### ELECTRIC VEHICLE

## SUSTAINABLE PRINCETON.

#### **Discussion Guide**

Get the basic facts to know before buying an electric vehicle.

#### What I should ask before I buy an EV

#### THINK AHEAD ABOUT:

Budget
Car Type
Buying vs. Leasing
Financing
Trade-In

#### **Electric Vehicle**

What is the range for this car on a single charge?

Can you upgrade the battery on this model?

What services and maintenance are required, and how often?

#### Charging

How long does the battery take to charge (Level 1, 2, and 3)?

What charging port does it have?

Do I need a special adapter to charge it at home?

#### **Price**

What is the out-the-door price?

What warranty deals are available?

What additional fees will I be charged?

What rebates or incentives are available?

What are the expected service costs?

#### **Other**

Do you have the car I want in stock and when can I get it?

How long is the warranty on the car battery?

What is the maximum load rating for towing (if

any)?

What kind of features can I add?

Is there anything else I need to know?

If it is a plug-in hybrid EV, ask: "Does it favor gas or electric?"

#### Compare EVs

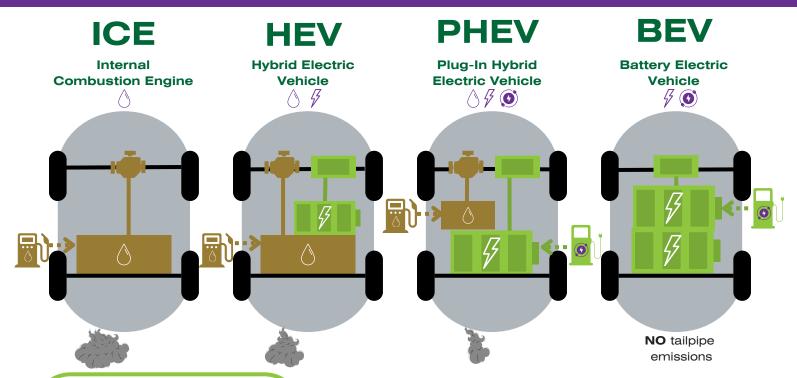
VEHICLE	PRICE	BATTERY RANGE	TIME TO CHARGE	NOTES

# ELECTRIC VEHICLE EUGENINA EV BASICS

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#### VEHICLE TYPES



#### **POWERED BY:**

- Fuel combustion
- Regenerative braking
- Plugging into electric power source

#### **REGENERATIVE BRAKING:**

In a conventional vehicle when the brakes are used all energy is lost. With regenerative braking, the electric motor is used as a generator and stores the captured energy in the battery.

#### **CHARGER LEVELS**





120 V AC common residential outlet

#### **LEVEL**



208-240 V AC higher-rate AC

#### **LEVEL**



400-1000 V DC direct current fast charging



For additional information visit: www.sustainableprinceton.org