010

**Are you following the Plan? If not, describe the change in approach, and reasons for the change.**

The plan is being followed. We did not plan on putting the AVL Systems out for bid twice. The completed time frame for this project will be close because of a possible re-bid.

**What we expect to accomplish during the next period**

## U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\*

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project B Equipping city Vehicles with AVLS - continued -

Metric Activity: Transportation

Quarter: 01/01/2010 - 03/31/2010

% of Work Complete: 18

Status: Active

Reporting Period: 01/01/2010- 03/31/2010

We hope to award the AVL bid to a company. It should be a lock and key project with minimal installation.

**Lessons Learned**

Even with a specific RFP, it is hard to get apples for apples on AVL systems. It appears all the AVL companies have very different units and functions.

**Major Activities, Significant Results, Major Findings, and Key Outcomes**

RFP went out and reviewed for the AVL Project. After reviewing the bids, the City of Huntsville is contemplating only getting bids on a passive AVL system. We are trying to get the most bang for the buck with the AVL system.

**What we planned to accomplish this period**

The City of Huntsville hoped to award the bid for the AVL's at this time. We should award the bid during the next quarter after a new passive bid RFP is issued.

**Actual or Anticipated Problems or Delays and Corrective Action Plan**

We may experience a delay on this project because we may need to put the AVL's back out for bid. The current time frame will be really close.

**Products Produced or Technology Transfer Activities Accomplished During the Reporting Period**

Reviewed the current bid AVL's and Systems. It appears that a passive system is going to be the system Huntsville utilizes based on price.

**Remarks**

The City of Huntsville appreciates the grant and intends to utilize this project as a starting point to save energy. It is the City's intent to purchase more AVL's after this grant project is completed, depending on available funds.

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: General Services Honeywell Building Control System

Metric Activity: Energy Efficiency Rating and Labeling

Quarter: 01/01/2010 - 03/31/2010

% of Work Complete: 2

Status: Active

Activity Description:

GENERAL SERVICES Honeywell Building Control System Project C \$100,000.00 The City of Huntsville has over 200 facilities and properties. The City has made upgrades through the years upgrading several building components for energy conservation. In April Of 2009, Honeywell developed a software system to track when, where, and how much energy is used for facilities. With this knowledge acquired using the Energy Analytics, we can make informed decisions on how to use energy in the most efficient, cost effective manner. This WEBS-AX Energy Analytics software is a comprehensive Energy Management Solution for all our facilities. Some features for this system are: Low Entry Costs-No large initial investment Modular-Start with as little as one point of monitoring and grow to 1000s Accessible from anywhere in the world via internet browser Advanced Reporting Features-Normalize, aggregate, and analyze information 16 Pre-defined reports Integrates with all Niagara-AX systems Import/Export data for use in other applications Runs on WEBStation-AX PC Platform Research by Frost and Sullivan has shown that energy use may be reduced by as much as 15% when individual entities are responsible for their own energy use, which the City of Huntsville would be. This software save KVA by 22248 per year which could reduce Greenhouse Gases by 1.6 tons per year based on a 10% savings. This would save 66,744 for three years and reduce carbon dioxide by 4.8 metric tons. Grant Breakdown: Contract for HVAC Units and Installation \$99,000.00 Grant Administrative Costs \$1,000.00 Total Grant Funds Allocated for project \$100,000.00

Key Dates:

DESCRIPTION	START DATE	COMPLETION DATE
Activity Planned	12/01/2009	11/30/2010
Activity Actual	12/01/2009	

**MILESTONES**

Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: General Services Honeywell Building Control System - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Energy Efficiency Rating and Labeling

% of Work Complete: 2

**MILESTONES**

Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			
Obtained quote and met to discuss what buildings needed to be implemented on system. Also discussed what information the City wanted to obtain which would give the City the most energy savings.	100,000	0	0%	12/01/2009				0			
Installed analytics Honeywell software and added driver for file importation. Ready to start bringing in previous utility data.	0	0	0%	02/02/2010	02/02/2010	04/09/2010	Ahead	0			

**METRICS**

Required Metrics

JOB METRICS	PLANNED	%	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Hours Worked</b>			0.0000	0.0000			
Total hours worked through Non-Federal funds			0.0000	0.0000			

