



APG Electric Co.

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CASE STUDY #2

The Garcias go electric

	Replacing	Buying	Est. cost, installed	Up-front discount	30% Tax credit ¹	Final cost
2023	Gasoline car	Used EV	\$17,000		-\$4,000 (25E) ²	\$13,000
	—	EV charger	\$1,200		-\$360 (30C)	\$840
	—	Electric wiring	\$2,500	-\$1,250 (HEEHRA)		\$1,250
	60A electric panel	200A electric panel	\$2,000	-\$1,000 (HEEHRA)	-\$300 (25C)	\$700
2024	Gas range	Induction range	\$1,300	-\$650 (HEEHRA)		\$650
	—	Weatherization	\$1,600	-\$800 (HEEHRA)		\$800
2026	Gas furnace	Central heat pump	\$12,000	-\$6,000 (HEEHRA)	-\$1,800 (25C)	\$4,200
	Central AC					
2027	Tankless gas water heater	Heat pump water heater	\$3,000	-\$1,500 (HEEHRA)	-\$450 (25C)	\$1,050
2027	Cap gas line!					-\$160/year
2028	—	Rooftop solar	\$19,000		-\$5,700 (25D)	\$13,300
TOTAL AFTER TEN YEARS			\$59,600	-\$11,200	-\$12,610	\$34,990

Upgrades considered but not currently planned:

—	Battery storage	\$16,000		-\$4,800 (25D)	\$11,200
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¹ The 30 percent tax credit hits a \$4,000 cap for the used EV purchase.

² Starting in 2024, the used EV tax credit can become an up-front discount. But the Garcias didn't want to wait till then, so they'll recoup the \$4,000 as an end-of-year tax credit.