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 $59 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.
- Ensure the charging cable is properly maintained and free of damage. Keep away from children.
- Keep charging equipment protected from water and other elements.

Never use an extension cord when charging an EV.
Ensure your charger has GFCI or other residual current device protection when charging.

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