

Developing the Regional Electric Vehicle Strategy (REVS)



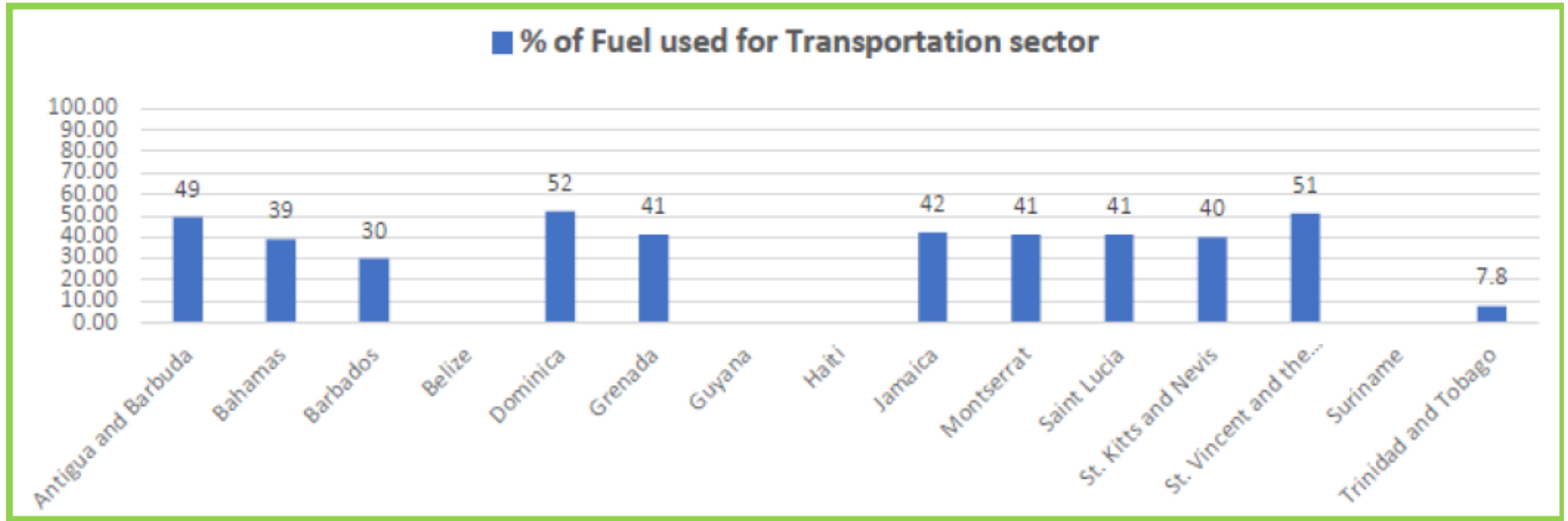
E-MOBILITY WEBINAR

INNOVATION
OPPORTUNITIES AND
THE CARIBBEAN REALITY

CONSIDERATIONS FOR A REGIONAL
VEHICLE STRATEGY



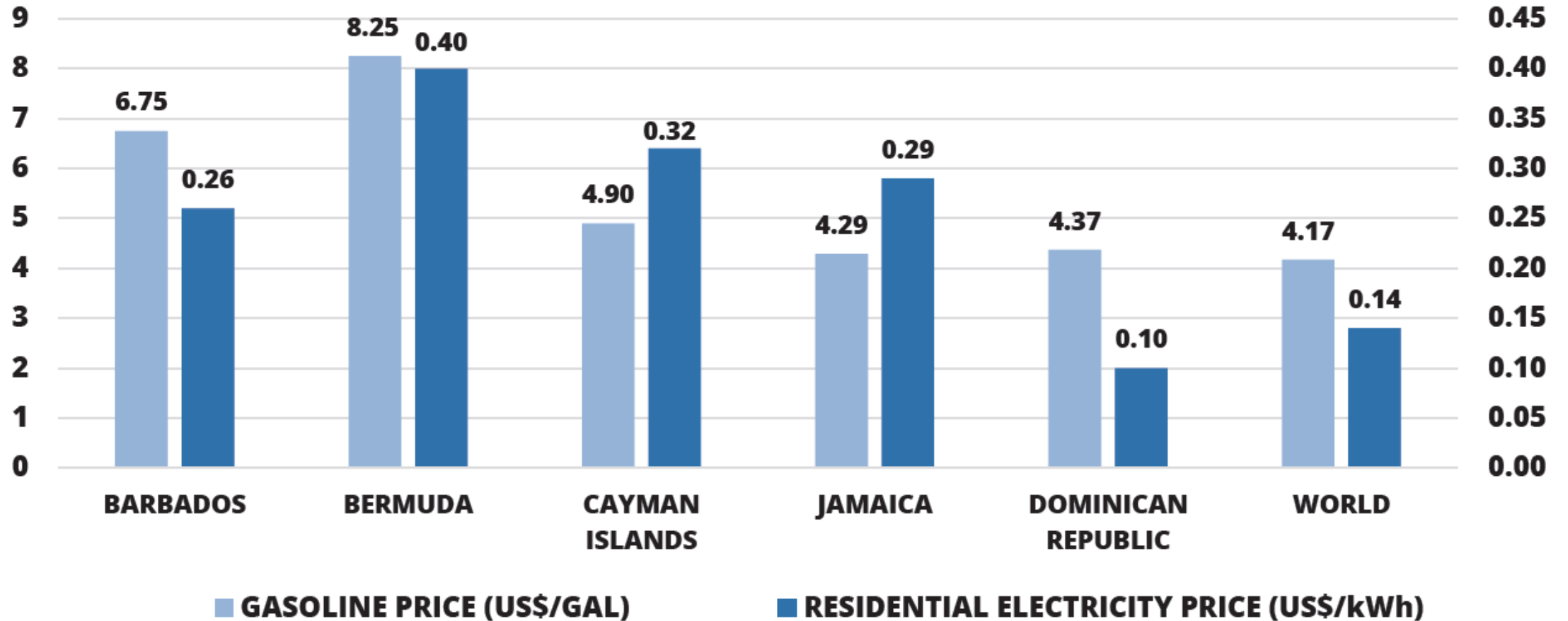
What is the status and outlook for electrification in road transport within CARICOM?



