

# MODERNIZING THE LAND TRANSPORT SECTOR IN BELIZE: Piloting Emobility In the Public Transit System



Funded by the European Union

**CSEF 2023**  
*Hon. Rodwell Ferguson*  
**Minister, Ministry of Youth, Sports & Transport**  
*Belize*

*8 November 2023*



# PRESENTATION OUTLINE

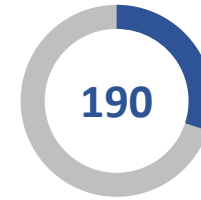
- 1 Current State of Transport Sector In Belize
- 2 National Context: National Priorities
- 3 Modernizing The Land Transport Sector
- 4 Piloting Emobility in Belize
- 5 Key Milestone

# Belize

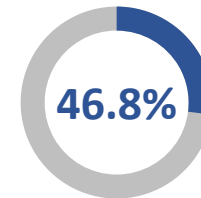
## Current State of Transport Sector

Total Commuters  
100,000

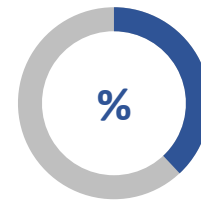
190 licensed public transport operators  
**190**



Transport accounts for 49.8% of  
total energy consumption



Emissions equating to 64% of overall  
energy in 2019



# NATIONAL CONTEXT: POLICIES SUPPORTING TRANSPORT SECTOR TRANSFORMATION

## The National Climate Change Policy, Strategy, and Action Plan (NCCPSAP)

- Transport sector as largest source of GHG EMISSIONS
- Calls for climate action in transport sector

## Nationally Determined Contribution

- **Transport target to avoid 117 KtCO<sub>2</sub>e/year**

## Comprehensive National Transport Master Plan (CNTMP)

- **Calls for a pilot study using electric vehicle**
- **To increase the quality of service of the public transport system.**
- **To increase the resilience of the transport system**

# MODERNIZING THE LAND TRANSPORT SECTOR



Mandating the upgrading of fifty percent of the bus fleets by December 2023



Establishing emission standards



Use of telematics and other GPS technology to monitor buses



Digitizing the process for Road Service Permits (Approvals and revocations)

# Pilot Project:

**Project title:** Towards Low Carbon Transport:  
Piloting e-mobility within Belize's Public Transport  
System

**Total Budget :** Euros 4.5 million

**Project Duration:** 39 months

The **strategic objective** of the project is to facilitate transformation within Belize's Transportation Sector through the enabling of low carbon means of transportation.

This project is funded by the European Union under the EDF 11



# Project Components



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**1. E-mobility Institutionalization:  
Creating an ecosystem for e-mobility**

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**3. Enabling investments in e-mobility and upscaling of system**



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**2. Demonstration of e-mobility application in the public transport sector**

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**4. Effective Project Management/ Communications and Visibility**

# KEY MILESTONES



# POLICY DEVELOPMENT

- 2023 project launched consultancy to **investigate the potential of electro-mobility** in Belize
- High upfront EV **purchase price** and **high automotive tax** as the most barrier to EV expansion
- Draft strategy & action plan addressing barriers





## **CAPACITY BUILDING & TRAINING: DEVELOPMENT OF A NATIONAL TRAINING CURRICULUM**

# Pilot Demonstration

Introduction of 5 electric buses in the public transit system (an intracity and intercity pilot)

Using telematic systems to collect national transport sector data

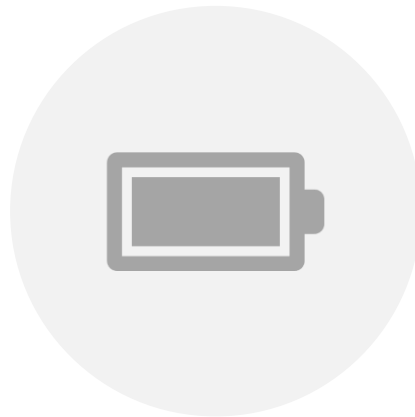
Tracking performance to contribute to standardized data management



# Charging Infrastructure



NATIONAL MAPPING OF CHARGING  
NEEDS AND INFRASTRUCTURE



INSTALLATION OF A MINIMUM OF 8  
DC FAST CHARGING STATIONS  
ACROSS THE COUNTRY



CONSTRUCTION OF A CHARGING  
DEPOT IN COMMERCIAL CENTER-  
BELIZE CITY



## Public Awareness & Communication

**“eMobility Public Information Conversation” (EPIC stakeholder consultations) as a tool for dissemination of project related information and promoting low carbon transport in Belize**



THANK YOU!