



**GOVERNMENT OF ANTIGUA AND BARBUDA  
DEPARTMENT OF ENVIRONMENT (DoE)**

**REQUEST FOR PROPOSALS  
FOR  
THE PROCUREMENT OF ELECTRIC SCHOOL BUSES  
AND CHARGING STATIONS**

<b>Title</b>	<b>Request for Proposals (RFP) Procurement of Electric School Bus(es) and Charging Stations for the Department of Environment, in collaboration with the Antigua and Barbuda Transport Board</b>
<b>Date of Issue</b>	<b>April 16 2018</b>
<b>Deadline</b>	<b>April 30 2018</b>
<b>Notes</b>	<b>This Request for Proposals serves to provide the technical and other requirements necessary for the procurement of the two electric buses.</b>
<b>To Apply</b>	<p><b>Please email the Procurement Officer, Department of Environment at <a href="mailto:antiguaenvironmentdivision@gmail.com">antiguaenvironmentdivision@gmail.com</a> copied to <a href="mailto:diann.black-layne@ab.gov.ag">diann.black-layne@ab.gov.ag</a> and <a href="mailto:dcblack11@gmail.com">dcblack11@gmail.com</a> and the subject line shall be clearly marked “Procurement of Electric School Buses and Charging Stations for the Department of Environment”</b></p> <p><b>The following information must be submitted for the RFP:</b></p> <ul style="list-style-type: none"><li>• <b>Technical Proposal - Statement of the applicant’s ability to deliver the requirements listed in the Scope of Work;</b></li><li>• <b>Financial proposal (including budget);</b></li><li>• <b>Legal certificate of incorporation; and</b></li><li>• <b>List of references.</b></li></ul>

## 1. Background:

The transportation sector in Latin America and Caribbean (LAC), and particularly the emissions of carbon dioxide, is a major contributor to greenhouse gas emissions, and climate change. From 1980 to 2005, carbon dioxide (CO<sub>2</sub>) emissions released from fossil fuel consumption increased from 760 to 1,327 million tons in LAC, with the transport sector cited as one of the main contributors.<sup>1</sup> Additionally, it is a source of localized air and noise pollution, as well as traffic congestion, which negatively impacts public health and safety and exacerbates climate change. Globally, poor air quality has become a major health concern in urbanized areas and developing countries have developed and implemented adaptation and mitigation strategies to address this issue. If the cost and benefits of improved air quality to women, men, children, the elderly, and differently-abled persons were fully valued, the estimated net costs of climate policies would be substantially reduced.<sup>2</sup>

Through this initiative, the Government of Antigua and Barbuda will pilot green technology electric school buses in order to improve data collection and capture lessons learned for upscaling nationally and regionally. Key expected outcomes from this project include:

- Assessing the feasibility of electric vehicles within the context of Small Island Developing States (SIDS);
- Adopting approaches for mitigating environmental and social risks of new electric vehicle technologies;
- Enhancing the skills of youth, women, men and differently-abled persons in maintaining and implementing green technologies; and
- Learning best practices for full life cycle assessments and decommissioning of non-compliant fossil fuel vehicles.

This *Electric School Bus Pilot in Antigua and Barbuda* initiative will be one of the first public sector electric vehicle initiatives within the Organisation of Eastern Caribbean States (OECS). With implementation and future upscaling, this initiative represents a major shift towards reversing increasing trends in gasoline and diesel vehicle growth rate increases of 5.8% and 4.2% respectively (2000 and 2009 trends).

## 2. Scope of Agreement of Cooperation

The Department of Environment (DoE) is requesting proposals from entities that are capable of meeting the scope of work listed below.

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<sup>1</sup> Govinda R. Timilsina; Ashish Shrestha. The Growth of Transport Sector CO<sub>2</sub> Emissions and Underlying Factors in Latin America and the Caribbean

<sup>2</sup> Harlan S.L., and D.M. Ruddell (2011). Climate change and health in cities: impacts of heat and air pollution and potential co-benefits from mitigation and adaptation. *Current Opinion in Environmental Sustainability* 3, 126–134. (DOI: 10.1016/j.cosust.2011.01.001).

**3. Scope of Work:**

1. Proposed cost of purchasing two (2) electric school buses with 24 - 40-seater capacity and driving range greater than 60 miles. Buses must be able to accommodate differently-abled passengers, including the elderly and those utilizing wheel chairs.<sup>3</sup>
2. Proposed cost of purchasing and installing two (2) level 2 and/or level 3 charging stations for the buses at the East Bus Station and the Antigua and Barbuda Transport Board in Herbert’s Estate. Charging stations should have a built-in meter for ease of data collection;
3. Proposed annual maintenance schedule and operational cost for the vehicles, inclusive of incorporating vulnerable communities into the maintenance schedule;
4. Proposed cost of training mechanics, including youth, women, men and differently-abled persons to maintain the vehicles; and
5. Proposed cost of training bus drivers; including youth, women, men, and differently-abled persons; to manage the vehicles.

**4. Selection Process and Criteria:**

The technical and financial proposals will be reviewed by an Evaluation Committee with the technical expertise to evaluate the merits and feasibility of the proposal based on the following selection criteria (maximum of 100 points) and applicable cost principles. All applicants will be advised by the DoE on the outcome of the evaluation process.

Item #	Selection Criteria	Description	Maximum Score
1	Qualifications and availability	Viable arrangements for purchase and maintenance of vehicles. <b>30 points</b>	60
		Technical and Financial proposal with detailed implementation and maintenance plans that incorporate women, men, youth and differently-abled persons <b>30 points</b>	
2	Experience with training	Proven track record of training individuals, including, women, men, youth and differently-abled persons in vehicle maintenance. <b>10 points</b>	15
		Fluency in written and spoken English as well as strong analytical and communication	

<sup>3</sup> School buses are normally used after hours. This is an important option for the transport Board since buses can earn additional income to cover maintenance and insurance costs.

		skills. <b>5 points</b>	
3	Adherence to TOR's specifications and requirements.	Quality of proposed work plan and methodology. <b>5 Points</b>	15
		Identification of risks and proposed management measures. <b>5 Points</b>	
		Clear understanding of TOR deliverables, including incorporating youth, women, men and differently-abled persons, as well as listing 3 references. <b>5 Points</b>	
4	Cost Feasibility	Are estimates viable and within market costs. <b>10 Points</b>	10
TOTAL			100