We Pledge to Reduce Our Carbon Footprint

We pledge to do one of the following to reduce our carbon footprint:

- *Research implementing charging infrastructure,*
- *Provide electric vehicle outreach information for employees,*
- *Employ green energy sources within the workplace.*

Name _____ Date _____

Email _____

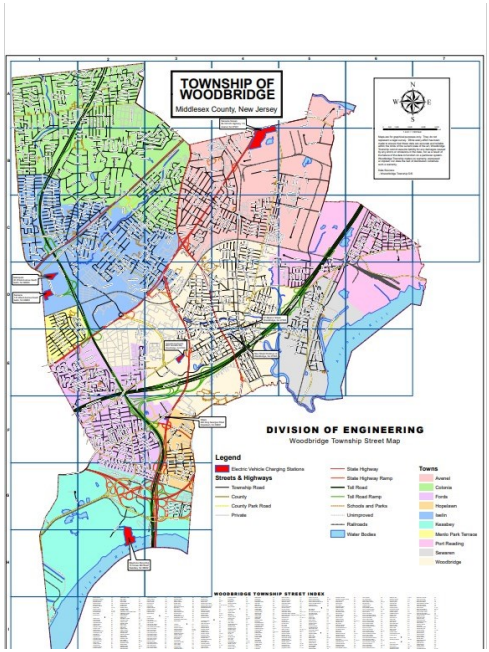
I know that my actions and choices have an incredible impact on our local and global environment. That is why we pledge to research implementing charging infrastructure, provide electric vehicle outreach information for employees, and employ green energy sources within the workplace. Local campaigns like "We Pledge to Reduce Our Carbon Footprint" strengthen electric vehicle initiatives that address air pollution and support zero-emission transportation.

Sincerely,

_____

Mayor, John E. McCormac

Charging Locations



- New Street Parking Lot, Woodbridge, NJ 07095*
- 87 Eleanor Street, Woodbridge, NJ 07095*
- Sansone Nissan (90-100 US Highway 1N, Avenel, NJ 07001)
- Metropark (33 Wood Avenue South, Iselin, NJ 08830)
- Siemens (70 Wood Avenue South, Iselin, NJ 08830)
- Vermella Apartments (6000 Vermella Way, Woodbridge, NJ 07095)
- Wawa (440 King Georges Road, Hopelawn, NJ 08861) (DC fast charging)
- Bayshore Recycling (75 Crows Mill Road, Keasbey, NJ 08832)
- Woodbridge Center Mall (250 Woodbridge Center Dr, Woodbridge, NJ 07095

Township Owned & Operated

SUSTAINABLE JERSEY® WOODBRIDGE
• SILVER CERTIFIED •
A Better Tomorrow, One Community at a Time

Township of Woodbridge

1 Main Street
Woodbridge, NJ 07095
Phone: 732-634-4500
Mayor John E. McCormac

Woodbridge Township Green Team

Electric Vehicle Information

TOWNSHIP OF WOODBRIDGE, N.J. CHARTERED 1669

Greenable Woodbridge

Tel: 732-634-4500

Why are Electric Vehicles Important?

- Woodbridge Township and the entire state of New Jersey are promoting the adoption of energy-efficient vehicles. There are several financial incentives toward purchasing or leasing an electric car, they are safe, more efficient, there are a variety of models available, and charging stations are abundant. In addition, transitioning to energy-efficient transportation is beneficial for the environment and can help mitigate climate change.

Electric Vehicle Types:

- There are four types of electric vehicles, making it very easy to find the right fit for you.
    - Battery Electric Vehicle (BEV)- These are all electric vehicles and are recharged from an external power source.
    - Hybrid Electric Vehicles (HEV)- These vehicles combine an internal combustion engine with electric motors running of a battery pack.
      The batteries are not rechargeable from an external source.
    - Plug-in Hybrid Electric Vehicle (PHEV)- The batteries in this vehicle can be recharged from an external power source and have an electric motor. A small internal combustion engine is also incorporated for longer driving ranges.
    - Fuel Cell Electric Vehicle (FCEV)- These vehicles convert hydrogen into electricity using an electrochemical process to power the motor. Fuel comes from a hydrogen gas filled tank stored within the vehicle.

Electric Vehicle Safety

- Electric vehicles are extremely safe, meeting the same standards as conventional vehicles. All cars and trucks sold in the United States must meet the Federal Motor Vehicle Safety Standards, undergoing a long testing process to do so.
- EV batteries must go through a separate safety process before being sold. In addition, the electrical system in the vehicle has a variety of safety features that can shut down the system when faults are detected.
- Electric vehicles are less likely to roll over and are more stable due to their lower center of gravity.
- The Insurance Institute for Highway Safety (IIHS) examined a variety of electric and gas powered vehicles and their studies determined that injury claims pertaining to drivers and passengers of electric vehicles were 40% lower compared to their gas-powered counterparts.

New St Parking Lot - Downtown Woodbridge, NJ

Environmental Benefits:

- Zero emission electric vehicles do not produce tailpipe emissions. Plug in hybrid vehicles produce some direct emission through the tailpipe, however, it is marginally less than gas-powered vehicles. These emissions come from vehicles with internal combustion engines, creating smog. The air pollutants in smog contribute to various community health problems.
- Electric vehicles improve air quality because they have a smaller carbon footprint, even including the electricity used for charging. They produce lower amounts of greenhouse gases than cars with internal combustion engines.
- Electric vehicles also help contribute to energy security in the United States. Multiple fuel sources are capable of producing this electricity such as: natural gas, coal, nuclear energy, wind energy, hydropower, and solar energy. The use of energy efficient vehicles helps diversify U.S. transportation, contributing to energy security.

Financial Benefits:

- Charge Up New Jersey provides incentives to purchasing EV's (new or used). Whether you purchase or lease, you can earn a maximum grant of $5,000. Grants are not exclusive to the vehicle itself; they can also provided for installation of charging stations.
- Although the upfront price is more expensive, long term costs tend to be cheaper for electric vehicles. Since these vehicles do not have oil to change or engines to service, electric vehicles are estimated to be 40% cheaper than gas-powered cars. In addition, you save greatly on fuel costs.
- Zero emission electric vehicles also come with many incentives such as:
    - An exemption from sales tax
    - Discounts on EZ pass
    - Driving solo in the HOV lane