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\*

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: General Services Honeywell Building Control System - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Energy Efficiency Rating and Labeling

% of Work Complete: 2

JOB METRICS	PLANNED	%	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Hours Worked</b>			0.0000	0.0000			
Total hours worked through Recovery Act funds			0.0000	0.0000			
<b>Jobs Created</b>	2.0000	0%	0.0000	0.0000			
Jobs created through Recovery Act funds			0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Cost Savings</b>							
Dollars Saved	Dollars Saved	Dollars	0.00	0.00			
<b>Energy Savings</b>							
Reduction in electricity demand, by sector	Reduction in electricity demand (Sectors : Public)	Megawatts	0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Efficiency Rating and Labeling</b>							
Energy-consuming devices for which energy-efficiency rating and labeling systems were endorsed by the grantee	Device endorsed? (Energy Consuming Devices : Multi-function device)	Yes	0	0			

User Specified Metrics (Optional)

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Other</b>							

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: General Services Honeywell Building Control System - continued -

Metric Activity: Energy Efficiency Rating and Labeling

Quarter: 01/01/2010 - 03/31/2010

% of Work Complete: 2

Status: Active

User Specified Metrics (Optional)

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Other</b>							
Other	Value (Other :)	Count	0.0000	0.0000			

**QUALITATIVE DESCRIPTIONS**

Reporting Period: 01/01/2010- 03/31/2010

<b>Are you following the Plan? If not, describe the change in approach, and reasons for the change.</b>
The plan is being followed. The buildings to start implementing the software system have been identified.
<b>What we expect to accomplish during the next period</b>
We hope to start incorporating data into the software system so we can see what areas need to be addressed concerning energy reduction and green house gas reduction.
<b>Lessons Learned</b>
The information and data will take a little more time than expected to transfer into the Honeywell System. The project should still be on schedule.
<b>Major Activities, Significant Results, Major Findings, and Key Outcomes</b>
The major activity this last quarter was the installation of the Honeywell software itself. It is the building block for all the other activities for this project.
<b>What we planned to accomplish this period</b>
We planed to have the Honeywell System loaded and ready to start inputting the data.
<b>Actual or Anticipated Problems or Delays and Corrective Action Plan</b>
None.
<b>Products Produced or Technology Transfer Activities Accomplished During the Reporting Period</b>
None.
<b>Remarks</b>
The City of Huntsville is proud to have this grant and to use the funds for this activity that will save energy now and into the future.

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: General Services Honeywell Building Control System - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Energy Efficiency Rating and Labeling

% of Work Complete: 2

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project D Energy Audit  
Quarter: 01/01/2010 - 03/31/2010  
Status: Active

Metric Activity: Building Energy Audits  
% of Work Complete: 20

Activity Description:

The City of Huntsville would like to have an audit conducted to research the possibility of upgrading our control systems to reduce the use of electrical, water, and gas commodities. Use of a control system would allow the City of Huntsville to control building components ensuring the reduction of energy. The City of Huntsville would like to have an audit on the following 10 City facilities of its 200 facilities. Dr. Richard Showers Center 4600 Blue Spring Road Public Services building 320 Fountain Circle Municipal Justice Center 815 Wheeler Avenue Natatorium 2213 Drake Avenue Department of Transportation 500 Church Street ITS Department 300 Madison Street Aquatic Center 903 Monroe Street Administration Building 308 Fountain Circle Public Safety Building 3011 Sparkman Drive Traffic Engineering Building 2100 Clinton Street The review will audit the utility usage at all City locations to determine where energy reductions can be made effectively. The audit will not only cover energy control systems, thought that is where it will concentrate, but other energy conservation methods, as well. Once the audit is completed, the City will develop a plan of action to incorporate which facilities will be upgraded first. The City's consolidated utility invoice currently ranges between \$250,000.00 per month to \$320,000.00 per month. This figure does not include propane gas the City uses at approximately ten of its facilities. The audit would review the current building HVAC, lighting, and water components for the locations. The City will also review each facility space and times they are utilized. The City of Huntsville currently relies on employees to turn lights on and off. The City currently has set points for many of the HVAC systems, but a "times of occupancy" study has not been conducted for the buildings. The audit would include a measurement and verification portion. The current controls system the City of Huntsville utilizes is a Honeywell System. The City would like to upgrade the Honeywell System to energize the facilities more effectively. It is expected that after implementation of audit recommendations, energy savings would be approximately 1,620,000 kwh and reduction in greenhouse gases would be approximately 1,163 metric tons of carbon dioxide over one year and 4,860,000kwh and 3,490 metric tons of carbon dioxide over three years.

