

# The Piloting of a Public school Bus Transportation System for St. Kitts Using Renewable Energy

## St. Kitts and Nevis

### THE PROJECT

The project calls for the purchase of an electric school bus and the installation of 2 solar-powered charging stations for the city of Basseterre, the capital of St. Kitts and Nevis.

### BACKGROUND

St. Kitts and Nevis is characterized by the high average cost of electricity which is a significant problem for energy security and sustainability. In 2011, the value of fuel imports amounted to 8% of GDP. Furthermore, transportation constitutes an energy-intensive sector which accounts for about 31% of the annual fuel consumption in the country.

### CONTRIBUTION TO

➡ **NDC St. Kitts and Nevis:** reduction of greenhouse gas emissions by 35% within 2030 according to the scenario *Business as Usual*, (BAU).

➡ **2030 Agenda:** Goal 7 – Sustainable energy; Goal 13 – Actions for the climate.

### OBJECTIVE

Contribute to the transition to a low-carbon economy by facilitating the transition from the use of fossil fuels to renewable energy in the public transport sector.

### PLANNED ACTIVITIES

- [Consultation to conduct the feasibility study for the use of electric vehicles in the public transportation sector of St. Kitts and Nevis, \(call open only nationwide\).](#)
- [Tender for the supply of 2 charging stations and 1 school bus.](#)
- Training and capacity building for sector operators.
- Economic, technical, environmental and social evaluation of the process of converting public transport to renewable energy.
- Promotion and dissemination of information collected at national and regional level.
- Administrative support.

### SUBJECTS

#### Promoters:

- Ministry of the Environment and Energy Security (MASE)
- Permanent Representation of St. Kitts and Nevis to the United Nations

#### Actuators:

Caribbean Community Climate Change Center, (CCCCC)

### TOTAL COST OF THE INITIATIVE

**\$ 564,000**

**Lender: MASE**

**Other lenders: ---**

### OUTPUT

- Feasibility study on the introduction of electric vehicles in the public transport sector of St. Kitts and Nevis.
- 2 Solar-powered charging stations installed in the city of Basseterre.
- 1 school bus powered by electricity.
- Trained transport operators.
- Workshop for the dissemination of results.