



City Of Greensboro

City Council Application Approval Request

Approval Process

Match

Tracking Number **7778**

Request Origination

Department	<u>Police</u>
Division	Patrol Bureau/Central Division
Submitted By	Courtney Hemphill
Date Submitted	3/11/2014
Phone	2350

Application Summary

Grant/Project Name	2014 Clean Fuel Advanced Technology: Electric Motorcycles for GPD
Brief Project Summary	<p>The mission of the North Carolina Solar Center's Clean Transportation Program is to increase the use of alternative fuels and advanced transportation technologies. Working with government, non-profits and businesses, the Clean Transportation team is helping diversify fuel supplies and support cleaner, more vibrant local and state economies.</p> <p>The North Carolina Solar Center (NCSC) at North Carolina State University has been awarded \$6,228,000 in federal Congestion Mitigation Air Quality funds from the NC Department of Transportation for the Clean Fuel Advanced Technology (CFAT) 2013-2015 Program. A primary purpose of CFAT is to provide funding assistance for transportation related emission reduction projects in eligible North Carolina counties. The NCSC is seeking proposals from both public and private entities for transportation related projects that reduce emissions in North Carolina's non-attainment and maintenance counties for National Ambient Air Quality Standards.</p> <p>The Greensboro Police Department has determined that the capabilities offered by utilizing a "dual sport" electric motorcycle is needed to extend police services to areas of the city that have not been readily accessible using conventional methods. The extended service areas encompass the Downtown/Center City, a dedicated greenway which surrounds the Center City, and all areas in between.</p> <p>There are several reasons that the Greensboro Police Department has chosen the 2014 Zero DSP ZF11.4 electric dual sport motorcycle to serve in this function. The Zero motorcycle is an all electric vehicle designed to be totally self contained and maintenance free. It operates entirely on a battery eliminating all sources of petroleum complications including any exhaust emissions, oil spills, gas spills, and any noise disturbances. This is advantageous when operating in congested</p>

streets, enclosed areas such as parking deck facilities, residential areas, and on the Greenway. These vehicles will improve the environmental credentials of the City of Greensboro. They support the City's efforts in using green technology whenever applicable and would replace the traditional combustion engine vehicles needed.

Total project costs do not include baseline vehicle costs. Project costs are calculated based on the variance between the proposed electric motorcycles and a comparable conventional vehicle. Applicants are required to provide at least a 20% cost share of the variance. Cost share funds must be non-federal dollars and directly related to the project. The Department has identified NC State Drug Excise Tax funds for the cost share and the additional baseline vehicle costs. This is an allowable expense under the NC State Drug Excise Tax Guidelines. The Department agrees to seek reimbursement for expenses incurred. For this project the budget was calculated as follows:

Description	Computation	Amount
2014 Zero model DSP ZF11.4 electric	\$20,775 per unit x 2 (includes a 3% H.U.T.)	\$41,550.00
Suzuki DR-Z400S (comparable conventional vehicle)	\$6,599.00 MSRP per unit x 2 (includes a 3% H.U.T.)	\$13,198.00
Variance		\$28,352.00
Total Grant Request		\$22,681.60
20% Cost Share	NC State Drug Excise Tax Funds	\$5,670.40
Additional baseline vehicle costs	NC State Drug Excise Tax Funds	\$13,198.00
Total Project Costs		\$41,550.00

If awarded, this project will serve as a voluntary demonstration of incorporating alternative fuels and advanced transportation technologies into government operations. Successful outcomes will lay the groundwork for further development of City policies intended to expand the use of clean energy and meet goals/targets for emission reduction.

Grantor	The North Carolina Solar Center at North Carolina State University
Goals, Strategies, Objectives supported	The City of Greensboro takes seriously its responsibility to protect the environment and to promote "green" initiatives. This project demonstrates the Greensboro Police Department's commitment to sustainability concerning fuel efficiency and supports the City's policy to purchase the smallest, most fuel-efficient vehicle practical for the job to be performed.
Application Amount	\$41,550
Application Due Date	3/18/2014
Application Submission Date	3/17/2014
Grant Year	2014

Funding Cycle	2013-2015
New?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Recurring?	<input type="radio"/> Yes <input checked="" type="radio"/> No
If recurring, how many years?	
Applicant's Role	Grantee