Country	GHG reduction commitments & targets	Transport sector specific targets	E-Mobility interventions
<i>Antigua & Barbuda</i>	Conditional and unconditional policies, measures and actions (Non-target)		<ul style="list-style-type: none"> Support for HEVs, flex-fuel for EVs as national targets. Efficiency standards for the importation of all vehicles.
<i>Bahamas</i>	30% by 2030		Interventions to discourage importation of inefficient motor vehicles by <i>inter alia</i> lowering import duties on EVs
<i>Barbados</i>	37% by 2025 44% by 2030 (Baseline:2008)	29% reduction in non-electric energy consumption (including transport) by 2029	GOB investments in alternative vehicles and fuels including HEVs & EVs and encouraging their adoption through tax incentives.
<i>Belize</i>		20% reduction in conventional transportation fuel use by 2033	Lower energy intensities across key economic sectors including transport.
<i>Dominica</i>	44.7% by 2030	16.9% reduction in GHG transport sector	Introduction of (i) policy to facilitate all scheduled government vehicle replacements by HEVs; (ii) market based mechanisms to motivate the private sector to buy HEVs & promote import of hybrids.
<i>Grenada</i>	30% by 2025 40% by 2030	20% reduction emissions in transport sector by 2025	Disincentives (taxes) for diesel and gasoline, incentives for fuel efficiency standards.
<i>Haiti</i>	Unconditional:5% by 2030 Conditional: 26% by 2030		Develop and implement transport NAMAs (Conditional)
<i>Jamaica</i>	10% below BAU by 2030 Baseline: 2005 (Conditional)		Expansion of energy efficiency initiatives in the transportation sectors, in line with sector action plans
<i>Saint Lucia</i>	16% by 2025 23% by 2030 Economy-wide Baseline 2010		<ul style="list-style-type: none"> Improved/expanded public transit Reduction of excise tax and duties on fuel efficient vehicles. Proposed development of transport policy and strategy
<i>St. Kitts & Nevis</i>	22% by 2025 35% by 2030	Reduce at least 5% of national fuel consumption	More efficient transportation
<i>St. Vincent & the Grenadines</i>	22% by 2025		<ul style="list-style-type: none"> New policies to reduce the import duty paid on low emission vehicles. International support for a transport sector NAMA will be sought
<i>Suriname</i>	Forests and RE are only sectors covered	N/A	N/A
<i>Trinidad & Tobago</i>	15% by 2030 across 3 sectors (power generation, transport, industrial)	30% by 2030 in public transport sector (unconditional)	