Key Dates:

DESCRIPTION	START DATE	COMPLETION DATE
Activity Planned	07/29/2009	03/22/2010
Activity Actual	07/29/2009	

**MILESTONES**

Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project D Energy Audit - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Building Energy Audits

% of Work Complete: 20

**MILESTONES**

Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			
This energy audit will help develop a plan for future retrofits for 10 of the City of Huntsville facilities. The City hopes to use the some of the results of this audit to help in the Honeywell software implementation project.	75,000	0	0%	07/29/2009				0			
Contract approved by the Huntsville City Council for Energy Audit Project. Contractor to start work this next quarter on 10 facilities.	0	0	0%	04/01/2010	04/01/2010	04/08/2010	Ahead	0			

**METRICS**

Required Metrics

JOB METRICS	PLANNED	%	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Hours Worked</b>			0.0000	0.0000			

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\*

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project D Energy Audit - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Building Energy Audits

% of Work Complete: 20

JOB METRICS	PLANNED	%	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Hours Worked</b>			0.0000	0.0000			
Total hours worked through Non-Federal funds			0.0000	0.0000			
Total hours worked through Recovery Act funds			0.0000	0.0000			
<b>Jobs Created</b>	1.0000	0%	0.0000	0.0000			
Jobs created through Recovery Act funds			0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Cost Savings</b>							
Dollars Saved	Dollars Saved	Dollars	0.00	0.00			
<b>Energy Savings</b>							
Reduction in electricity demand, by sector	Reduction in electricity demand (Sectors : Public)	Megawatts	0.0000	0.0000			
<b>Renewable Energy Capacity and Generation</b>							
Amount of electricity generated from photovoltaic systems	Electricity generated	Megawatt-Hours	0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Building Energy Audits</b>							
Building energy audits, by sector	Audits performed (Sectors : Public)	Count	0	0			
	Floor space audited (Sectors : Public)	Squarefeet	0	0			

## U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\*

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project D Energy Audit - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Building Energy Audits

% of Work Complete: 20

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Building Energy Audits</b>							
	Auditor's projection of energy savings (Sectors : Public)	Kilowatt-Hours	0	0			

User Specified Metrics (Optional)

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>OtherMetricArea</b>							
Other	Value (Other : Other)	Count	0.0000	0.0000			

**QUALITATIVE DESCRIPTIONS**

Reporting Period: 01/01/2010- 03/31/2010

<b>Are you following the Plan? If not, describe the change in approach, and reasons for the change.</b>
The plan is being followed. The contractor was approved by the Huntsville City Council April 8th, 2010. The energy auditor should start the audit this next quarter.
<b>What we expect to accomplish during the next period</b>
The audit should be completed on 1/4 of the facilities by the end of the next quarter.
<b>Lessons Learned</b>
This project is still in the early stages, but appears to be going as planned. No lessons learned yet.
<b>Major Activities, Significant Results, Major Findings, and Key Outcomes</b>
This quarter we were able to complete the contract with the auditor and discuss what items needed to be audited for energy savings.
<b>What we planned to accomplish this period</b>
We planned on having an energy auditor for the project and instructions on what items the audit is to include.
<b>Actual or Anticipated Problems or Delays and Corrective Action Plan</b>
No problems are anticipate on this project. The project is currently on schedule.

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: Project D Energy Audit - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Building Energy Audits

% of Work Complete: 20

Reporting Period: 01/01/2010- 03/31/2010

<b>Products Produced or Technology Transfer Activities Accomplished During the Reporting Period</b>
None
<b>Remarks</b>
The City of Huntsville is proud to have this grant and look forward to the energy savings that this audit will bring.

