

2019 Clean Car Buying Guide



Deciding to Go Electric

Thanks to efforts to clean up our air and the development of newer and cleaner technology, consumers now have more options for purchasing hybrid and all-electric vehicles at lower prices. South Coast AQMD wants to make your transition from gasoline to electric even easier with our annual Clean Car Buying Guide.

Although walking, riding bikes, and taking public transportation are still the best way for individuals to reduce emissions and freeway traffic, many rely on motor vehicles to go to work. According to the U.S. Department of Transportation's Federal Highway Administration, the average American drives about 37 miles per day! Do your part by choosing the cleanest modes of transportation possible, while sticking to both your budget and lifestyle.

Rebates and Incentives

Rebates and incentives are available with purchases of Zero-Emission Vehicles (ZEVs), Transitional Zero-Emission Vehicles (TZEVs) and Advanced Technology-Partial Zero-Emission Vehicles (AT-PZEVs). South Coast AQMD's Clean Air Choices List includes the cleanest commercially available passenger vehicles: battery electric and fuel cell ZEVs, plus plug-in hybrids certified as AT-PZEVs or TZEVs. Residents can qualify for a rebate of up to \$5,000 or more from the state of California, depending on income. Additionally, qualified applicants are eligible to receive up to \$9,500 to replace an existing car with a cleaner vehicle or other clean modes of transportation. For more information, please visit:

- South Coast AQMD's Community – [Clean Air Choices: www.aqmd.gov/home/programs/community](http://www.aqmd.gov/home/programs/community)
- Clean Vehicle Rebate Project: www.cleanvehiclerebate.org/eng
- Replace Your Ride Program: www.replaceyourride.com

Other Clean Fuel Vehicle Options

Clean Air Vehicle (CAV) decal program: Authorizes a vehicle that meets specified emissions standards to be issued a CAV decal to allow single occupancy use of High Occupancy Vehicle (HOV or carpool) lanes.
www.dmv.ca.gov/portal/dmv/detail/vr/decal

Drive Clean Special Resources: Provides information on other alternative low-emission vehicle options, including compressed natural gas (CNG).
www.driveclean.ca.gov/Find_Special_Resources/Fleets.php

Drive Clean Incentives Search: Drivers may also be eligible to receive a federal income tax credit of up to \$7,500. This credit varies based on the battery energy used to power the vehicle and the number of vehicles sold by each manufacturer.
www.driveclean.ca.gov/Calculate_Savings/Incentives.php

Residential EV Charging Incentive Pilot Program: South Coast AQMD also offers up to \$500 as an incentive to buy-down the cost of residential chargers, which typically range from \$400 - \$800.
www.aqmd.gov/home/programs/community/community-detail?title=ev-charging-incentive

Local Utility Residential EV Charger Rebate: The Los Angeles Department of Water and Power offers up to \$500 as an incentive for residential chargers.
www.ladwp.com/ev

Make sure to check with your local utilities about rebates.

Advanced Technology

Zero-Emission Vehicles (ZEVs)

ZEV is an acronym for Zero Emission Vehicle. A ZEV has zero tailpipe emissions and emits 98 percent cleaner emissions than the current model year's average vehicle. Electric-only vehicles and fuel-cell vehicles qualify as ZEVs.

