

# EV-101: What to Know Before You Buy



*Ford Mustang Mach-E*



*Volkswagen ID.4*



*Nissan Leaf*

## No Range Anxiety for Daily Needs

- ✓ **250+ miles of range on many cars** (Avg. commute is 16 miles)
- ✓ Charge at home daily; no planning needed except for vacations
- ✓ 100,000+ public charging stations for traveling
- ✓ Apps: Plug Share, A Better Route Planner, ChargePoint, EVgo

## Charging Options

Charger	Good For	Charge Rate	Type of Outlet
Level 1	Short Commutes ( <b>&lt; 50 miles</b> )	<b>4-7 miles/hour</b>	<b>120V</b> (standard wall)
Level 2	Long commutes ( <b>50+ miles</b> )	<b>20-40 miles/hour</b>	<b>240V</b> (washer/dryer)
DC Fast	Road Trips	<b>70-150 miles/20 min.</b>	Charging station (not at home)

## Low Maintenance Costs

- ✓ **Lifetime savings of \$6,000 - \$10,000 over gas-powered vehicles**
- ✓ No oil changes/tune-ups (no engine) & fewer parts (less to maintain/fix)
- ✓ No emission inspections. Longer lasting brake pads (regen. braking)
- ✓ Electricity typically 50-70% less than gas for home charging

## Current EV Incentives

- ✓ up to \$7,500 fed tax credit & \$5,000 off dealer price in NJ (MRSP < \$55,000)
- ✓ No sales tax in NJ (at least \$2,000 savings)
- ✓ Future: home charger rebates (PSE&G)

# An EV For Every Budget



Polestar 2



Porsche Taycan



Tesla Model S



BMW i3s



Audi E-Tron



Chevy Bolt EUV

## Example EV Costs In Our Area

Car (Range in Miles)	Sticker Price	Incentives (Fed credit + NJ rebate)	NJ Sales Tax	Final Cost
Hyundai Ioniq (170 mi)	\$33,245	\$7,500 + \$4,250	\$0	\$21,495
Nissan Leaf Plus (226 mi)	\$38,270	\$7,500 + \$5,000	\$0	\$25,770
VW ID.4 (250 mi)	\$39,995	\$7,500 + \$5,000	\$0	\$27,495
Chevy Bolt (259 mi)	\$36,500	\$5,000	\$0	\$31,500
Tesla Model 3 (263 mi)	\$41,990	\$5,000	\$0	\$36,990

## These sites have up-to-date lists of over 63 EV models



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EV-101 info

