



BENEFITS OF ELECTRIC VEHICLES

A Fun, Safe Way to Reduce Your Environmental Impact

According to the **International Energy Agency**, there were **10 million** electric cars on the world's roads at the end of 2020.

ELECTRIC VEHICLE (EV) BENEFITS



EVs **cost less to operate** than traditional gas cars. They require no oil changes and less frequent brake replacements



Charge your vehicle **at home** or at one of the many **public charging stations**



EVs are **emission-free**



Energy utilities may **offer incentives** and **rebates** for EV charging for residential and non-residential customers



According to the U.S. Department of Energy, it would cost **\$9 to fully charge a 200-mile range EV** (\$0.13 kWh)

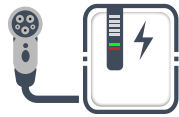


Energy utilities may offer **special charging rates** during **off-peak hours**

RESIDENTIAL CHARGING TYPES



LEVEL 1 120 volts
2 to 5 miles of range per **1 hour** of charging.
Requires dedicated circuit



LEVEL 2 240 volt (residential), 208 volt (commercial). **10 to 20 miles** of range per **1 hour** of charging. Requires additional hardware installation

NON-RESIDENTIAL CHARGING TYPES



DC FAST CHARGE 200–500 volts dc
20 minutes for an **80% charge**.
Requires commercial installation.
Found at rest stops, fueling stations, commercial parking lots and more



Contact your **HOA** or **community** for information on EV charging at **multifamily communities**

EV CHARGING SAFETY



All EV charging stations should be installed by a **qualified electrician**



Residential EV charging requires a **dedicated circuit**. Have an electrician inspect your electrical system before purchasing an EV



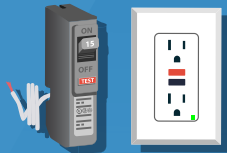
Follow **manufacturer's instructions** for charging your EV



Only purchase charging equipment that has been tested and listed by a **Nationally Recognized Testing Laboratory**



Never use an extension cord when charging an EV



Ensure your charger has **GFCI** or other **residual current device protection** when charging



Ensure the charging cable is **properly maintained** and **free of damage**. Keep away from children



Keep charging equipment **protected from water** and other elements

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