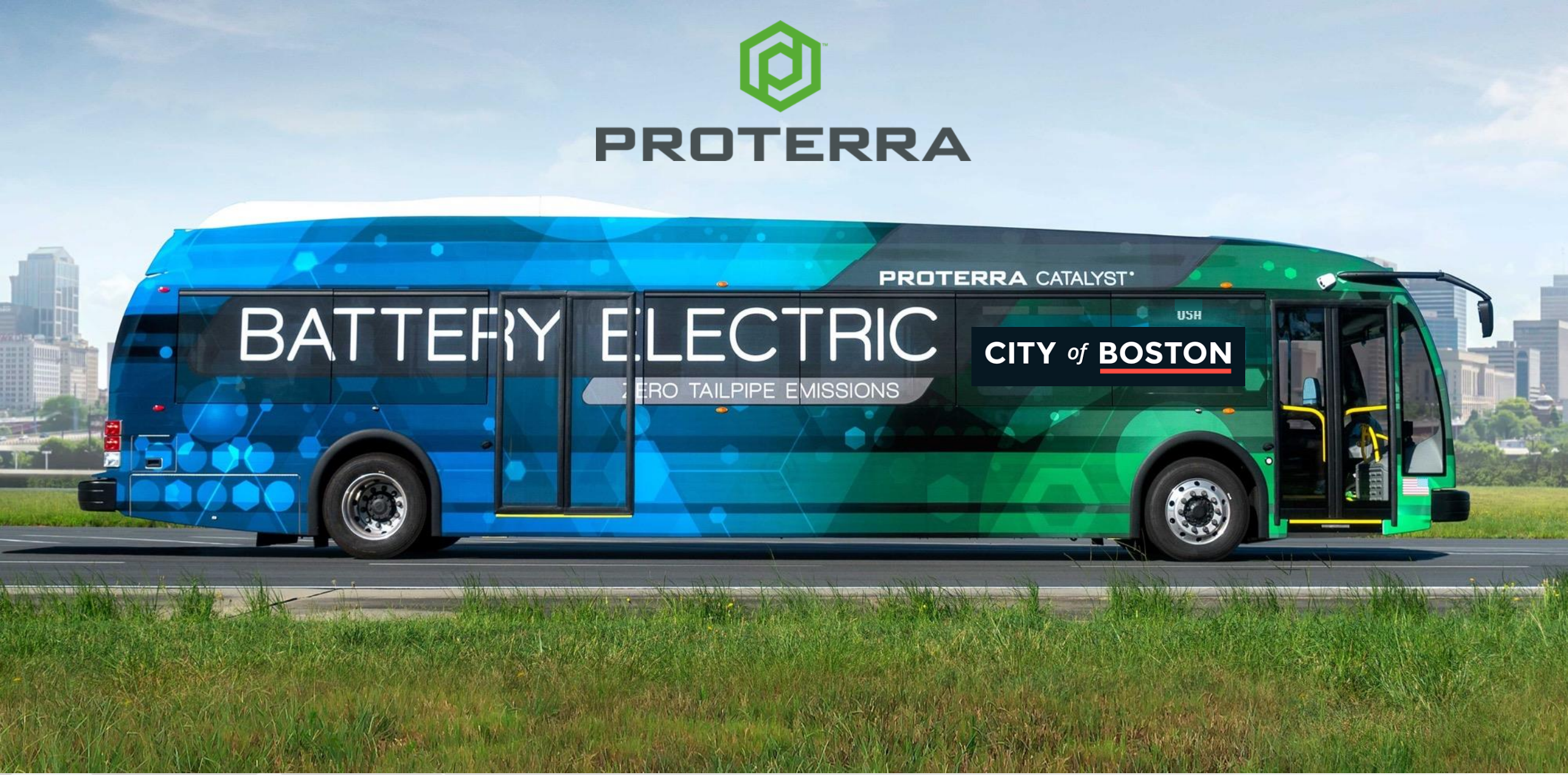
PROTERRA



REVOLUTIONIZING TRANSPORTATION

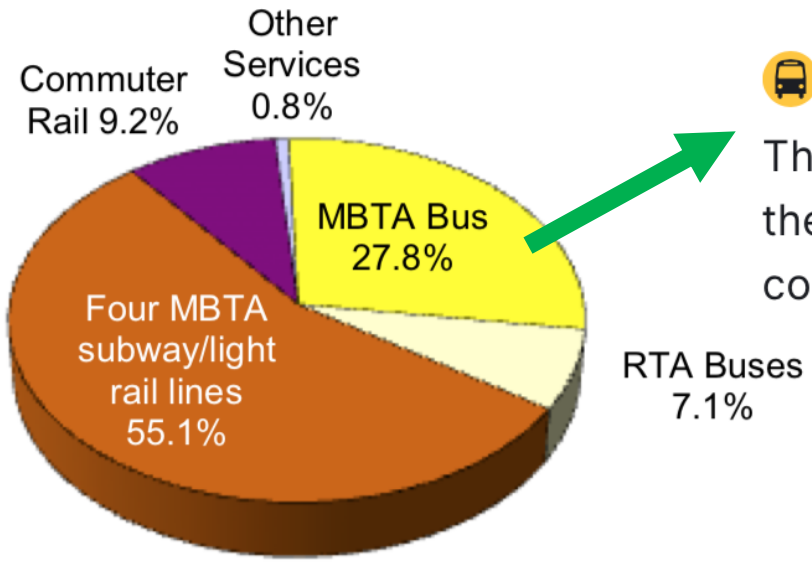
Current Boston Bus Fleets

PROTERRA

PUBLIC TRANSPORTATION

For *all* public transportation trips, the roughly 500,000 people using our transit systems take nearly 1.4 million trips each weekday in Massachusetts – with most all on the MBTA system. The following graph illustrates the proportions of each of the major transit service categories:

Massachusetts Public Transportation Trips



Bus Routes **1,044 buses!**

The MBTA operates 177 bus routes and 4 rapid transit routes in the Greater Boston area, with connections to the subway and commuter rail.

Plus another 300 – 500 buses Universities, Commercial and LOGAN AIRPORT

Source: Ridership data from MBTA for 2014, from RTAs for 2013 (National Transit Database).

THE RESULTS ARE IN!

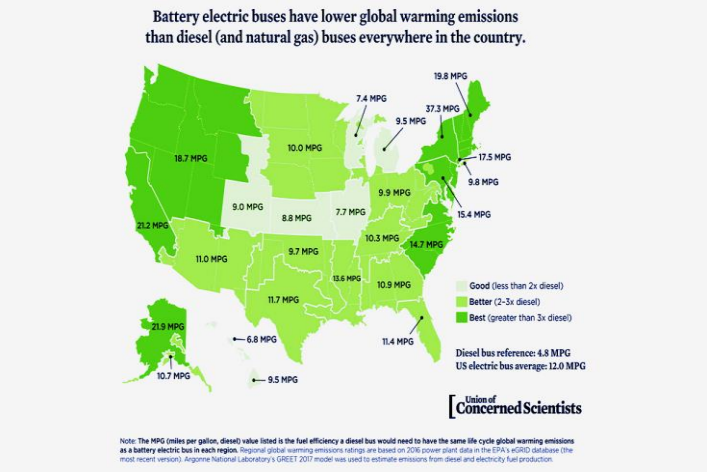
