

2017 Congestion Mitigation and Air Quality Program (CMAQ) Application

PROJECT NAME

Community Education and Repair Training

PART I

Contact Jeff Gilbert (435) 755-1634 or jeff.gilbert@cachecounty.org for questions about this application.

For more information on the Federal Transportation Alternatives Program see: https://www.fhwa.dot.gov/environment/transportation_alternatives/guidance/guidance_2016.cfm #EligibleProjects. For more information on the Congestion Mitigation Air Quality Program see: https://www.fhwa.dot.gov/environment/air_quality/cmaq/policy_and_guidance/2013_guidance/

FULL APPLICATION (PART I & PART II) DUE BY 5:00 PM SEPTEMBER 15, 2017. HOWEVER, PLEASE COMPLETE PART I BY AUGUST 18, 2017

PROJECT SUMMARY INFORMATION

PROJECT SPONSOR

Bear River Health Department

PROJECT MANAGER

Joshua Greer

PROJECT MANAGER PHONE

435-792-6572

PROJECT MANAGER EMAIL

jgreer@brhd.org

PROJECT DESCRIPTION

Please provide a brief description of your project. After completion of this part of the application, you will be provided link where you can upload any plans, reports or photos that may help to better understand your project.

We will increase awareness about the importance of reducing emissions through reducing vehicle miles traveled and cold starts. There will be multiple campaigns focused on worksites and the general community. We will implement the "SHair the Air Challenge." We will provide 2 mini grants for community partners as well.

We will also develop and deliver specialized training courses to the automotive repair community. These courses are delivered by the National Center for Automotive Science and Technology at Weber State University. These courses focus on repairing vehicles with emissions related faults. These courses have been well attended and appreciated in the past. They benefit the community by

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providing more experienced and trained repair technicians. This saves individuals time, money, and frustration when getting their vehicle repaired.

We anticipate requesting funding for these programs to run during 2018 and 2019.

DESCRIBE THE GENERAL AIR QUALITY BENEFITS OF YOUR PROJECT

The vehicle emissions inspection and maintenance program was estimated to reduce PM2.5 levels by 0.46 tons/day. Without proper vehicle repairs we will not see the reductions modeled.

With the education component of this project we will help inform the entire community of things they can do to reduce emissions. The air quality benefit will be dependent on actions made by individuals throughout the community.

PROJECT ELIGIBILITY

For more information on the Federal Transportation Alternatives Program eligibility see: https://www.fhwa.dot.gov/environment/transportation_alternatives/guidance/guidance_2016.cfm #EligibleProjects

For more information on the Congestion Mitigation Air Quality Program eligibility see: https://www.fhwa.dot.gov/environment/air_quality/cmaq/policy_and_guidance/2013_guidance/

PLEASE SELECT THE MAIN CATEGORY OF FEDERAL AID ELIGIBILITY FOR YOUR PROJECT

Public Education and Outreach Activities

PART II

PROJECT FINANCIAL INFORMATION

FEDERAL AID REQUESTED AMOUNT

APPLICATIONS THAT RECEIVE LESS THAN THE REQUESTED AMOUNT WILL STILL BE REQUIRED TO PROVIDE LOCAL MATCH PROPORTIONAL TO WHAT IS INDICATED IN THIS APPLICATION.

ALTHOUGH NOT REQUIRED, USE OF UDOT'S CONSTRUCTION PROJECT COST ESTIMATING SPREADSHEET IS RECOMMENDED. THIS SPREADSHEET CAN MODIFIED WITH YOUR INPUTS. IT CAN BE DOWNLOADED AT: <https://www.udot.utah.gov/main/uconowner.gf?n=7253831073072143>

CMAQ/TA REQUESTED AMOUNT

\$160,000

LOCAL MATCH AMOUNT (6.7% MINIMUM)

\$10,720

MAKEUP OF LOCAL MATCH

Cash match

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TYPE OF AIR QUALITY IMPROVING PROJECT

PROJECT TYPE

Vehicle emission reducing public education and outreach

VEHICLE EMISSION REDUCING PUBLIC EDUCATION AND OUTREACH

The goal of CMAQ-funded public education and outreach activities is to educate the public, community leaders, and potential project sponsors about connections among trip making and transportation mode choices, traffic congestion, and air quality. Public education and outreach can help communities reduce emissions and congestion by inducing drivers to change their transportation choices. More important, an informed public is likely to support larger regional measures necessary to reduce congestion and meet CAA requirements.

