



IN PARTNERSHIP WITH



# Urban Connect x LocalLab Building a Future-Ready Cagayan de Oro City

Mobility Solutions for Future-Ready Cities

## YVONNE PALOMAR-CASTRO

Government Relations  
AC Mobility





# Urban Mobility Solutions: The Impact of EVs on Public Transportation and City Infrastructure

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BYD EV Road Test  
Vigan, Ilocos Sur

## ACMobility strives to be the Mobility Provider for All by 2030

ACMobility EV Charging Hub  
Ayala Malls Manila Bay



# The Electric Vehicle Industry Development Act (EVIDA) Mandates Government and Public Transportation to shift 10%-50% of their fleet to EVs by 2040.

## COMPREHENSIVE ROADMAP FOR THE ELECTRIC VEHICLE INDUSTRY

# CREVI

CLEAN ENERGY SCENARIO FIFTY PERCENT (50%) EV FLEET SHARE BY 2040

### Vision

To electrify a diverse range of vehicles and establish a domestic EV industry with strong export potential, with the aim of building a sustainable future, where new electric vehicles and the required infrastructure are locally robust with reduced environmental impact.

#### ACTION PLAN

**EV Industry Initiatives**

- Government Support:**
  - All Government agencies and departments to support EV industry.
  - All Government agencies and departments to support EV industry.
  - Provide the use of EVs in public.
- Manufacturing Development:**
  - Manufacturing of EVs including L1, L2, and L3 systems with the use of commercial vehicles.
  - Manufacturing of EVs through parts and components such as batteries, motors, inverters, and charging systems.
- Research and Development:**
  - Battery storage research and development.
  - Battery manufacturing and utilization of indigenous materials for alternative battery technologies.
  - EV manufacturing including cell, pack, and system vehicles.
- Human Resource Development:**
  - Capacity building for EV and EVCS manufacturing and maintenance.
  - Capacity building of the department of EV and EVCS at the local level.
- Policy Development:**
  - Formulation of EV and EVCS and implementation of charging system.
  - Standardization of EVCS infrastructure.
  - Clear and Public Data for EVCS and EV.
  - Establishment of EVCS and EVCS.
  - Strengthening of Government Agencies Commission.
  - Review and Revision of EV in the local and international.
  - Training Support.
  - Market Management, Reporting, and Monitoring of EV vehicles.
  - Integrate EVCS with other energy sources.
  - Electric Vehicle Industry Development and Management Policy Implementation.

#### SHORT TERM (2023-2028)

EV and EVCS Targets

2,454,200 Electric Vehicles	66,500 EV Charging Stations
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Car*	418,000 HEV 48,000 PHEV 48,000 BEV
Tricycle	440,000 BEV Motorcycle: 1,480,000 BEV
Bus	2,300 BEV

\*Two-wheeler vehicle, BSA, and UTV

#### MEDIUM TERM (2029-2034)

EV and EVCS Targets

1,851,500 Electric Vehicles	41,800 EV Charging Stations
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Car*	324,000 HEV 30,000 PHEV 307,000 BEV
Tricycle	382,000 BEV Motorcycle: 907,000 BEV
Bus	1,300 BEV

\*Two-wheeler vehicle, BSA, and UTV

#### LONG TERM (2035-2040)

EV and EVCS Targets

2,001,600 Electric Vehicles	39,800 EV Charging Stations
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Car*	187,000 HEV 187,000 PHEV 847,000 BEV
Tricycle	323,000 BEV Motorcycle: 822,000 BEV
Bus	1,600 BEV

\*Two-wheeler vehicle, BSA, and UTV

Screenshot

## COMPREHENSIVE ROADMAP FOR THE ELECTRIC VEHICLE INDUSTRY

# CREVI

BUSINESS AS USUAL SCENARIO TEN PERCENT (10%) EV FLEET SHARE BY 2040

### Vision

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#### SHORT TERM (2023-2028)

EV and EVCS Targets

311,700 Electric Vehicles	7,300 EV Charging Stations
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Car*	81,000 HEV 10,000 PHEV 13,000 BEV
Tricycle	27,000 BEV Motorcycle: 134,000 BEV
Bus	600 BEV

\*Two-wheeler vehicle, BSA, and UTV

#### MEDIUM TERM (2029-2034)

EV and EVCS Targets

580,600 Electric Vehicles	14,000 EV Charging Stations
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Car*	48,000 HEV 24,000 PHEV 123,000 BEV
Tricycle	71,000 BEV Motorcycle: 311,300 BEV
Bus	1,200 BEV

\*Two-wheeler vehicle, BSA, and UTV

#### LONG TERM (2035-2040)

EV and EVCS Targets

852,100 Electric Vehicles	20,400 EV Charging Stations
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Car*	38,000 HEV 38,000 PHEV 216,000 BEV
Tricycle	103,400 BEV Motorcycle: 454,400 BEV
Bus	1,800 BEV

\*Two-wheeler vehicle, BSA, and UTV

Screenshot

**The Electric Vehicle Industry Development Act (EVIDA)  
Mandates Government and Public Transportation to shift 10%-50%  
of their fleet to EVs by 2040.**

**Philippines is committed to reduce 70% Green House Gas (GhG) emission by 2030 as  
a signatory to the Paris Agreement.**



**1/20 Parking Slot should be with EVCS**



**Green Routes Integrated in LPTRP**

# Government's Strong Push on EV Transition: 161 Registered Charging Stations by mid 2024, 70% Savings on Fuel VS ICE

**ACMobility conducted an EV Efficiency Run with AAP last February 2024 – Resulted in 71% savings versus ICE**



Details	BYD Atto 3	Corolla Cross G (Gas)	Savings vs ICE (%)
Peso / km	1.95	6.77	71%
@100kms	195	677.46	
Ave. Weekly Travel	205kms		
Weekly Expenses (Php)	399.74	1,388.79	71%
Monthly Expenses (Php)	1,598.96	5,555.15	
Annual Expenses (Php)	19,187.47	66,661.86	

**185**  
Establishments  
Commercial Chargers registered under DOE Department Circular No. 2023-05-0011.

**161**  
AC Stations  
Refers to EVCS utilizing Modes 1-3.

**22**  
DC Stations  
Refers to EVCS utilizing Mode 4.

**9**  
Swapping Stations  
Refers to EVCS facility which allows the EV users to exchange a near discharged battery with a fully charged battery.

**56**  
Accredited EVCS Providers  
Accredited EV Charging Station Providers under DOE Department Circular No. 2023-05-0011.

**39**  
EVCS Operators  
Collects fees from EV users in exchange for the use of facilities of EVCS to charge EVs.

**27**  
EVCS Service Providers  
Collects fees on the construction, installation, data and payment management, and maintenance of EVCS.

**26**  
EVCS Suppliers  
Sells EVCS, or any of its parts/components for a fee.

Data from [www.evindustry.ph](http://www.evindustry.ph)



Source: internet

## Low Carbon Mobility

Focused City - by supporting zero emission transport modality

## Public Transport

Electrification- by prioritizing Green Routes in LPTRP

## Integrated EV

Charging Hubs by incorporating in buildings and City's urban planning

**CDO Can!**  
Smart and Sustainable City Program





**Thank You!**

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