



Greenhouse Gas Emissions Reduction Mitigation Grant Program Final Construction Report

Note to Grant Recipients: This report will supply the Port with information about the completion of your GHG Grant project. We are interested to know about project successes, problems, and measures that you will take to ensure the project meets or exceeds the useful life described in your grant application. Now that your project is finished, we want to know what kind of metrics you will use, and the frequency of those measurements, to determine the effectiveness of your project in reducing greenhouse gas emissions. Use as much space as you need for each field; there is no page limit. For more information, please contact the Port's GHG Grant program manager at (562) 283-7100.

General Information	
Grant Recipient Organization Name	Long Beach Public Transportation Company (Long Beach Transit)
POLB Contract Number	Greenhouse Gas Emissions Mitigation Grant Program HD-8145
Grant Project Title	Long Beach Transit All-Electric Bus Project

Expenditures	
Total Grant Award	\$700,000.00
Total POLB Grant Funds Expended	\$700,000.00
Total POLB Grant Funds Invoiced to Date	\$0.00
Total Project Cost	\$10,594,828.44
Will you be applying for a rebate?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, amount: \$126,000.00 The rebate share for the Port's GHG Grant is \$100,385.12. Per the email correspondence on 07/18/16, LBT and the Port agreed that the rebate will be used to partially fund the charging equipment.

Project Completion Evaluation	
What was the project completion date?	06/22/2016
On a scale of 1 to 10, how satisfied were you with the project implementation?	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input checked="" type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10
Were the project costs the same as what you expected?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, they were less <input type="checkbox"/> No, they were more



Greenhouse Gas Emissions Reduction Mitigation Grant Program Final Construction Report

Would you recommend this type of project to an agency or organization similar to yours?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Describe any significant problems you had in implementing this project. What were the notable successes?	LBT had to go through a second procurement before a final contract was issued, but the end result worked well. The award was to BYD, who established a new manufacturing plant for electric buses in LA County. This was a challenge, but LBT was able to overcome by doing a Quality Management System audit of their manufacturing plant prior to authorizing the build.

Metrics and Measurements	
What metric will you use to determine the effectiveness of your project in reducing, capturing, or avoiding GHG emissions? How will it be calculated?	LBT will be capturing and reporting our impact to GHG emissions to the Federal Transit Administration for the next two years, comparing this bus to the diesel buses retired. Internally, we will be collecting the data and reporting monthly for it's 12 year life.
How frequently will you be collecting these measurements?	<input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Yearly <input checked="" type="checkbox"/> Other: Quarterly
If your project has an educational aspect, what type of data will you collect to determine its effectiveness?	LBT will be monitoring its effectiveness on a monthly basis, to not only look at GHG, but also reliability, operating costs, and performance. We will be comparing this to the rest of our fleet using our standard KPI's

Project Maintenance	
What type of maintenance will you conduct to ensure that your project produces GHG emission reduction benefits throughout or beyond the warranted or predicted life of the equipment/materials?	LBT will follow the recommended Preventative Maintenance as agreed upon with the manufacturer. Additionally LBT has standard SOPS that require daily inspection by our operators and respond to any concerns using our asset management system. We also have standard inspections by our maintenance crew.
How often will you need to perform maintenance on your project?	<input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Yearly <input checked="" type="checkbox"/> Other: 6,000 mile intervals

You may attach documentation relating to the completion of your project. This documentation may include receipts, invoices, meeting sign-in sheets, photographs, fliers, media coverage, educational materials, or presentations.

Report Prepared By:	Name: Kana Sato-Nguyen	Phone: 562-599-8577
	Email: ksato@lbtransit.com	Date: 7/21/2016