PROTERRA

ANNUAL TAILPIPE EMISSIONS

	PROTERRA CATALYST®	CNG	HYBRID	DIESEL
GHG Greenhouse Gases (lbs)	0	219,083	163,286	229,286
CO_2 Carbon Dioxide (lbs)	0	196,167	163,167	229,167
CH_4 (in CO_2e) Methane (lbs)	0	22,917	119	119
CO Carbon Monoxide (lbs)	0	2,108	24	48
NO_x Nitrogen Oxide (lbs)	0	54	107	107
PM Particulate Matter (lbs)*	0	4	4	4

*PM includes PM2.5 and PM10.
Source: GREET Model Fleet Footprint Calculator and EPA Motor Vehicle Emission Simulator

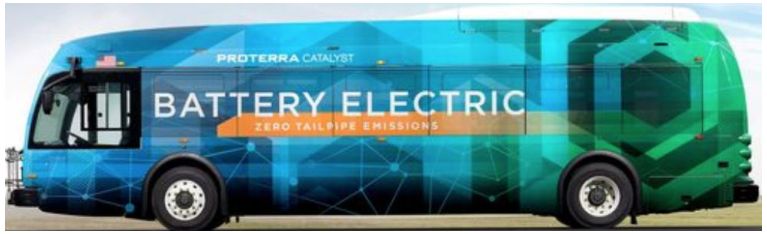
In every state, electric transit buses have lower greenhouse gas emissions than do diesel- or natural gas–powered buses.



Electrifying 34.6 CARS

OR

ELECTRIFYING 1 BUS



HOW EFFICIENT ARE YOUR EFFORTS?

PROTERRA

For Mobility & Transportation to enable Boston's decarbonization goals:

“We must educate decision makers that zero emission bus solutions have a huge impact …And exist today”!