2012-273

BOARD OF COUNTY COMMISSIONERS
SARPY COUNTY, NEBRASKA

RESOLUTION AUTHORIZING THE CHAIRMAN TO SIGN THE APPLICATION FOR THE "FUELING SARPY COUNTY WITH NATURAL GAS" GRANT

WHEREAS, pursuant to Neb. Rev. Stat. §23-104(6) (Reissue 2007), the County has the power to do all acts in relation to the concerns of the County necessary to the exercise of its corporate powers; and,

WHEREAS, pursuant to Neb. Rev. Stat. §23-103 (Reissue 2007), the powers of the County as a body are exercised by the County Board; and,

WHEREAS, a grant is available to Sarpy County, Black Hills Energy, and the Cities of Bellevue, LaVista, and Papillion through the Nebraska Environmental Trust; and,

WHEREAS, the grant will be multi-partner project between Sarpy County, Black Hills Energy, and the Cities of Bellevue, LaVista, and Papillion to construct a Natural Gas fueling station and convert to natural gas vehicles (NGVs); and,

WHEREAS, Sarpy County is committed to and supports the grant application for "Fueling Sarpy County with Natural Gas"; and,

NOW, THEREFORE, BE IT RESOLVED, By the Sarpy County Board of Commissioners that Board Chairman is hereby authorized to sign the attached Application associated with the "Fueling Sarpy County with Natural Gas" Grant.

BE IT FURTHER RESOLVED, that the acceptance of a grant award from the Nebraska Environmental Trust Fund is contingent upon the negotiation and approval of agreements between Sarpy County, Black Hills Energy and the Cities of Bellevue, Papillion, and LaVista.

The above Resolution was approved by a vote of the Sarpy County Board of Commissioners at a public meeting duly held in accordance with applicable law on the _____ day of _____, 2012.

ATTEST:

_____ _____

Sarpy County Board Chairman

Sarpy County Clerk

Sarpy County Board of Commissioners

1210 GOLDEN GATE DRIVE
PAPILLION, NE 68046-2895
593-4155
www.sarpy.com
ADMINISTRATOR Mark Wayne
DEPUTY ADMINISTRATOR Scott Bovick
FISCAL ADMIN./PURCHASING AGT. Brian Hanson

MEMO

To: Sarpy County Board

From: Lisa A. Haire

Re: "Fueling Sarpy County with Natural Gas" Grant Application

On August 28, 2012 the County Board will be asked to authorize the Chairman to sign the application for the "Fueling Sarpy County with Natural Gas" Grant offered through the Nebraska Environmental Trust. The project will be multi-partner agreement between Sarpy County, Black Hills Energy, and the cities of Bellevue, LaVista and Papillion.

"Fueling Sarpy County with Natural Gas" will focus on the deployment of natural gas vehicles (NGVs) in Sarpy County and the construction and operation of a compressed natural gas (CNG) fueling station located along Highway 370. The application will request $934,000 in funding from the Nebraska Environmental Trust for the construction of a fueling station, vehicle conversion costs, and educational information. Sarpy County will contribute $62,500 for the construction of the fueling station, $300,000 for NGV purchases, and $48,000 for the costs associated with vehicle conversion.

The cities of Bellevue, Papillion, and LaVista will each contribute $62,500 for fueling station construction costs, $300,000 to purchase NGVs, and $48,000 for costs associated with vehicle conversion. Black Hills Energy will contribute a total of $346,000 for the construction of the fueling station and maintenance and operation of the station. Black Hills Energy will operate and maintain the fueling station for the first five years, after which time Sarpy County, Bellevue, LaVista, and Papillion will have the option to purchase the station at fair market value.

Please contact Dennis Wilson at 402-537-6908 with any questions or concerns.

August 24, 2012

Lisa A. Haire
593-1565

cc: Mark Wayne
Brian Hanson
Scott Bovick
Dennis Wilson
Deb Houghtaling

The Nebraska Environmental Trust

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NEBRASKA ENVIRONMENTAL TRUST FUND

APPLICATION COVER SHEET

Instructions to word processing users. Double click on each slash character (" \ "), including the ones below in the header, and replace them with your entry. Use your find function (Ctrl + F) to find the slash character "\". This will position your cursor at each response.

