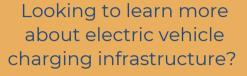


ELECTRIC VEHICLE CHARGING 101

THE BASICS



Battery Electric Vehicles (BEV): operates with an electric motor that is powered by a rechargeable battery.



Use this guide to learn the basics about EV charging.



Plug in Hybrid Electric Vehicle (PHEV): powered by two motors and fueled by gasoline and a rechargeable battery.



Electric Vehicle Supply Equipment (EVSE): the unit controlling the power supply to one or more vehicles during a charging session.



Connector: a piece of equipment that connects to a BEV or PHEV port. A standard connector required for Communities in Charge is the Society Automotive Engineers (SAE) J-1772.

TYPES OF EVSE

AC LEVEL 1 CHARGERS

USE ALTERNATING CURRENT (AC) AND

MAY BE PLUGGED INTO ANY

STANDARD GROUNDED 120V OUTLET.

1-3 MILES RANGE PER HOUR

AC LEVEL 2 CHARGERS
USE ALTERNATING CURRENT (AC) AND
REQUIRE A 208/240V CONNECTION.

10-20 MILES OF RANGE PER HOUR

DIRECT CURRENT FAST CHARGERS (DCFC)

ALLOW FOR HIGHER CHARGING SPEEDS AT HIGHER POWER LEVELS

80% CHARGE IN 30MIN-1HR



THE BENEFITS OF EVS AND **EV INFRASTRUCTURE**



FOR THE SITE HOST

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FOR THE COMMUNITY

ATTRACTS NEW PEOPLE TO YOUR **BUSINESS OR COMMUNITY**

PROVIDES NEW STREAM OF INCOME TO OFFSET **ELECTRICITY COSTS**

SHOWS COMMITMENT TO THE NEEDS OF YOUR **COMMUNITY**











COMMUNITIES IN CHARGE



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