ELECTRIC VEHICLES IN BOSTON

a guide for boston residents and future car owners

electric vehicles are our future

The future is progressing, and electric vehicles, or “EVs”, are showing to be essential <...>. With EVs, we can

Diminish **greenhouse emissions**, and **prevent the risk of global warming**

Reduce the contamination of the soil, water, and wildlife. Conventional cars can spill oil and fuel, and contribute to acid rain. This all can damage the acidity and cleanliness of soil, water, and **negatively affect the environment**

Reduce noise pollution When traditional cars are used, the use of fuel produces noise. When there are many cars, the effect is worsened - and the excessive noise often leads to animals becoming more disoriented and worse public health. However, **electric vehicles are almost silent.**

Worsen public health. When gasoline or diesel is burned, airborne particles of **poisonous chemicals** can come in contact with the skin or be inhaled in. This has the long term effects of athsma, bronchitis, skin irritation, and worsened overalll health. Burnt carbon monoxide is **especially dangerous to infants and people with heart disease**.

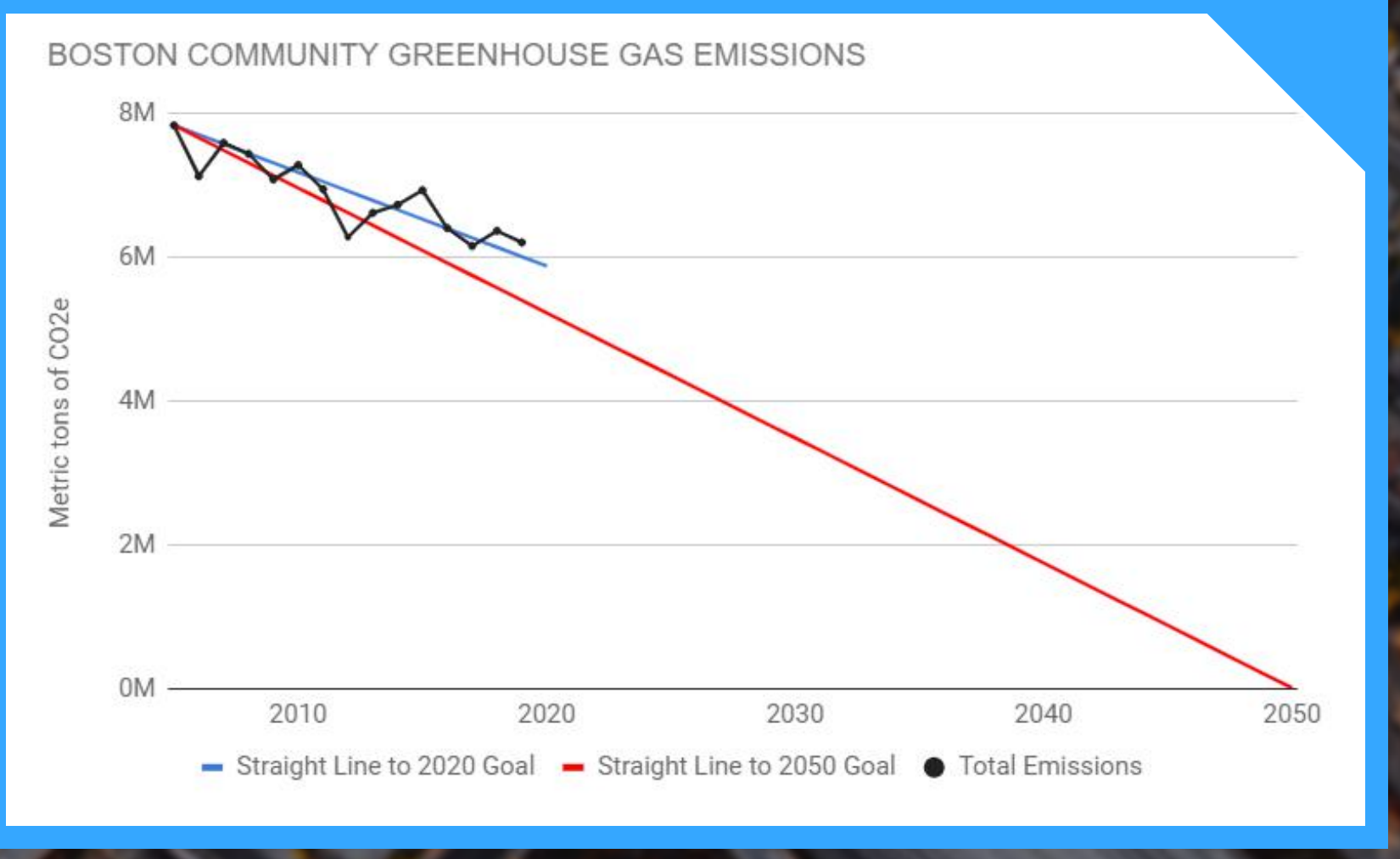
Electric vehicles are clearly an effective solution for many upcoming problems.

Because of this, Boston has declared that it will be carbon-neutral by 2050, aiming to produce equal amounts of carbon dioxide and oxygen.

why now?

According to Boston.gov, transportation made nearly 30% of all emissions. 76% of transportation emissions were made by gasoline cars, and 2% were made by electric vehicles.

Additionally, we haven’t made nearly enough progress on our goals for 2050



HOW FAR CAN AN EV GO?

Mileage varies based on vehicle, but on many models you can expect up to **200-300 miles** per charge

A typical battery can be estimated to last **12-15 years in typical usage, or 8-12 in extreme usage**.