H1. Project Sponsor: Sarpy County

H2. Project Name: Fueling Sarpy County with Natural Gas

3. County(s) where project is located: Sarpy County

4. Nearest town: Papillion

5. Total Amount Requested: $1,000,000

6. Years of funding requested (select one): 1 **2** 3

Contact Person:

7. Name: Denny Wilson

8. Title: Sarpy County Engineer

9. Organization: Sarpy County

10. Address, City, State & Zip: 15100 S. 84th Street, Papillion, NE 68046-4627

11. Daytime Phone: 402-537-6908

12. Alternate phone: 402-537-6900

13. Fax:

14. E-mail: dwilson@sarpy.com

15. Sponsor web site: http://www.sarpy.com

16. Is this a continuation request for a project previously funded by the Trust: YES NO: No
Is this a resubmission of a project application previously not funded by the Trust: YES NO: Yes

17. Please indicate which category best describes the applicant: \
Selections are: Individual **City or County** Natural Resources District Federal Agency Private for Profit Private Nonprofit Consortium School, Irrigation, Power or Development District State Agency Other (specify):

18. Will this project receive federal funds or require a federal review or permit? YES NO: No
If yes, identify the agency(s) and its role:

19. Will this project receive other State of Nebraska funds or require a state review or permit? YES NO: No
If yes, identify the agency(s) and its role:

20. In **300 words or less** provide an overview of the project for which you seek funding. If you are asking the Trust to fund only a portion of the project, indicate the components for which you seek funding.

Sarpy County, the cities of Bellevue, La Vista and Papillion, and Black Hills Energy (BHE) are jointly applying for a grant from the Nebraska Environmental Trust that would improve the state's air quality while developing regional economic opportunities and increasing energy security.

This multi-partner project would focus on the construction and operation of a compressed natural gas (CNG) fueling station along the Highway 370 corridor, the deployment of natural gas vehicles (NGVs) in Sarpy County, and the education of Nebraskans on the numerous health and environmental benefits of CNG and NGVs.

This application seeks funding for approximately half of the costs of constructing a compressed natural gas fueling station. The other half of the costs would be paid by the partners on this application. Additional grant funding will be used to convert vehicles to compressed natural gas and for educational purposes.

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NEBRASKA ENVIRONMENTAL TRUST FUND

APPLICATION COVER SHEET

Instructions to word processing users. Double click on each slash character (" \ "), including the ones below in the header, and replace them with your entry. Use your find function (Ctrl + F) to find the slash character "\". This will position your cursor at each response.

H1. Project Sponsor: Sarpy County

H2. Project Name: Fueling Sarpy County with Natural Gas

Natural gas is the cleanest commercially available fuel for transportation today, reducing greenhouse gas emissions by 20-30 percent when compared to diesel and gasoline fueled vehicles. Domestic reserves of natural gas are abundant, costs are affordable, and 98 percent of all natural gas consumed in America is produced in North America.

This project will continue to expand the usage of natural gas vehicles in Nebraska by constructing a new natural gas fueling station and adding more natural gas vehicles to Nebraska's highways.

21. On behalf of the sponsor(s) named above, I hereby certify that the information contained in this application, including all attachments, is true, accurate and complete.

Authorized Signature of Sponsor Organization	Title	Date
Typed or Printed Name of Authorized Signatory	Typed or Printed Title	

H1. Project Sponsor: Sarpy County

H2. Project Name: Fueling Sarpy County with Natural Gas

In five pages or less, provide a discussion of your project. Be sure to cover the points specified in the instructions.

"Fueling Sarpy County with Natural Gas" will further deploy natural gas vehicles (NGV's) into Nebraska. This multi-partner project will fund the construction of a compressed natural gas fueling station in Sarpy County along the Highway 370 corridor, aid in the conversion of vehicles to natural gas, and provide education to Nebraska citizens on the numerous health and environmental benefits of compressed natural gas and natural gas vehicles.

