



POLICY GUIDE

Promoting clean energy technology

Transportation sources emit greenhouse gases that contribute to climate change and impact public health. In 2010, the transportation sector contributed approximately 27 percent of total U.S. greenhouse gas emissions. The adoption of emissions control strategies, clean-engine technologies and better fuel efficiency standards has resulted in reduced vehicle emissions.^{1,2}

Opportunities That Promote Clean Energy Technology:

- » Incentivize use of technologies that reduce vehicle emissions.
- » Incentivize purchase of vehicles made with clean energy technology.
- » Incentivize production of smaller vehicles.
- » Encourage electric vehicle propulsion.
- » Encourage enhanced engine design and control technologies.
- » Encourage use of reformulated fuels & diesel alternatives.
- » Incentivize use of clean construction equipment.
- » Promote incentives for manufacturers who reduce weight disparities.

Examples of State Incentives:²

- Reduced registration fee for fuel-efficient vehicles.
- Alternative fuel and fuel-efficient vehicle title tax exemption.
- Alternative fuel vehicle.
- Exemption from driving restrictions.
- Biofuels infrastructure grants.
- Biodiesel blender tax credit.
- Biodiesel sales equipment tax credit.
- Biodiesel production and blending equipment tax credit.
- Biofuel loan program.
- Agriculturally-derived fuel production facility loan guarantees.
- Agriculturally-based fuel production wage and salary tax credit.



“Yearly costs incurred to treat related disease and the costs incurred by the premature deaths associated with exposure to emissions range from \$50 to \$80 billion adjusted to 2009 dollars. In addition to financial costs, there are losses in productivity.”³

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State Example

"Clean Pass" stickers for High-Occupancy Vehicle (HOV) lanes on the Long Island Expressway⁴

As part of the Strategic Energy Action Plan, the "Clean Pass" program expands the use of energy-efficient vehicles, providing Long Island commuters with incentives to save money, gas and time, while reducing stress during the daily commute on the Long Island Expressway (LIE). With the Clean Pass vehicle stickers on qualified vehicles, they can be driven in a HOV lane of the LIE at any time with the driver as the only vehicle occupant. Law enforcement agencies have been informed about the stickers and the qualified vehicles.

Motorists whose estimated U.S. Environmental Protection Agency fuel economy rating averages at least 45 miles per gallon will be allowed to participate by applying to the State Department of Motor Vehicles. "Clean Pass" is a multi-agency pilot program partnering three New York State agencies: the Department of Transportation, the Department of Motor Vehicles and the Department of Environmental Conservation.

1. U.S. Environmental Protection Agency. "Health Impacts Associated with Climate Change." Available at www.epa.gov/statelocalclimate/local/topics/health.html.

2. U.S. Department of Energy. "Alternative Fuels Data Center." Available at www.afdc.energy.gov/laws/state.

3. Partnership for Prevention. "Transportation and Health: Policy Interventions for Safer, Healthier People and Communities." Available at www.prevent.org/data/files/transportation/transportationandhealthpolicycomplete.pdf.

4. New York State Department of Transportation. "New York's Clean Pass Program." Available at www.dot.ny.gov/programs/clean-pass.

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