PLEASE SELECT THE TYPE OF AIR QUALITY EDUCATION AND OUTREACH ACTIVITIES YOUR PROJECT WILL ACCOMPLISH

Developing messages and advertising materials

Placing messages and materials

Employer based trip reduction programs

PLEASE DESCRIBE HOW YOU THIS PROJECT WILL BUILD ON PRIOR EDUCATION/OUTREACH EFFORTS

Education

Using multiple education strategies this project will build upon the initiative that began in 2015 to increase awareness about the importance of reducing vehicle miles traveled. This project is outlined to provide education for 24 months beginning in January 2018. It will allow for the development and placement of messages related to general topics including; reducing single occupancy vehicle (SOV) travel, trip chaining, active transportation, carpooling, and public transportation. It will also include the continued implementation of the "SHair the Air Challenge" and Bike to Work Day, developed locally, to provide education and encouragement for the community and worksites reducing SOV travel. Additionally this round of funding will provide mini-grant to community partners who share the vision of positively reducing vehicle miles traveled. In communicating with the CMPO it was determined that this may be a good fit to expanding existing partnerships and the reach of messaging to a new population.

Vehicle Repair Training

Almost 5,700 vehicles failed the required emissions inspection during 2016 in Cache County. These vehicles were required to be repaired in order to pass the inspection and get registered. Vehicles that cannot be repaired cannot be registered in Cache County. These vehicles could very easily be registered in another county or state but continue to be used in Cache County.

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In order to save vehicle owners' time, money, and frustration it is important that the mechanics have a proper background in emissions related repairs. In April of 2017 Bear River Health Department was able to implement a Vehicle Repair and Replacement Assistance Program. This was made possible through an air quality grant from the EPA. As such, the health department now has the ability to assist individuals in paying for their emissions related repairs. Repair shops are seeing an increase of emissions related repair jobs from customers who otherwise couldn't afford to get them done. This increases the need for training opportunities for the repair mechanics. Many of these mechanics work for independent shops that can't spend a lot of money on training opportunities.

Bear River Health Department has been able to work with Weber State University to negotiate very affordable training opportunities that can be provided at no cost to the mechanics.

In 2015 Bear River Health Department applied for CMAQ money to be used on development and delivery of training courses. With that money we were able to pay for the development of a 4-gas analyzer course. We were also able to deliver 6 training opportunities during 2016. We were able to fill 61 seats in these courses during 2016. These training opportunities have created better emissions related repair mechanics in Cache County.

This funding will allow us to increase the capabilities of the local repair stations and ensure proper emissions related repairs. This will lead to decreased vehicle emissions.

PLEASE PROVIDE A GENERAL OUTLINE OF YOUR PROJECT'S BUDGET

Education

- Monthly advertising general SHair campaign - \$31,000 (24 months)
- Bus Wrap in partnership with Art in Transit - \$5,000
- Increased SHair winter media placement - \$12,000
- Staff for 24 months - \$24,770
- Bike to Work Day - \$5,000
- Mini Grants for VMT - \$3,000
- Promotion of challenges - \$16,000
- Air Quality Video Contest with high schools - \$1,000
- Incentives for challenges - \$9,000

Repair Training

- Development of diesel course - \$10,000
- 10 - 12 Training Courses over 24 months - \$54,000

DO YOU PROJECT COST ESTIMATES TAKE INTO ACCOUNT THE EXTRA PROJECT DELIVERY COSTS WHEN USING FEDERAL AID FUNDS (CONSTRUCTION PROJECTS ONLY)?

My project is not a construction project