Make	Models	MPGe City/ Hwy*	Carbon Footprint	MSRP (\$)	Passengers	Range (miles)	Charging Time
Audi	E-Tron SS Quattro	74/73	0.00	\$74,800	5	204	10 hrs at 240V
BMW	i3S (120 AH)	124/102	0.00	\$47,650	4	153	5 hrs at 240V
	i3 BEV (120 AH)	124/102	0.00	\$44,500	4	153	5 hrs at 240V
Chevrolet	Bolt EV	128/110	0.00	\$36,620 - \$41,020	5	238	9.3 hrs at 240V
Fiat	500e	121/103	0.00	\$33,210	4	84	4 hrs at 240V
Honda	Clarity Electric	126/103	0.00	Lease only	5	89	4 hrs at 240V
	Clarity Fuel Cell	69/67	0.00	Lease only	5	360	n/a
Hyundai	Ionic Electric	150/122	0.00	\$30,315 - \$36,815	5	124	4 hrs at 240V
	Kona Electric	132/108	0.00	\$36,950 - \$44,900	5	258	9 hrs at 240V
	Nexo, Nexo Blue, Limited (Fuel Cell)	65/58, 59/54	0.00	\$58,300	5	354-380	n/a
Jaguar	I-PACE HSE, S, SE	80/72	0.00	\$69,500 - \$85,900	5	234	13 hrs at 240V
Kia	Soul Electric	124/93	0.00	\$33,950 - \$35,950	5	111	5 hrs at 240V
	Niro Electric	123/102	0.00	\$24,430- \$33,000	5	239	9.5 hrs at 240V
Nissan	Leaf S, SL, SV (40 kW-hr battery pack) Electric	124/99	0.00	\$29,990 - \$36,200	5	150	8 hrs at 240V
	Leaf S Plus, SL Plus, SV Plus	118/94	0.00	\$36,550 - \$42,550	5	226	11 hrs at 240V
Smart	ForTwo Electric Drive (Coupe)	124/94	0.00	\$25,390	2	58	3 hrs at 240V
	ForTwo Electric Drive (Convertible)	112/91	0.00	\$28,100- \$29,100	2	57	3 hrs at 240V
Tesla	Model S 100 D, Model S 75D, Model P100 D	92/105	0.00	\$75,000 - \$133,000	5	259-335	9.2 - 12 hrs at 240V
	Model X 100 D, Model 75D, Model XP 100D	83/95	0.00	\$81,000 - \$121,000	5-7	238-295	12 hrs at 240V
	Model 3 Long Range, Mid Range, Standard Range Plus	136/123	0.00	\$38,990	5	240	9.5 - 10 hrs at 240V
	Model 3 Long Range AWD, LR AWD Perform	120/112	0.00	\$47,990 - \$55,990	5	310	10 hrs at 240V
Toyota	Mirai (fuel cell)	67/67	0.00	\$58,500	4	312	n/a
Volkswagen	e-Golf	126/111	0.00	\$31,895 - \$38,895	5	125	5.3 hrs at 240V

Vehicles on the ZEV, AT-PZEVs & TZEVs (except non-plug-in hybrids) lists are eligible for Clean Air Vehicle Decals (allow single occupant HOV Lane Usage), and are also eligible to receive incentives through the Clean Vehicle Rebate Project (AB 118); and Replace Your Ride program within South Coast AQMD subject to income qualification. More information is available at <https://www.dmv.ca.gov/portal/dmv/detail/vr/decals>, www.cleanvehiclerebate.org, and <https://xappprod.aqmd.gov/RYR/Home>.

* Approximate MPGe based on 2019 model year data; Tailpipe Carbon Footprint information based on vehicle driven 15,000 miles per year. Upstream emission vary by location.

Source: www.fueleconomy.gov. For more information, see CARB's website at <http://www.arb.ca.gov/msprog/onroad/cert/cert.php> (Updated: 4/2/2019)

* As of September 2019 for Model Year 2019

Please note: The mention of manufacturers on these lists is not meant to be construed as actual or implied endorsement by the South Coast AQMD of the manufacturers or their vehicles.

Advanced Technology

Partial Zero-Emission Vehicles (AT-PZEVs) and (TZEVs)

AT-PZEV is an acronym for Advanced Technology Partial Zero-Emission Vehicle. These are vehicles that meet the super ultra-low emission vehicle (SULEV) and PZEV tailpipe emissions requirements, but also include components on the cutting edge of technology that help to improve the fuel mileage of PZEVs. Hybrid drivetrain components are a good example. PZEVs run on gasoline, yet offer extremely clean SULEV tailpipe emissions with zero evaporative emissions and 150,000 mile emission warranty.

The term AT-PZEV is being replaced by the term TZEV, and is an acronym for Transitional Zero Emission Vehicle.

