

## Quick Facts about Sustainable Transportation

- Electric cars will replace hybrids as the eco-friendly transportation alternative.
- Driverless cars will soon start to share the roadways with traditional vehicles, and we may see a rapid expansion of autonomous transportation.
- Electric bicycles will make bike commuting more attractive. Even though bicycling is up more than 60 percent since 2006, it still represents just 1 percent of all commuters. Electric-assist technology will continue to make bicycle commuting easier and more convenient.
- Better Bike Lanes: 10 to 15 percent of all commuters say already they would actually prefer to bike instead of drive as long as a safe biking route is available. Special bike lanes, barriers, and bike-friendly traffic lights are helping to improve safety. As more people bike they tend to cluster along the best routes, and drivers are conditioned to look out for cyclists.
- Bike Sharing: Currently 49 American cities are building or planning new bike-share systems.
- Bus lines will be optimized to provide an improved transit experience that meets growing ridership demands. Mini-buses will let riders specify their own desired pick up points and destinations via smartphone; these requests are aggregated, and the app calculates an optimal route that most closely satisfies all of them. Costs are greater than those of a typical city bus but less than an expensive taxi service.
- Driverless bus technology will likely be introduced first in large urban areas by private firms operating multi-vehicle fleets.
- Personal Rapid Transit: Already, consideration has been given to the viability of pod cars (also referred to as Personal Rapid Transit) which would offer nonstop, fixed guideway travel from point to point for individuals or small groups. PRT offers automated, on-demand, non-stop transport. All vehicles that are powered from the track have the advantage of potentially being able to use any source of electric energy, including sustainable ones, rather than requiring liquid fuels. They can also switch regenerative braking energy between vehicles and the electric grid rather than requiring energy storage on the vehicles.

Visit the websites listed below.

Future of Transportation:

- [http://futureforall.org/transportation/future\\_of\\_transportation.htm](http://futureforall.org/transportation/future_of_transportation.htm)
- <http://www.govtech.com/transportation/How-Transportation-Technologies-Will-Change-Everything-.html>
- <http://www.pbs.org/wgbh/nova/tech/future-transportation.html>

Information about specific communities:

- <http://www.city-data.com>
- <https://vimeo.com/streetfilms>

Information about car ownership:

- <https://www.epa.gov/enviroatlas>
- <http://www.uitp.org/MCD>
- <https://www.bts.gov/>
- <http://www.governing.com/gov-data/car-ownership-numbers-of-vehicles-by-city-map.html>

Bike Sharing:

- [www.bike-sharing.org](http://www.bike-sharing.org)
- [www.bikesharingmap.com](http://www.bikesharingmap.com)
- <http://www.bike-sharing.org/>