

PNM Transportation Electrification Program

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Talk to us.















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ELECTRIC VEHICLES (EV)




TYPES AND DEFINITIONS

Type	Definition
ICE	Internal Combustion Engine
Hybrid	ICE that charges electric system
PHEV	Plug-In Hybrid Electric Vehicle
BEV	Battery Electric Vehicle

	CONVENTIONAL	HYBRID	PLUG-IN HYBRID	ALL -ELECTRIC
Sources of Energy				
Consumption				
Emissions				
Examples		Toyota Prius (C, V) Ford C-Max, Fusion Hybrid Hyundai Sonata Hybrid Volkswagen Jetta Hybrid Lexus RX 450h Infinity Q70 Hybrid	Ford C-Max, Fusion Energi Honda Accord PHV Chevy Volt Toyota Prius PHV Cadillac ELR Porsche Panamera S E-Hybrid	Nissan Leaf Tesla Model S BMW i3 Mitsubishi iMIEV Chevrolet Spark EV

CHARGING INFRASTRUCTURE

TYPES AND DEFINITIONS

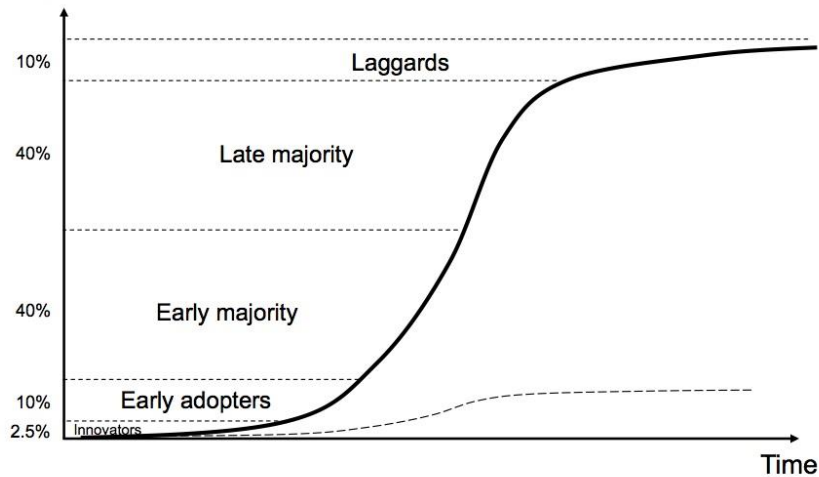
KNOW YOUR EV CHARGING STATIONS		
<p>AC Level One</p>  <p>VOLTAGE 120v 1-Phase AC</p> <p>AMPS 12–16 Amps</p> <p>CHARGING LOADS 1.4 to 1.9 kW</p> <p>CHARGE TIME FOR VEHICLE 3–5 Miles of Range Per Hour</p>	<p>AC Level Two</p>  <p>VOLTAGE 208V or 240V 1-Phase AC</p> <p>AMPS 12–80 Amps (Typ. 32 Amps)</p> <p>CHARGING LOADS 2.5 to 19.2 kW (Typ. 7 kW)</p> <p>CHARGE TIME FOR VEHICLE 10–20 Miles of Range Per Hour</p>	<p>DC Fast Charge</p>  <p>VOLTAGE 208V or 480V 3-Phase AC</p> <p>AMPS <125 Amps (Typ. 60 Amps)</p> <p>CHARGING LOADS <90 kW (Typ. 50 kW)</p> <p>CHARGE TIME FOR VEHICLE 80% Charge in 20–30 Minutes</p>