Eligible Activities	Cost	Description
Personnel		
Contracted Services		
Travel		
Supplies/Operating Expenses		
Equipment	\$22,681.60	2 Zero Electric Motorcycles
Other (Describe)	Cost	Description
20% Cost Share	\$5,670.40	NC State Drug Excise Tax Funds
Additional Costs	\$13,198	Baseline vehicle costs not covered by the grant
Total Project	\$41,550	

Required Match Elements	Value	Description
Cash (Describe Source)		
Cash Match Source Account Number (If Known)	\$5,670.40	20% Cost Share from 220-0000-00.3744
In Kind (Describe)		
Other (Describe)	Value	Description
Additional Costs	\$13,198	Baseline vehicle costs not covered by the grant
Total Match Value	\$13,198	

Project Funding Information (Includes Match)	
Federal Amount	\$22,681
State Amount	
Regional Amount	
Local Amount	\$18,869
Private Contributions Amount	

Cash Award Amount	
Total Funding	\$41,550
Reimbursement (Yes/No)	<input checked="" type="radio"/> Yes <input type="radio"/> No
If reimbursement grant, explain fund availability.	Grant account incurs initial expense; reimbursement via NCSC.
How will the program be funded after the grant expires?	Subsequent years funded with general budget funds.
List of any other departments within the City of Greensboro eligible for this funding.	Finance/Equipment Services, Transportation

Description of Department Collaboration s

Department	Description
<u>Parks & Recreation</u>	Partnering in public safety efforts for the Greenway and park space in and around the downtown area.

Description of Other Collaboration s

Regional Governments	
State Agencies	North Carolina Department of Transportation, North Carolina Solar Center at North Carolina State University and University of North Carolina at Greensboro
Federal Agencies	US Dept. of Transportation, Federal Highway Administration
Other Community Partners	Action Greensboro and Downtown Greensboro, Inc., Streetwatch Homeless Count Teams and the Greensboro Merchants Association
Other	

Result Area Work Plan

Economic and Community Development	
Infrastructure	
Public Safety	Fiscal Stewardship/Public Safety & Reduce Crime
Culture, Recreation and Community Character	
General Government	

Department Area Work Plan

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Economic and Community Development	
Infrastructure	
Public Safety	Utilize City tax dollars to leverage non-City tax dollars
Culture, Recreation and Community Character	
General Government	

Target Areas

Council District(s)	<input type="checkbox"/> District 1 <input checked="" type="checkbox"/> District 2 <input checked="" type="checkbox"/> District 3 <input type="checkbox"/> District 4 <input type="checkbox"/> District 5 <input type="checkbox"/> None
Police District(s)	<input checked="" type="checkbox"/> District 1 <input type="checkbox"/> District 2 <input type="checkbox"/> District 3 <input type="checkbox"/> District 4 <input type="checkbox"/> District 5 <input type="checkbox"/> None
Other Area(s)	Center City, Central Business District and Downtown Greenway

Program/Project Staffing

Number of Current Staff	63.00
Number of Hours/Current Staff	4,080
Describe Current Staff Position(s)/Role(s)	1 Captain, 2 Lieutenants, 60 Patrol Officers
Personnel to Hire Additional Staff	<input type="radio"/> Yes <input checked="" type="radio"/> No
Number of Additional Staff Needed	0.00
Number of Hours for Additional Staff	0
Describe Additional Staff Position(s)/Role(s)	n/a
Total full time equivalent jobs created with this project is estimated at:	

Impact

Will this project duplicate or compete with another service or program provided by the City of Greensboro or other local agency?

☐ Yes ☒ No

How will this program/project benefit the City as an organization?

The project will extend police services to our Downtown and Greenway areas by using an environmentally friendly technology in the form of electric motorcycles. We anticipate the service area to expand, increasing the population and calls for service over the next two to five years. These units serve as an integral part of our planned respond.

How will this program/project benefit the City as a region?

The primary purpose of the CFAT program is to fund emission reduction programs. The addition of electric motorcycles to the Greensboro Police Department's fleet will provide raised awareness leading to public education, encourage the use of electric vehicles for the City overall and lead to a reduction in the emission of greenhouse gases.


Department Director's Signature Authorization to Proceed

Name (printed)

Kenneth C. Miller

Signature

Date


3/17/14

Administrative Data	
Application Status	<u>Pending City Council Approval</u>
Council Notification Date	
Approval Date	
Resolution No.	
IFYI Report Date	
Award Status	<u>Pending</u>
Award Amount	
Ordinance No.	
Link to Grant Files	
Comments	