Natural gas vehicles have been around for years. According to NGVAmerica, there are about 120,000 NGVs on U.S. roads today and more than 15.2 million worldwide. There are about 1,000 NGV fueling stations in the U.S., about half of which are open to the public. Natural gas as a transportation fuel is growing. According NGV Global, the number of NGVs in use worldwide by the end of 2011 had grown to 15.2 million. Global NGV sales—according to Pike Research —are expected to rise at an annual growth rate of 7.9% to reach 19.9 million vehicles by 2016. The U.S. currently ranks 17th in the world with less than 1% of total NGVs. However, North America is expected to see some of the fastest growth due to abundant, proven natural gas reserves and the low cost of domestically produced natural gas.

Natural gas vehicles can provide many benefits. The cost is very affordable- natural gas currently costs from $1.50–$2.00 less per gasoline gallon equivalent (GGE). NGVs are good for our environment. In the U.S. alone, NGVs offset the use of nearly 360 million gallons of gasoline in 2011. NGVs meet the strictest emission standards, including California's AT-PZEV standard. NGVs are as safe as or safer than traditional gasoline or diesel vehicles.

So with all of the benefits natural gas vehicles can provide, why is grant funding needed? The infrastructure needed to fuel natural gas vehicles is expensive. It's difficult to commit to funding that infrastructure if there aren't vehicles ready to use that station, but it's also difficult to commit to converting vehicles to run on natural gas if there isn't a convenient place to fill them up. This application seeks to address both concerns by building a compressed natural gas fueling station and provide vehicles for the station.

Design, implementation, and objectives
Grant funding would be used for a quick-fill, public access, compressed natural gas fueling station, constructed along the Highway 370 corridor. NET funding would be used for approximately half of the anticipated costs of this station, which would total about $1 million. NET funding in the amount of $500,000 would be used for constructing the station. In addition, Sarpy County, Bellevue, La Vista and Papillion would each contribute $62,500 towards the cost of the station. Black Hills Energy would contribute $250,000 towards the cost of the station.

This fueling station would likely have two compressors, storage capabilities, a dryer, a dispenser, and a fuel management system. Natural gas vehicles (NGVs) will be able to fill at a rate of approximately two gas gallon equivalent (gge) per minute, which is comparable to a typical gasoline station. An NGV vehicle will fill at this station in approximately 5-10 minutes- similar to a gasoline fueled vehicle. Like other stations, we anticipate constructing a canopy over the island to protect the equipment and the dispenser as well as the driver. The dispenser pumps and other appropriate signage will designate and identify the fuel as CNG. A dynamic message sign will display the price and indicate the fuel as compressed natural gas. Due to its location and the marketing measures we plan to use, we are excited about our ability to promote the use of natural gas as a transportation fuel. With consumers paying a record high average price for gasoline, the pricing signs showing CNG at a significantly lower price will hopefully catch drivers' attention. We believe that our emphasis will lead to interest, and hopefully action, by both fleets and individuals, to consider using natural gas for their vehicles. Since this would be a public fueling station, anyone with a natural gas vehicle would be able to fill up.

The partners plan to begin implementation of this project as soon as we receive funding notification from the Trust. Sarpy County, as wells as the municipalities of Bellevue, La Vista and Papillion commit to converting four vehicles in their fleet to CNG each year for five years that would fuel at the new CNG station. The grant would be used to fund eight vehicle conversions for each public entity in the first two years- resulting in thirty-two vehicle conversions at an approximate cost of $384,000 ($12,000 per conversion). Sarpy County, as wells as the municipalities of Bellevue, La Vista and Papillion would

H1. Project Sponsor: Sarpy County

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pay for the costs of the remaining conversions in the last three years. After five years, this would result in 80 vehicles running on compressed natural gas. The reason for the gradual introduction of the cng vehicles to the public entities is to allow them to work within their current vehicle replacement schedules, rather than requiring a very substantial increase in the amount of funding required upfront. The partners' costs for initially purchasing the vehicles is approximately $25,000 per vehicle, depending on the model, so the cost of vehicle purchases to the partners will be approximately $2 million if the vehicles to be converted are new, rather than retrofitted.