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: A Traffic Engineering

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Transportation

% of Work Complete: 49

Activity Description:

The city of Huntsville is responsible for the safe and efficient operation of the city's transportation system. Responsibilities include the maintenance and operation of: Traffic signals, traffic advisory signs and street markers Roadway Striping Data collection and analysis Planning for the future traffic needs of the city The City of Huntsville has 305 signalized intersections and approximately 140-150 various flashing devices. Because the energy consumption of light emitting diodes (LEDs) is considerably less than incandescent bulbs, it is the Department's goal to replace all incandescent bulbs with LEDs. LEDs have twice the life span of incandescent bulbs; 5-7 years for LEDs vs. 2-4 years for incandescent bulbs. The cost to operate incandescent bulbs is ten times greater than the cost to operate LEDs; 116-150 watts per incandescent bulb vs. 5-19 watts per LED module. The Department spends \$180K per year in electrical costs to operate traffic signals and other equipment, such as flashers. In addition to lowering energy consumption, the longer life span of LEDs reduces the number of intersection service calls and lowers fuel consumption. The Department currently has 104 signalized intersections and flashing devices equipped with LEDs. We have been upgrading 20 intersections per year and all new signals or devices purchased are LED equipped. At the current rate, it will take approximately ten years to totally transition from incandescent bulbs to LED modes. Therefore, we are requesting \$250,000 to convert the red and green components of an additional 179 signals and various flashing devices to LEDs. Our Department has a staff of 28 employees with 30 vehicles. The high ratio of vehicles to employees conveys the mobility of the Department and the significant importance of our fuel conservation. In addition to scheduled tasks, such as new signal installations, conflict monitor testing, timing changes, software upgrades, overhead sign replacements, inspection of signal equipment and maintenance repairs, we respond to complaints/comments received from the Huntsville Police Dept. After accidents or weather events, we restore signals, signs, etc. to correct working order. It is important that these tasks be done as quickly as possible to ensure the safety of the traveling public. Installing LEDs will enable us to restore signals and signs by reducing the number and frequency of service calls to traffic signals, thereby allowing more time to respond to accidents, weather events, and complaints. The cost to replace all of the remaining incandescent bulbs would be approximately \$400,000. However, replacing just the red and green components would only cost \$250,000. The red and green components of the traffic signals operate 95% of the time and have a higher benefit-cost ratio than the amber components that operate only 5% of the time. In the future, amber bulbs will be replaced with amber LEDs, as the bulbs burn out. To understand the cost savings, consider the savings for a typical intersection with four lanes or less. The annual costs of operating and maintaining the red and green components of a typical "incandescent" intersection is \$906 vs. \$456 for an "LED" intersection. One incandescent bulb lasts three years and one LED lasts six years. See attachment for additional cost savings information.

Key Dates:

DESCRIPTION	START DATE	COMPLETION DATE
Activity Planned	10/03/2009	10/02/2010
Activity Actual	10/02/2009	

**FUNDS SUMMARY**

Activity Outlays by Source:

SOURCE/ CATEGORY	AGENCY/ DESCRIPTION	PLANNED	OUTLAYS TO DATE	% OF PLAN	01/01/2010- 03/31/2010			
Grant Funds								

## U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\*

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: A Traffic Engineering - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Transportation

% of Work Complete: 49

## Activity Outlays by Source:

SOURCE/ CATEGORY	AGENCY/ DESCRIPTION	PLANNED	OUTLAYS TO DATE	% OF PLAN	01/01/2010- 03/31/2010			
Federal			247,483.00		247,483.00			
Total Grant Funds		250,000.00	247,483.00	99%	247,483.00			
<b>TOTAL OUTLAYS</b>		<b>250,000.00</b>	<b>247,483.00</b>	<b>99%</b>	<b>247,483.00</b>			

## Restrictive Fund Details by Category:

USE OF FUNDS	FEDERAL PLANNED	FEDERAL COSTS TO DATE	% OF TOTAL FEDERAL COSTS	01/01/2010- 03/31/2010			
Total Subgrants (Sub-Recipients)	0.00	0.00	0%	0.00			

## Subgrant Funds Details by Type:

SUBGRANT TYPE	SUBGRANTEE DESCRIPTION	PLANNED	OUTLAYS TO DATE	% OF TOTAL GRANT COSTS	01/01/2010- 03/31/2010			
Vendors								
	Temple and Sons		247,483.00		247,483.00			
Total Vendors			247,483.00		247,483.00			
<b>TOTAL SUBGRANTS</b>		<b>0.00</b>	<b>247,483.00</b>	<b>0%</b>				

