

**Questions & Answers**

**2015 Industrial Natural Gas Energy Efficiency Grants**

**GFO-15-501**

**California Energy Commission**

October 14, 2015

<b>Eligible Applicants</b>	
Q. 1	Our business has plans to convert our busses to natural gas which includes changing our piping system here at the facility. Would this type of project be eligible for this grant?
A. 1	No. This solicitation focuses on demonstrating pre-commercial and/or emerging energy efficient technologies that will directly reduce natural gas use in California's industrial sector. Please refer to page 10 of the grant manual and Attachment 13 for more information.
Q. 2	Does our technology possibly qualify for consideration? We have technology for steam producing boiler industrial applications that increases the amount of steam produced and dramatically reduces NOx production of the boiler. This technology has the added benefit of being able to either produce electrical energy or do mechanical work as an additional benefit to the increased steam production per BTU of Natural Gas. 1) Would this additional benefit of energy production disqualify us from this solicitation? 2) Does the additional benefit of reduced point source pollution from Natural Gas make this potentially more attractive candidate for funding?
A. 2	This solicitation focuses on demonstrating pre-commercial and/or emerging energy efficient technologies that will directly reduce natural gas use in California's industrial sector. Please refer to page 10 of the grant manual and Attachment 13 for more information.  1. No. The project would not be disqualified for having extra benefits. The project must still show a reduction in direct natural gas use.  2. Yes, it would potentially make the project more attractive however, the proposed technology is still required to show a reduction in natural gas use.

Q. 3	If a technology directly improves energy (electricity) efficiency in the field, but in turn helps lower the natural gas demand by the electric utility to produce energy, is the technology eligible for funding under this program?
A. 3	No. This solicitation focuses on <u>directly</u> reducing natural gas use through energy efficiency and not on offsetting natural gas use by the electric utility. A project that would only save electricity would not be eligible for this solicitation. Please refer to page 1 and 10 of the grant manual. Energy efficient technologies are those that either use less natural gas to provide the same service at an industrial, agriculture and water facility, or provide more services with the same amount of natural gas input.
Q. 4	The proposed technology is currently being tested at pilot-plant scale and aims to utilize poor quality gaseous fuels, e.g., natural gas containing large quantities of CO <sub>2</sub> , biogas, etc. The key aspect here involves improving the fuel's combustion characteristics and also boosting its heating value via auto thermal dry reforming and efficient waste-heat utilization from the engine exhaust. This technology is being developed jointly by GC Environmental and the University of Southern California based on a CEC-EISG grant. Would this technology be applicable for this grant?
A. 4	This technology could possibly be applicable if it can demonstrate natural gas savings in an industrial facility and meet all the requirements specified in the solicitation in Sections I and II. Also, such technology must be able to meet local air quality standards. The focus of the solicitation is to demonstrate pre-commercial and/or emerging energy efficient technologies that will directly reduce natural gas use in California's industrial sector. This solicitation does not fund energy generation projects or those that produce renewable natural gas, such as biogas, as a substitute for natural gas.

<b>Administrative</b>	
Q. 1	The performance data outlined as required in the Attachment 4 Project Narrative states it is to be attached as a separate document. Yet the review criterion on page 24 of the instructional manual under 1e Technology Merit and Need states it is to be included information in Attachment 4. Which is correct? If a part of Attachment 4 can we include it as an appendix?
A. 1	Please include the performance data in Attachment 4 as a separate attachment. Note that the performance data do not count as part of the 25 page limit for the Project Narrative (see page 12) of the application manual.