Our objectives are to provide the necessary infrastructure to give fleets and individual vehicles the ability to use an alternative fuel that is better environmentally and economically. We believe that the best way to begin moving vehicles into a cleaner fuel is by having all necessary pieces in place—and the biggest hurdle NGVs face is infrastructure. All of our partners will have the ability to fuel their vehicles at one location. This will maximize the benefits of the quick- fill station, and provide a necessary link in an entity's ability to fuel their vehicles. The general public will be able to use the station since it is a public access station.

Finally, once we have achieved our goal of 80 NGV's fueling at our quick-fill CNG station in Sarpy County, we will be reducing imported petroleum usage by more than 154,000 gallons per year, and greenhouse gases by more than 207 tons per year.

Environmental objectives, benefits and outcomes
The environmental objectives of this project are to reduce greenhouse gas and other emissions. Advances in engines have improved vehicle performance while exceeding EPA emissions requirements ahead of schedule. Also, heavy duty natural gas vehicles have an 80-90% lower decibel level than comparable diesels.

Natural gas vehicles have tremendous environmental benefits. Natural gas is the cleanest burning alternative transportation fuel commercially available today. Natural gas primarily consists of methane (around 90%), with small amounts of ethane, propane and other gases. Methane is the simplest hydrocarbon molecule made up of one atom of carbon and four of hydrogen (CH4). It is lighter than air and burns almost completely, with by-products of combustion being carbon dioxide and water. Fleets that use natural gas as a transportation fuel will reduce their emissions. The actual emission benefits of introducing natural gas vehicles into a fleet will vary depending on the type of NGVs used and whether the emission comparison is based on the emissions of the vehicles being replaced or new motor vehicles. Fleets that replace in-use medium and heavy duty diesel vehicles with new natural gas vehicles will see the most significant reductions in emissions since medium and heavy duty trucks put out much more emissions than light duty vehicles.

When used as transportation fuel, natural gas can reduce greenhouse gas emissions by 20 – 29 percent compared with diesel and gasoline fueled vehicles, respectively, according to studies by the California Air Resources Board and other organizations.

Emission Benefits
Exhaust emissions from NGV's are generally lower than those of gasoline and diesel powered vehicles. For instance, the natural gas-powered Honda Civic GX is recognized by the U.S. EPA as the cleanest commercially available, internal-combustion vehicle on earth. Compared to its companion gasoline Civic, the CNG powered Civic produces 95% fewer emissions of non-methane hydrocarbons, and 75% less emissions of nitrogen oxides – emissions that contribute to ozone formation. In fact, most available light duty NGV models have been certified to the Federal Tier 2, Bin 2 standard (only Bin 1, which requires 0 emissions, is more demanding).

While new, straight-from-the-factory natural gas fleets will see the most significant emission reductions, another effective strategy for reducing emissions is to repower or retrofit in-use vehicles with a natural gas engine. This project anticipates the use of both strategies- the purchase and immediate conversion of new vehicles, as well as the conversion of some vehicles currently in use. In addition, research and development and use of newer emission control strategies should further improve the emission profile of new natural gas engines in the coming years.

H1. Project Sponsor: Sarpy County

H2. Project Name: Fueling Sarpy County with Natural Gas

The Argonne National Laboratory has developed a calculator Link for Argonne National Laboratory Calculator to assist fleets that want to estimate the emission benefits of replacing existing fleet vehicles with light and heavy duty natural gas vehicles. This calculator shows that fleets can greatly reduce their overall emissions by replacing existing vehicles with natural gas vehicles. Simply by inputting the number of vehicles, the average daily miles and days of week that the vehicle is driven, the reductions in gasoline usage and greenhouse gas emissions can be determined.
According to this calculator, new natural gas vehicles provide the significant benefits compared to in-use gasoline and diesel fueled vehicles. For light duty natural gas vehicles, carbon monoxide emissions and nitrogen oxide emissions are significantly lower that a gasoline or diesel powered vehicle.