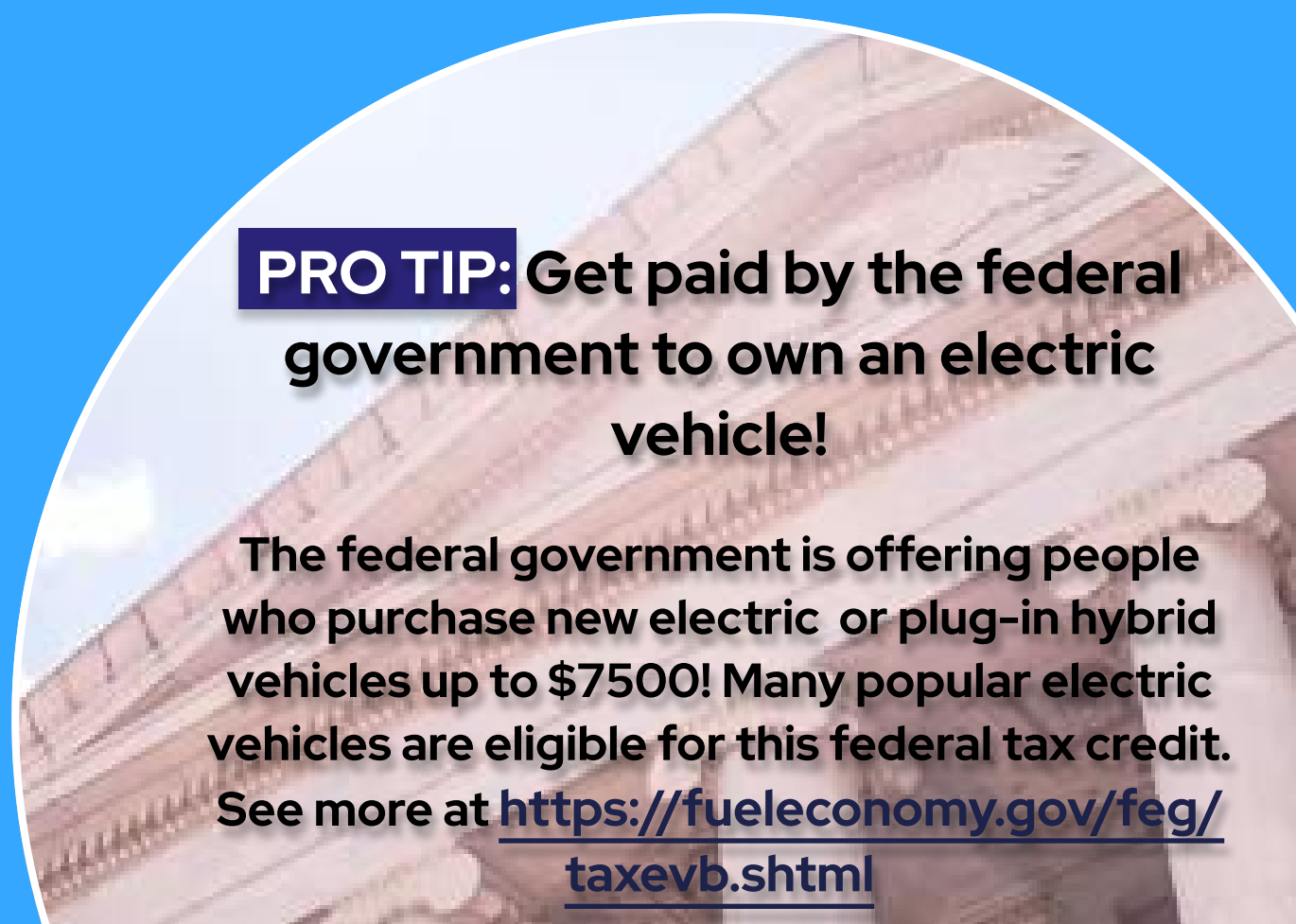
ARE ELECTRIC VEHICLES MORE AFFORDABLE THAN GAS?

With gas prices rising, Yes

The average price of gas in Massachusetts is $4.76 per gallon. **US gas prices have increased 52% from 2021 to 2022.**

Meanwhile, an equivalent “gallon” of measurement for electric vehicles is much cheaper. With calculations from the US Dept. Of Energy, based on kWh per mile, average miles per gallon in gas vehicles, and the price of electricity, the **average price of an electric vehicle in MA is $2.60 per “gallon”. This is $2.16 cheaper**.

Additionally, you don’t have to break the bank for a new vehicle! Many options range from **$27, 400 to $34, 000**



PRO TIP: Get paid by the federal government to own an electric vehicle!

The federal government is offering people who purchase new electric or plug-in hybrid vehicles up to $7500! Many popular electric vehicles are eligible for this federal tax credit. See more at https://fueleconomy.gov/feg/taxevb.shtml

THERE ARE OVER 2,410 CHARGING STATIONS IN THE BOSTON AREA.

351 ARE COMPLETELY FREE

WHAT NOW?

donate to a nonprofit

If you want to contribute, you can donate to organizations promoting electric vehicles

Some of these include

- NRDC
- Electric Auto Association
- World Electric Vehicle Association
- ...and many more!

contact the boston government

If you have questions about EV's and clean energy transportation in boston, you can contact boston lawmakers

1. See more from the environment department: https://www.boston.gov/departments/environment
2. See more from the transportation department: https://www.boston.gov/departments/transportation