

## **Electric Vehicles: What might they mean for the Back Bay?**

The neighborhoods' and communities' leaders and residents of Boston or any city need to be well informed of the changes and ramifications coming to them because of the eventual increasing use of electric vehicles (EVs) and the installation of public charging stations (Electric Vehicle Support Equipment – EVSE) for them. With change come benefits and new challenges. Some will benefit by saving money by not buying gasoline. Some will like the lack of noise when it is running. Some will like the quick acceleration from a standing stop. Some will like that they do not run or use energy or idle at stops, standing, or in congested traffic. Some will like that no pollution or smells are put in the air when it runs. Or that their presence can improve property values. Not to mention the larger benefits to America's energy independence, economic stability, reduced military expenses, the preservation of military lives, and global environmental improvement.

The challenges come with doing personal transportation differently than before EVs and EVSE. The most noticeable will be in residence streets where the parking is unmetered. New EVSE fixtures at curb side will start as a few and grow in number over time. These EVSE chargers will need to be held to higher standards than those installed in less public, commercial or private areas. Safety, maintenance, control, access, enforcement, architecture, location, oversight and governance must be more robust than when EVSE chargers are installed in a suburban house garage, company/ employer/ public garage or business fleet vehicle stable.

To get more detail and a longer explanation, look for notices of EV and EVSE presentations on the NABB Weekly on-line bulletin or go to [EVUIS.org](http://EVUIS.org) and or call Jack Gregg at 617-838-3380.

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