Make	Models	MPGe City/ Hwy*	Carbon Footprint	MSRP (\$)	Passengers	Range (miles)	Charging Time
BMW	i3, i3S REX (120 Ah, Plug-In hybrid gasoline-electric)	35 (gasoline) / 111 electric	0.4	\$48,300 - \$51,000	4	126 electric/200 total	7 hrs at 240V
	530E, 530E XDRIVE (Plug-In hybrid gasoline-electric)	28 - 29 (gasoline) / 67 - 72 (electric)	3.2-3.3	\$53,400 - \$55,700	5	15 electric/360 total	2 hrs at 240V
Chevrolet	Volt Low Emissions Package ONLY (Plug-in hybrid gasoline-electric)	42 (gasoline) / 106 (electric)	0.8	\$33,520 - \$38,120	5	53 electric/420 total	4.5 hrs at 240V
Chrysler	Pacifica Hybrid (Plug-In hybrid gasoline- electric)	30 (gasoline) / 82 (electric)	2	\$40,245	7	32 electric/520 total	2 hrs at 240V
Ford	Fusion Energi (Plug-In hybrid gasoline-electric)	42 (gasoline) / 103 (electric)	1.6	\$36,595	5	26 electric 610 total	2.6 hrs at 240V
Honda	Clarity Plug-In Hybrid (Plug-In hybrid gasoline-electric)	42 (gasoline) / 110 (electric)	0.9	\$33,400	5	48 electric/340 total	2.2 hrs at 240V
Hyundai	Ioniq Plug-In Hybrid (Plug-In hybrid gasoline-electric)	52 (gasoline) / 119 (electric)	1.2	\$25,350 - \$29,350	5	29 electric/ 630 total	2.3 hrs at 240V
	Sonata Plug-In Hybrid (Plug-In hybrid gasoline-electric)	39 (gasoline) / 99 (electric)	1.7	\$33,400 - \$39,000	5	28 electric / 600 total	2.7 hrs at 240V
Kia	Optima Plug-In Hybrid 2.0L (Plug-In hybrid-gasoline electric)	40 (gasoline) / 103 (electric)	1.6	\$35,390	5	29 electric / 610 total	2.7 hrs at 240V
	Niro (Plug-In hybrid-gasoline electric)	46 (gasoline) / 105 (electric)	1.5	\$28,500 - \$35,200	5	26 electric / 560 total	2.25 hrs at 240V
Mitsubishi	Outlander PHEV (Plug-In hybrid-gasoline electric)	25 (gasoline) / 74 (electric)	2.9	\$35,795 - \$41,495	5	22 electric / 310 total	3.5 hrs at 240V
Mercedes Benz	GLC 350E 4MATIC (Plug-In hybrid gasoline-electric)	25 (gasoline) / 56 (electric)	3.9	\$50,650	5	10 electric / 350 total	1.9 hrs at 240V
Subaru	Crosstrek Hybrid (Plug-In hybrid gasoline-electric)	35 (gasoline) / 90 (electric)	2.5	\$34,995	5	17 electric / 480 total	2 hrs at 240V
Toyota	Prius Prime (Plug-In hybrid gasoline-electric)	54 (gasoline) / 133 (electric)	1.3	\$27,350 - \$33,350	5	25 electric / 640 total	2 hrs at 240V
Volvo	S60 T8 AWD (Plug-In hybrid gasoline-electric)	31 (gasoline) / 74 (gasoline)	2.7	\$36,795	5	22 electric/510 total	3 hrs at 240V
	S90 T8 AWD (Plug-In hybrid gasoline-electric)	29 (gasoline) / 71 (gasoline)	2.7	\$63,900 - \$69,000	5	21 electric/490 total	3 hrs at 240V
	XC60 T8 AWD (Plug-In hybrid gasoline-electric)	26 (gasoline) / 58 (gasoline)	3.5	\$52,900 - \$60,250	5	17 electric/500 total	3 hrs at 240V
	XC90 T8 AWD (Plug-In hybrid gasoline-electric)	25 (gasoline) / 58 (gasoline)	3.6	\$66,300 - \$104,900	7	17 electric/490 total	3 hrs at 240V

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