The chart below is based on information prepared for the U.S. Department of Energy and California Energy Commission. The estimates compare new natural gas vehicles with new gasoline and diesel powered vehicles. The emission results include criteria pollutants and greenhouse gas emissions.

Light Duty Vehicles (full fuel cycle analysis)	**TIAX - CEC Report**	**GREET Model**
VOCs reductions	55%	45%
CO reductions	11%	1%
NOx reductions	54%	20%
PM 10 reductions	42%	9%
Air toxics	99 - 100%	NA
GHG	30%	15%
Petroleum reductions	100%	99%

Greenhouse Gas Emissions in Greater Detail
Per unit of energy, natural gas contains less carbon than any other fossil fuel, and thus produces lower carbon dioxide (CO2) emissions per vehicle mile traveled. While NGV's do emit methane, another principle greenhouse gas, any increase in methane emissions is more than offset by a substantial reduction in CO2 emissions compared to other fuels. The California Air Resources Board (CARB) has conducted extensive analyses on this issue and it concludes that burning CNG produces about 68.0 grams of carbon dioxide equivalent emissions per mega joule (MJ) burned (this includes all methane emissions). Gasoline and diesel fueled produce approximately 94 – 95 grams of CO2 equivalent emissions per MJ. These comparisons are well documented by CARB and are based on well-to-wheel analyses.

The conclusion of recent studies such as those conducted by CARB and others is that, when used as transportation fuel, natural gas can reduce greenhouse gas emissions by 20 – 29 percent compared with diesel and gasoline fueled vehicles, respectively. In the future, these benefits could increase as natural gas supplies increasingly may be blended with renewable natural gas, commonly referred to as biomethane. Renewable natural gas reduces carbon emissions by almost 90 percent when compared with gasoline and diesel fuel. Therefore, blending conventional supplies of natural gas with renewable natural gas holds great promise of reducing greenhouse gas emissions.

Natural gas is also much safer when it is unintentionally released. When natural gas is unintentionally released, in general, it disperses and is released into the air. It does not cause groundwater, surface water or soil contamination. We are confident

H1. Project Sponsor: Sarpy County

H2. Project Name: Fueling Sarpy County with Natural Gas

that this project will improve the air quality of Nebraska and meet the Trust's goal of improving air quality by reducing greenhouse gases and other emissions.

Economic, social and/or public health impacts
Natural gas vehicles can provide significant financial savings to entities that utilize compressed natural gas (CNG), particularly in fleet applications. Fuel costs are far lower for CNG when compared to gasoline. Historically, the price of CNG has been 40% lower than the price of gasoline. This favorable price differential toward natural gas is expected to remain, due to the abundance of the United States' domestic supply of natural gas. Maintenance costs for natural gas vehicles are usually equal to or less than gasoline or diesel. Lower costs on the fuel itself and sustained or lower maintenance costs mean a reduction in transportation costs, thus savings to the bottom line of any municipality, company or individual.

Beneficial economic impacts will also result from the creation of jobs needed in the construction of the natural gas fueling station. This project brings a relatively new industry to Nebraska, particularly to the partners on this application. While it is uncertain how many new jobs will be created, individuals will be needed in conversion shops, operation and maintenance professionals will be required, individuals to install service lines and equipment will be needed, and employees will face training and educational requirements. In a study released by the Florida Natural Gas Vehicle Commission, they estimate an aggressive program to convert vehicles to cng would generate $1 billion in economic output, $300 million in additional wages, and 10,000 new jobs.

In addition to the environmental benefits discussed above, natural gas vehicles are cleaner and quieter. Natural gas vehicles that have a CNG engine have improved performance while exceeding EPA emissions requirements ahead of schedule. In addition, heavy duty natural gas vehicles have an 80-90% lower decibel level than comparable diesel vehicles.

