

LIFE IN YEARS	ELECTRICAL UPGRADE	UP FRONT COST BEFORE REBATES	ANNUAL OPERATING SAVINGS	HARDER	% HOME EMISSIONS	IMPROVES AIR QUALITY	RENTER CONTROLS
<b>7. Purchase Renewable electricity</b>							
		\$0					R
<b>2. Electrical Service</b>							
20-25 YRS 		\$750-4,000		✓			
<b>3. Heat Pump Space Heating and Cooling</b>							
15-20 YRS 	AT INSTALL	\$1,000 DIY, TO \$20,000+	\$\$\$	✓	25%	 	R
<b>4. Heat Pump Water Heater</b>							
10-15 YRS 	MAYBE	\$1,500 DIY, \$4,000 INSTALLED	\$		10%	 	
<b>5. Electric Cooking</b>							
13-15 YRS 	YES	\$2,000-3,000			5%	 	R
<b>6. Electric Clothes Dryer</b>							
10-13 YRS 	MAYBE	\$1,000-2,000	\$\$		3%	 	R
<b>7. Electric Vehicles</b>							
20-25 YRS 		\$10K (USED) AND UP	\$\$\$		50%		R
<b>8. EV Charger (240V EVSE)</b>							
10-15 YRS 	YES	\$500-2,500					R
<b>9. Rooftop Solar PV Panels</b>							
20-30 YRS 	AT INSTALL	\$15,000-30,000	\$\$\$	✓	HELPS ALL		
<b>10. Home Battery Storage</b>							
5-15 YRS <sup>6</sup> 		\$10,000-20,000	\$	✓	HELPS ALL		

**KEY:**

\$ SAVE \$50+ PER YEAR  
 \$\$ SAVE \$200+ PER YEAR  
 \$\$\$ SAVE \$500+ PER YEAR

 INDOOR & OUTDOOR  
 OUTDOOR

## DO NOW

### 1. Purchase Renewable electricity

Log on to your utility account (or call) and switch to a renewable power plan if it's available. If not, look for a Community Solar or Wind project to join. **RENTER:** Same.

### 3. Heat Pump Space Heating and Cooling

Get a "home energy audit" or "home energy assessment" (including a blower door test), and/or schedule at least one heat pump contractor to come to your home and give you an initial quote/proposal. **RENTER:** Get a window unit or portable heat pump.

### 5. Electric Cooking

Hold a magnet to your pans, and if the magnet sticks it will work with an induction cooktop. Buy a \$50+ portable induction burner now, and plan to have a 240V / 40A outlet installed before you next replace your stove. **RENTER:** Buy a \$50+ portable induction burner.

### 7. Electric Vehicles

Consider how far you drive in a day to start thinking about range, and look online for public charging stations nearby to start thinking about where else you can charge. **RENTER:** Same.

### 9. Rooftop Solar PV Panels

Use a website to check your address's potential for sun. Use [energysage.com](https://energysage.com) to get initial quotes. **RENTER:** Send quotes to your landlord, along with financing options.

### 2. Electrical Service

Check your electrical panel to figure out how it's sized (see *Chapter 2: Electrical Service* for instructions). **RENTER:** Same.

### 4. Heat Pump Water Heater

Find your current water heater and determine how old it is (see *Chapter 4: Heat Pump Water Heater* for instructions). Plan to replace it if it's over 10 years old. **RENTER:** Show your landlord heat pump replacement options & EnergyGuide savings.

### 6. Electric Clothes Dryer

Check if you have a gas dryer, or if you already have a 240V appliance outlet behind your dryer. Get a clothes drying rack or clothesline. **RENTER:** Get a clothes drying rack or clothesline, and consider a combo washer & condensing dryer that runs on 120V (if allowed).

### 8. EV Charger (240V EVSE)

If you have a garage, check if you already have a 240V appliance outlet for a faster "Level 2" charger. **RENTER:** Ask your landlord and employer about installing a Level 2 charger.

### 10. Home Battery Storage

If you have rooftop solar, check with your installer about whether they also offer a storage option. **RENTER:** Get a standalone backup battery.