Country	Incentives For EVs	National Plans/ Strategies/Initiatives	Policy Related To EVs
Antigua & Barbuda	Waiver of duty and environmental levy for EVs and Hybrids	✘	Support of HEVs, flex-fuel or EVs. Government shall explore the feasibility of introducing EVs into its fleet.
Bahamas	Reduction of import duties to 25% compared to ICE vehicles (≥ 65%)	✘	Discourage the importation of inefficient motor vehicles through tax regime & lowering import duties on HEVs & EVs.
Barbados	17% reduction in import duties compared to ICE vehicles	✘	Customs and fiscal policies for providing incentives to private vehicle buyers to purchase fuel efficient vehicles including EVs. Development of alternative fuelling infrastructure-to include stations for EVs (provided that solutions are cost-benefit justified)
Belize	✘	✘	Instigate change-over to more energy efficient and environmentally friendly vehicles and modes of transport
Dominica	✘	Conduct cost benefit analyses to estimate economic impact of alternative vehicles (Including EVs) and supporting infrastructure	Studying the feasibility of integrating EVs into the transport sector. (Draft)
Grenada	Concessions on domestic duties relative to RE & EE technology	✘	Create appropriate tax regime to encourage importation of fuel efficient vehicles and development of supporting infrastructure. Consider introduction of mandatory annual quotas for dealers regarding HEVs, EVs and other efficient vehicles
Guyana	Reduction of excise tax on HEV & EVs.	Climate (TNA) includes Introduction of EVs & HEVs as recommended technology options	Foster the development of EV industry to substitute fossil fuels with electricity while enhancing

Source: The Potential of E-Mobility in CARICOM Member States, Charlin Bodley

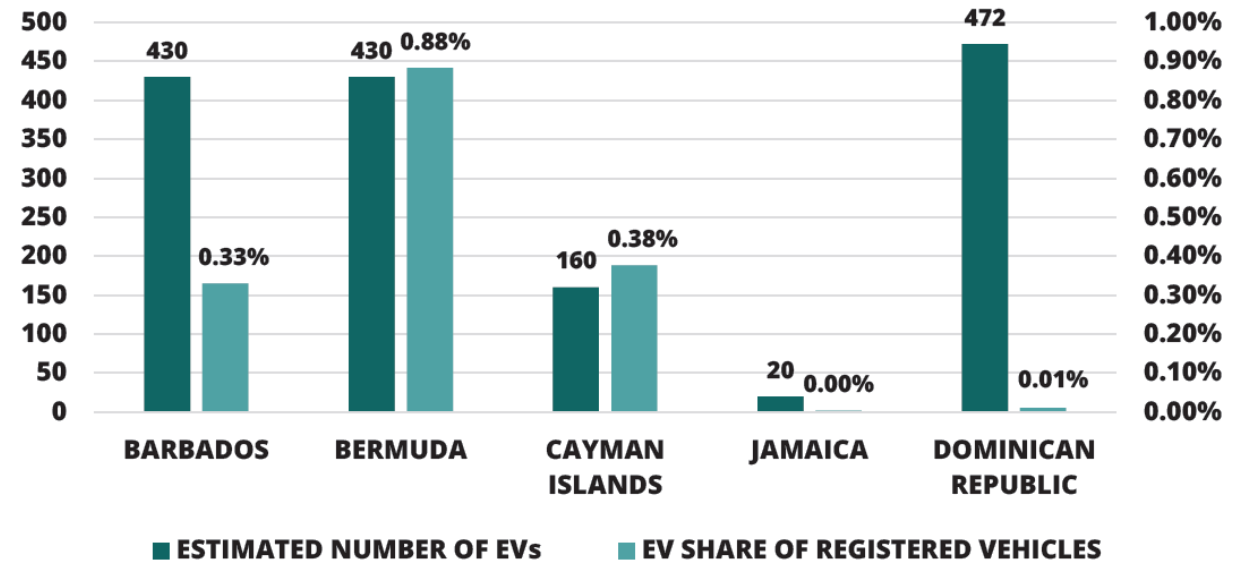


Source: Electrified Islands, OAS and IDB, Feb 2020

EV Deployment in the region

Table 1: Current status of EVs in CARICOM member states

Country	EVs in Operation	Year Introduced	No. of Charging Stations	Clean Transport Policy	Policy Related to EVs
Antigua & Barbuda	8	2016	3 residential	In development	✗
Bahamas	~ 12*	2016*	2*	-	-
Barbados	180	2013	43 public, 175 private, 40 business, 4 public rapid chargers	Drafted	✓
Belize	1	2017	0	Suggested	✗
Dominica	1	2016	0	Drafted	✓
Grenada	6	2012	2 public 2 residential	None	✓
Guyana	0	N/A	0	None	✗
Montserrat	0	N/A	0	None	✓
Saint Lucia	7	2013	0	Suggested	✓
St. Kitts & Nevis	0	N/A	0	In development	✗
St. Vincent & the Grenadines	2	2015	1	None	✗
Suriname	0	N/A	0	None	✗
Trinidad & Tobago	4	-	1	suggested	✗



Source: The Potential of E-Mobility in CARICOM Member States
Charlin Bodley

Source: Electrified Islands, OAS and IDB
Feb 2020

Is there a justifiable need for the REVS?