**MILESTONES**

## Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010- 03/31/2010			
Obtained quotes for LED lights for traffic signals. Lights will be ordered the first of January.	250,000	247,483	99%	10/03/2009	12/17/2009	12/17/2009	Ahead	247,483			

U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

**\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\***

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: A Traffic Engineering - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Transportation

% of Work Complete: 49

**MILESTONES**

Activity Milestone Status:

MILESTONE	PLANNED AMOUNT	TOTALS TO DATE	% OF PLAN	PLANNED START	ACTUAL START	ACTUAL COMPLETION	STATUS	01/01/2010-03/31/2010			
Installed LED lights on 42intersection traffic signals.	0	0	0%	12/17/2009	12/17/2009	03/26/2010	On-Time	0			

**METRICS**

Required Metrics

JOB METRICS	PLANNED	%	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Hours Worked</b>			72.4500	72.4500			
Total hours worked through Non-Federal funds			72.4500	72.4500			
Total hours worked through Recovery Act funds			0.0000	0.0000			
<b>Jobs Created</b>	3.0000	0%	0.0000	0.0000			
Jobs created through Recovery Act funds			0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Emissions Reductions</b>							
Greenhouse gases reduced	Greenhouse gases reduced	Co2 Equivalentts	556.5000	556.5000			
<b>Energy Cost Savings</b>							
Dollars Saved	Dollars Saved	Dollars	24,782.50	24,782.50			
<b>Energy Savings</b>							

## U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\*

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: A Traffic Engineering - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Transportation

% of Work Complete: 49

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Energy Savings</b>							
Reduction in electricity demand, by sector	Reduction in electricity demand (Sectors : Transportation)	Megawatts	0.0000	0.0000			

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Transportation</b>							
Energy-efficient traffic signals installed	Signals installed	Count	42	42			

## User Specified Metrics (Optional)

METRIC ACTIVITY	METRICS	UNIT	TOTALS TO DATE	01/01/2010-03/31/2010			
<b>Other</b>							
Other	Value (Other : Other)	Count	-2,517.0000	-2,517.0000			

**QUALITATIVE DESCRIPTIONS**

Reporting Period: 01/01/2010- 03/31/2010

<b>Are you following the Plan? If not, describe the change in approach, and reasons for the change.</b>
This project is on time and costing about \$2,517.00 less than originally thought.
<b>What we expect to accomplish during the next period</b>
We hope to finish converting the traffic signals with the LED lights purchased.
<b>Lessons Learned</b>
The savings will need to be calculated by fixture because the red, yellow, and green lights burn at different rates.

## U.S. Department of Energy

**ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT (EECBG)  
DRAFT PROGRAM PERFORMANCE REPORT**

\*\*\* THIS REPORT CONTAINS RECORDS THAT HAVE NOT YET BEEN APPROVED BY DOE \*\*\*

Grant Number: SC0002979

Grantee: The City of Huntsville, a Municipal Corporation

Activity: A Traffic Engineering - continued -

Quarter: 01/01/2010 - 03/31/2010

Status: Active

Metric Activity: Transportation

% of Work Complete: 49

Reporting Period: 01/01/2010- 03/31/2010

<b>Major Activities, Significant Results, Major Findings, and Key Outcomes</b>
LED lights converted at 42 intersections. Large impact already for this project. The green lights burn longer than red lights and the yellow lights burn seldom. Energy readings were taken at all locations before project started. They will be read again when the LED lights have all been converted.
<b>What we planned to accomplish this period</b>
This quarter we were able to purchase and install 42 intersections with the LED light fixture conversions.
<b>Actual or Anticipated Problems or Delays and Corrective Action Plan</b>
No known problems at this time. This project appears to be going smooth at this time.
<b>Products Produced or Technology Transfer Activities Accomplished During the Reporting Period</b>
3094 LED lights ordered and received.
<b>Remarks</b>
The City of Huntsville appreciates this energy grant and wants it to make a difference for the City of Huntsville. This grant project should demonstrate what can be done and how it can make an impact to the community and the nation by making small changes.