	N. America	Japan	All Markets <i>except EU</i>
AC	 J1772 (Type 1)	 J1772 (Type 1)	 Tesla
DC	 CCS1	 CHAdeMO	

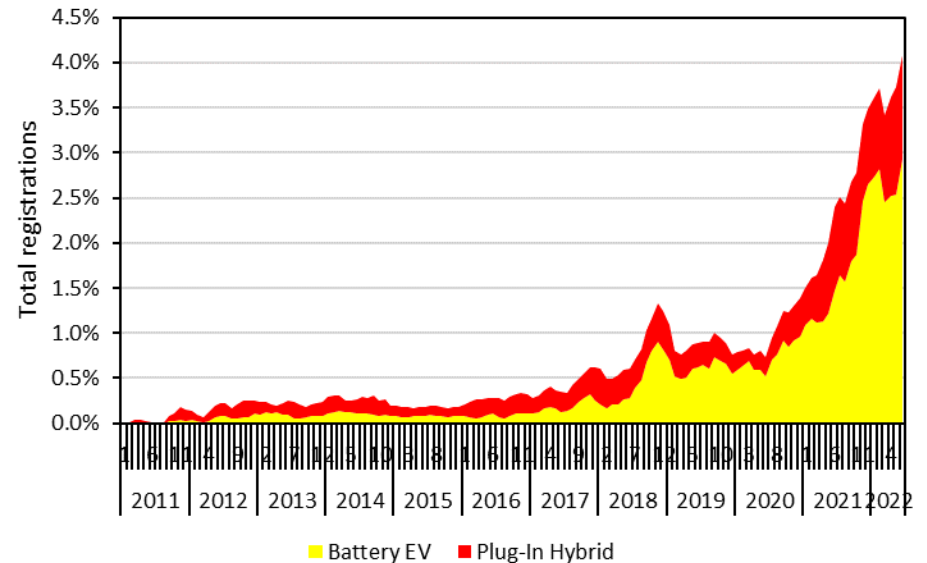
EV ADOPTION

MARKET SHARE FOLLOWS S-CURVE

Penetration of Target Market



Monthly market share - New Mexico



TRANSPORTATION ELECTRIFICATION PROGRAM (TEP)

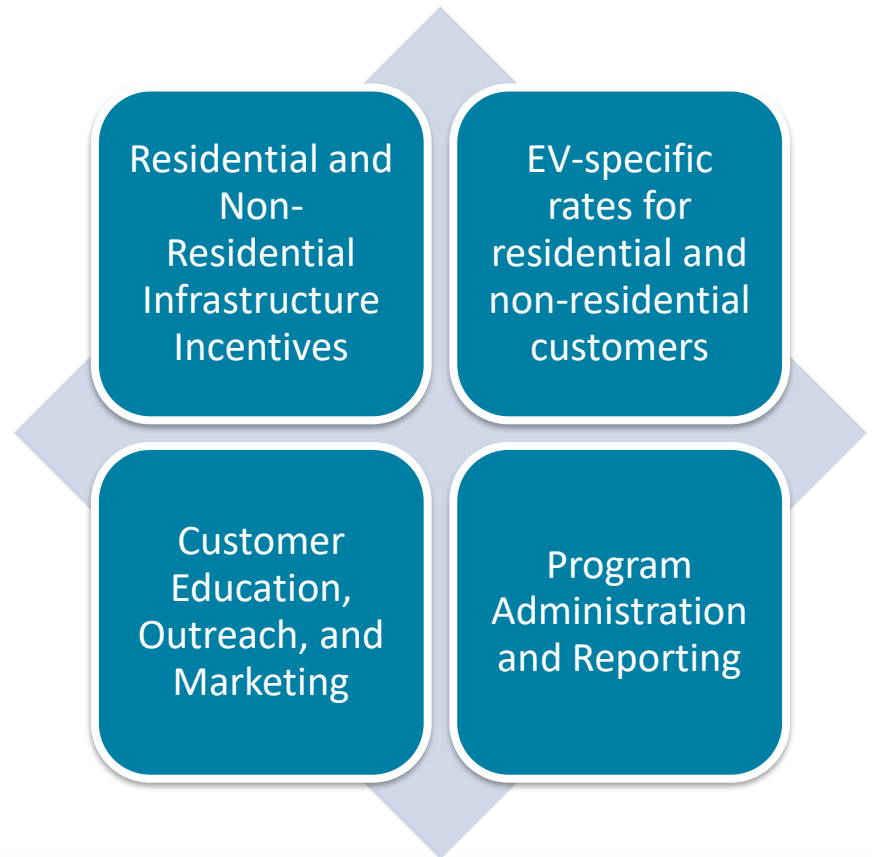
INAUGURAL PROGRAM THROUGH HB521

Designed to increase adoption of EVs

- HB521 enables ongoing TEP programs
- Designed to serve 7800 EVs by end of 2023

Budget:

- Target budget of approx. \$9M, total allowable budget of approx. \$11M
- Over 25% for low- to moderate-income customers



GET INVOLVED

ROAD WARRIORS



Learn More:

- www.pnm.com/ev
- Join the PNM EV Community
- Ask us questions at ev@pnm.com

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