Innovative features/preventive components
This project will bring a proven but underutilized transportation fuel to all of the entities involved with this project. While the usage of natural gas as a transportation fuel will be somewhat new to the community partners, Black Hills Energy has experience with natural gas vehicles in other communities and states. The fueling station will provide a similar fueling experience for the vehicle operators, except that the price should be more affordable. What makes the natural gas fueling station innovative is the public/private partnership created, as wells as the opportunity to expand the number of cng fueling stations in Nebraska. We believe that by giving motorists the ability to use natural gas with tremendous ease, more people, particularly fleet operators, will be compelled to consider using natural gas vehicles. Many people have misconceptions about the safety of natural gas as a fuel or about its capacity for use as a transportation fuel. Giving drivers a very similar refueling process will help eliminate these misconceptions.

In addition, the community partners all have the capacity to expand their usage of natural gas due to the number of vehicles in their fleets. We have asked them to keep records to show the cost savings of these conversions, as well as determine the amount of their greenhouse gas reductions by using cng vehicles. We believe these measurements will show the cost-effectiveness and environmental benefits of using natural gas as a transportation fuel.

Measures taken to maximize cost effectiveness
Increasing the usage of natural gas vehicles provides so many benefits, both to the entities using them and the environment. The construction of this natural gas fueling station offers a location for the partners on this application and the public to fuel their natural gas vehicles. This alleviates the concern that many fleet operators and other drivers have when considering natural gas by giving them a place to fuel their vehicles. In addition, all of the entities on this application are within Sarpy County, so the proximity of everyone involved will allow the parties to be as financially prudent as possible. In addition, all entities will be monitoring their cost savings and environmental benefits by using cng.

H1. Project Sponsor: Sarpy County

H2. Project Name: Fueling Sarpy County with Natural Gas

Contributors to the project
All of the public applicants on this project plan to purchase vehicles for conversion to natural gas or use vehicles they have already purchased for conversions. We feel that the commitment of each of the partners to contribute financially to the construction of the station, plus their commitment to purchase and convert vehicles to natural gas displays their dedication to using an alternative fuel. We will be able to analyze the approximate environmental benefits and economic benefits after each entity purchases their vehicles. Since the cost of vehicles, their applicable emissions levels (before and after conversion) and their fuel and maintenance costs vary, we will be able to verify our impact more precisely after the vehicles have been purchased. One of the tools we will use is the calculator developed by the Argonne National Laboratory to measure the reduction in emissions and the fuel cost savings. There are several tools available that will allow us to measure the reduction in emissions and the fuel cost savings.

Federal/state permits or approvals
Our project may require the involvement of and potential permits from the State Fire Marshal, various city planning/development departments, the Department of Revenue and the Department of Environmental Quality. We have not have discussions with any of these entities regarding this project.

In summary, this project will result in the construction of a new compressed natural gas fueling station and facilitate the conversion of eighty natural gas vehicles to be used on the roads of Nebraska.

Applicability of feature program bonus points
This project is eligible for bonus points because the project falls within District 2 of the geographic distribution map.

We believe this project is also eligible for feature program bonus points. This project is based on a regional approach, with the participating entities dispersed throughout Sarpy County. With the opening of the CNG stations in Lincoln, Omaha and this new station, Nebraskans will now have several locations to fuel their natural gas vehicles. The site of this fueling station is also relatively close to the NGV corridor being developed along Interstates 80 and 29.

This application also requests funding for educating Nebraskans about the benefits of compressed natural gas and natural gas vehicles. In addition to the formal education program regarding the health benefits of cleaner burning fuels and cleaner air offered by the American Lung Association (or a similar group), we also plan to continue educating the public about the benefits of natural gas vehicles. Each time there is news coverage about CNG, we receive phone calls and emails from individuals interested in learning more about the financial and environmental benefits of natural gas. We anticipate spending significant amounts of time responding to other entities, including fleet managers in both the public and private sector, individuals and other natural gas providers interested in natural gas vehicles.