Ground Transportation Policy not as developed as Energy Policies in the Region.
(Nationally and Regionally)

Ground Transportation planning is a complex and involves Energy, Tourism, Urban planning and Social programs.

Reducing energy imports and reducing emissions.

Prepare the region through policy and planning for emerging transportation technologies and models.

Aim: To deliver intelligent, modern, affordable, clean, efficient and safe mobility solutions for CARICOM citizens and businesses through the electrification of surface transportation within the Community.



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Strategic Imperatives

Implementation Initiatives



Finance, Market Development and Business Innovation

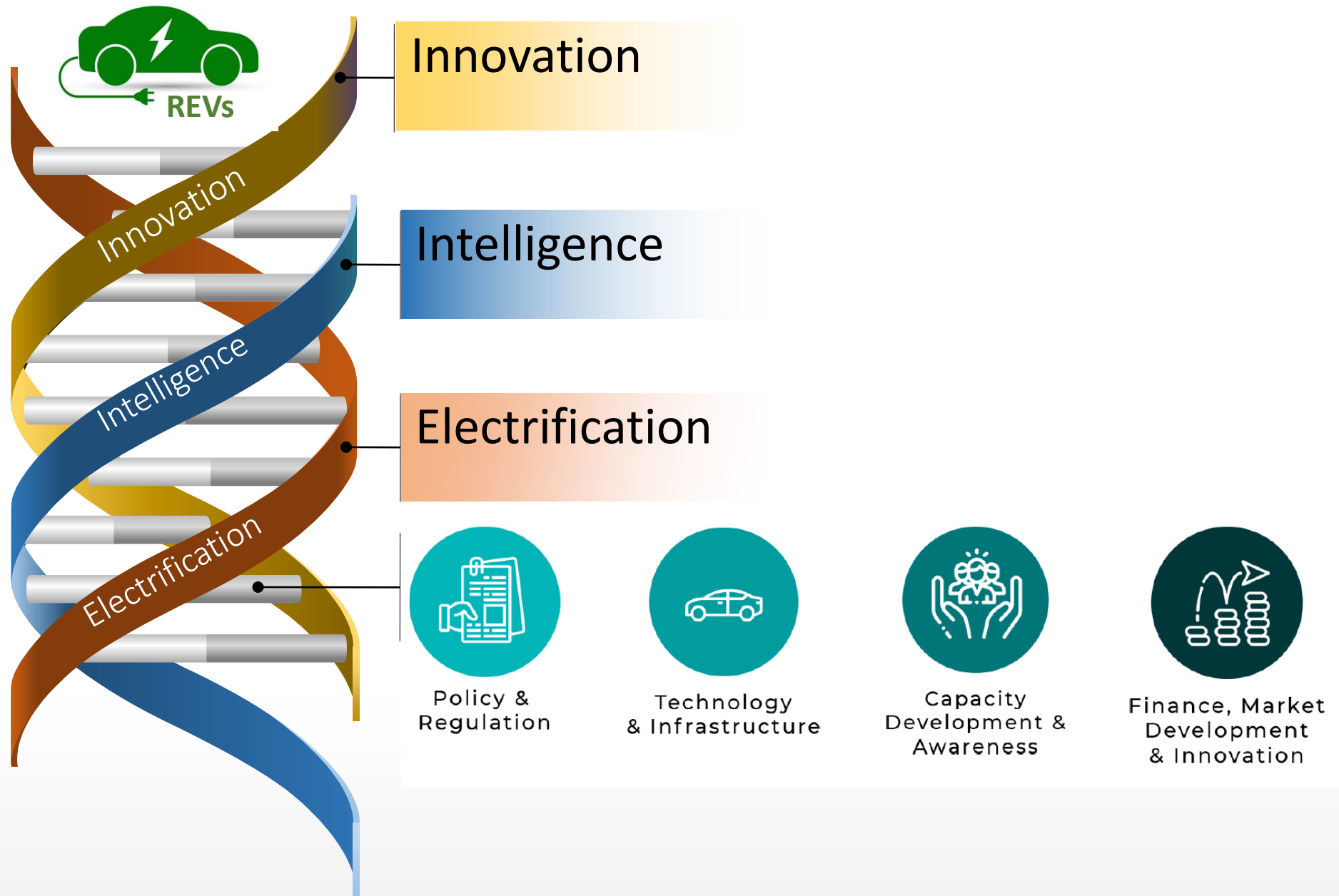
Capacity Development and Awareness

Technology and Infrastructure

Policy and Regulation

How could the COVID-19 pandemic affect the contents and rollout of the REVS?

- Challenging Economic Environment.
- Automotive sales affected – light passenger vehicles.
- Low Global liquid fuel prices.



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Thank you for Listening