The project includes public and private parties, and we plan to coordinate our efforts on all aspects of the project to maximize efficiencies and keep costs low. Additional agreements between the parties involved will be necessary for the construction of the station, as well as other planning and marketing activities. In addition, Black Hills Energy intends to operate and maintain the fueling station. The use of natural gas vehicles does represent community and economic values—through the emphasis on natural gas a domestic fuel, emphasis on using an alternative transportation fuels, and the stewardship of financial resources due to the cost saving potential of natural gas vehicles. In Nebraska, we have already seen both private and public entities begin to introduce natural gas vehicles to their fleets. Entities such as the City of Lincoln, the State of Nebraska, the Lincoln Airport Authority, the City of Lincoln's Library bookmobile and private entities such as Eric's Electric in Lincoln are already driving natural gas vehicles. Their actions are helping Lincoln to become a "Cleaner, Greener Lincoln" by reducing emissions.

This project will achieve significant, measurable environmental benefits, and provide a platform for further development of the natural gas vehicle market. The project also maximizes delivery options since all partners are close in proximity geographically, as well as currently served by Black Hills Energy, and the ongoing commitments among the partners will

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NEBRASKA ENVIRONMENTAL TRUST FUND

APPLICATION BUDGET SUMMARY

H1. Project Sponsor: **Sarpy County**

H2. Project Name: **Fueling Sarpy County with Natural Gas**

ensure a maximization of time, equipment, and other resources. The partners anticipate signing formal agreements detailing this project upon a successful grant application.

BUDGET YEAR: **SUMMARY/1 YEAR ONLY**

Column A	Column B	Column C	Column D	Column E	Column F
1. Source of Funds ▶	Nebraska Environmental Trust				
2. Budget Category ▼					
6.					
7.					
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10.					
11.					
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17.					
18. TOTALS ▶					

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NEBRASKA ENVIRONMENTAL TRUST FUND
APPLICATION BUDGET YEAR ONE

H1. Project Sponsor: **Sarpy County**

H2. Project Name: **Fueling Sarpy County with Natural Gas**

BUDGET YEAR: **ONE**
(This page is used by multi-year grants only. If your project is not a multi-year grant, then ignore or delete this page.)

Column A	Column B	Column C	Column D	Column E	Column F
1. Source of Funds ▶	**Nebraska Environmental Trust**	Sarpy County	Cities of Bellevue, La Vista and Papillion	Black Hills Energy	TOTALS ▼
2. Budget Category ▼					
3. Fueling Station Costs	$500,000	$62,500	$62,500 each	$250,000	$1,000,000
4. Vehicle Purchase costs		$100,000	$100,000 each	\	$400,000
5. Vehicle conversion costs	$142,000				$142,000
6. Education	$50,000				$50,000
7. Operation and Maintenance of station				$32,000	
8.					
9.					
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11.					
12.					
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14.					
15.					
16.					
18. TOTALS ▶	$692,000	$162,500	$487,500	$282,000	$1,592,000

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NEBRASKA ENVIRONMENTAL TRUST FUND
APPLICATION BUDGET YEAR TWO

H1. Project Sponsor: **Sarpy County**

H2. Project Name: **Fueling Sarpy County with Natural Gas**

BUDGET YEAR: **TWO**
(This page is used by multi-year grants only. If your project is not a multi-year grant, then ignore or delete this page.)

Column A	Column B	Column C	Column D	Column E	Column F
1. Source of Funds ▶	**Nebraska Environmental Trust**	Sarpy County	Cities of Bellevue, La Vista and Papillion	Black Hills Energy	TOTALS ▼
2. Budget Category ▼					
3. Vehicle purchase costs		$100,000	$100,000 each	\	$400,000
4. Vehicle conversion costs	$242,000		\	\	$242,000
5.Operation and maintenance of station				$32,000	
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16.					
18. TOTALS ▶	$242,000	$100,000	$300,000	$32,000	$642,000

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NEBRASKA ENVIRONMENTAL TRUST FUND
APPLICATION BUDGET YEAR THREE

H1. Project Sponsor: **Sarpy County**

H2. Project Name: **Fueling Sarpy County with Natural Gas**

BUDGET YEAR: **THREE**
(This page is used by multi-year grants only. If your project is not a multi-year grant, then ignore or delete this page.)

Column A	Column B	Column C	Column D	Column E	Column F
1. Source of Funds ▶	Nebraska Environmental Trust	Sarpy County	Cities of Bellevue, La Vista and Papillion		TOTALS ▼
2. Budget Category ▼					
3. Vehicle purchase costs	\	$100,000	$100,000 each	\	$400,000
4. Vehicle conversion costs	\	$48,000	$48,000 each	\	$192,000
5.Operation and Maintenance of station				$32,000	
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18. TOTALS ▶		$148,000	$148,000	$32,000	$592,000

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NEBRASKA ENVIRONMENTAL TRUST FUND
APPLICATION BUDGET JUSTIFICATION

H1. Project Sponsor: Sarpy County

H2. Project Name: Fueling Sarpy County with Natural Gas

1. Have other sources of funding not listed in the Budget Worksheet been approached for project support? If yes, name them and explain the outcome of your request.

No.

2. Are all of the matching funds in the Budget Worksheet confirmed? If not, please identify those entities and list the date when confirmation is expected. Explain how you will implement the project if these sources do not confirm participation.

Yes, confirmation letters from all partners are included. However, the public entities may need additional board approval for pieces contained in this application if funding is approved.

3. If any of the project costs identified in Column B of the Budget Worksheet have been expended or if debt has been incurred for these costs or a sponsor or partner is obligated for these costs in any other way: List these costs here. Explain clearly why Trust grant funds are requested for these costs.

None.

4. For each line item in column A of the Budget Worksheet, justify the basis for the dollar amount indicated for that item.

CATEGORY/COMPONENT (from Column A of the Budget Worksheet)	BASIS USED TO DETERMINE COST	Attachment? Y or N	ATTACHMENT LABEL
3. Fueling station costs	\	\	\
4. Vehicle purchase costs	\	\	\
5.Vehicle conversion costs			
6. Education			
7.Operation and maintenance of station			
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NEBRASKA ENVIRONMENTAL TRUST FUND

PROJECT SPONSOR FINANCIAL INFORMATION

H1. Project Sponsor: Sarpy County

H2. Project Name: Fueling Sarpy County with Natural Gas

Please see the instructions for section C-3. Attachments to this document may be necessary to complete this section. Include these attachments with your hard copy submission.

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NEBRASKA ENVIRONMENTAL TRUST FUND

TIMELINE

H1. Project Sponsor: Sarpy County

H2. Project Name: Fueling Sarpy County with Natural Gas

See instructions for section D.

Month/Year	Task Description:
4/13	Grant notification
Fall/2013	Begin construction of fueling station
Summer/2014	Convert sixteen vehicles on application to cng
Summer/2015	Convert sixteen of vehicles on application to cng
Summer/2016	Convert sixteen vehicles on application to cng
Summer/2017	Convert sixteen vehicles on application to cng
Summer/2018	Convert sixteen vehicles on application to cng

H1. Project Sponsor: Sarpy County

H2. Project Name: Fueling Sarpy County with Natural Gas

Please see the instructions for filling out section E. Letters of confirmation should be included with your hard copy submission.

Partner	Contribution
Sarpy County	$706,500---$62,500 (station); $500,000 (vehicle costs); $144,000 (vehicle conversions)
City of Bellevue	$706,500---$62,500 (station); $500,000 (vehicle costs); $144,000 (vehicle conversions)
City of La Vista	$706,500---$62,500 (station); $500,000 (vehicle costs); $144,000 (vehicle conversions)
City of Papillion	$706,500---$62,500 (station); $500,000 (vehicle costs); $144,000 (vehicle conversions)
Black Hills Energy	$250,000 plus O & M costs

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NEBRASKA ENVIRONMENTAL TRUST FUND
REAL ESTATE / SITE PLAN

H1. Project Sponsor: **Sarpy County**

H2. Project Name: **Fueling Sarpy County with Natural Gas**

This section will not apply to every project. Please see instructions for section F. Attachments should be sent with the hardcopy submission.

Legal Description	County	#Acres
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