

Generating Clean Transportation

Sustainability On The Move

The New York Power Authority is moving forward on its mission to make New York State a national leader in promoting electric-drive vehicles (EDVs).

NYPA's varied programs share the common goals of improving air quality and



lessening our dependence on foreign oil. In partnership with our customers and other stakeholders, Power Authority-sponsored electric-drive vehicles have traveled over 11 million miles, eliminating the use of tens of thousands of barrels of crude oil. We invite you to join our efforts so that together we can achieve a cleaner, greener New York.

A Look at Some of Our Projects:

- **Ground Support at Area Airports**

A project to electrify ground support vehicles at the Westchester County Airport is a great example of the benefits of electric-drive technology. The permanent retirement of 25 gasoline- and diesel-powered vehicles servicing the airport's commercial planes, in favor of fast-charging electric vehicles, is estimated to



avoid using over 120,000 gallons of fuel a year and eliminate 332 tons of harmful pollutants a year. We have also worked on similar projects at LaGuardia, Albany International and John F. Kennedy International Airports.

- **Plug-In Hybrid-Electric Vehicles**

We've been testing the next generation of clean-fueled vehicle—a plug-in hybrid-electric Ford Escape—which gets some of its juice directly from a standard wall



outlet and can travel using electricity for about 20 miles. Looking ahead, we plan to demonstrate this technology on other types of passenger vehicles as well as buses and utility trucks.

- **Hybrid-Electric Shuttle Buses**

We placed 11 hybrid-electric shuttle buses into service in New York City and

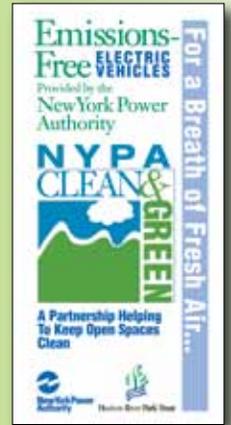


Westchester County. Equipped with such advanced features as electric launch and engine auto-stop (idle reduction), these buses are transporting riders in the South Bronx, Staten Island, Sunset Park, Tarry-

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Powerful Partnerships

We're accomplishing these programs in partnership with our customers and the communities in which we operate. Because of the diversity in electric-drive vehicle size and function, NYPA's Clean Transportation initiatives are designed to demonstrate the best uses for each type of EDV, based on the needs of our customers and stakeholders. The Power Authority is committed to helping New Yorkers achieve a cleaner, greener, more prosperous future.



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town and Hastings-on-Hudson. They use approximately 30 percent less fuel than an equivalent-sized gasoline-powered bus and reduce greenhouse gas emissions by about 30 percent as well.



• Electrifying Port Projects

We are hard at work on several projects at area ports to identify opportunities to reduce fuel consumption and emissions. Our efforts currently are centered at the New York Container Terminal Howland Hook facility on Staten Island, where we are testing hybrid and plug-in hybrid terminal tractors for cargo handling. We expect these technologies will achieve significant fuel savings and emission reductions.

• Green Zones

Our Green Zones projects are demonstrating how electric vehicles can replace traditional fossil-fueled models in limited

access areas, including college campuses and public parks across New York State. We have implemented Green Zones projects with over 25 customers involving electric trams, vans, low-speed passenger cars and utility vehicles.



The New York Power Authority would like to acknowledge its partners in taking New York State *On the Road to Clean Transportation*:

- American Airlines
- Battery Park City Authority
- Bronx Overall Economic Development Corporation
- City of White Plains
- City University of New York
- Delta Air Lines
- Electric Drive Transportation Association
- Electric Power Research Institute
- Hudson River Park Trust
- Greater Amsterdam Central School District
- Governor's Island Preservation and Education Corporation
- Hunts Point Cooperative Market
- Metropolitan Transportation Authority
- Municipal Electric Utilities Association
 - Town of Massena
 - Town of Wellsville
 - Village of Arcade
 - Village of Bath
 - Village of Boonville
 - Village of Churchville
 - Village of Endicott
 - Village of Fairport
 - Village of Freeport
 - Village of Green Island
 - Village of Groton
 - Village of Holley
 - Village of Lake Placid
 - Village of Marathon
 - Village of Penn Yan
 - Village of Plattsburgh
 - Village of Salamanca
 - Village of Sherburne

- Village of Solway
- Village of Spencerport
- Village of Springville
- Village of Tupper Lake

- New York City Department of Education
- New York City Department of Parks and Recreation
- New York City Department of Transportation
- New York City Department of Sanitation
- New York City Department of Environmental Conservation
- New York City Department of Citywide Administrative Services
- New York City Department of Corrections
- New York City Economic Development Corporation
- New York City Fire Department
- New York City Police Department
- New York Container Terminal
- New York State Department of Transportation
- New York State Energy Research and Development Authority
- New York State Office of General Services
- New York State Department of Parks, Recreation and Historic Preservation
- Port Authority of New York and New Jersey
- New York Association for Pupil Transportation
- Roosevelt Island Operating Corporation
- Schenectady City School District
- State University of New York
- New York Times
- United States Postal Service
- UPROSE

- Westchester County Municipalities
 - Village of Dobbs Ferry
 - Village of Hastings-on-Hudson
 - Village of Larchmont
 - Village of Tarrytown
- Wildlife Conservation Society

About NYPA

The New York Power Authority is the nation's largest state public power organization and one of New York's leading electricity suppliers. NYPA operates 17 generating facilities, including three large hydroelectric projects, and 1,400 circuit-miles of transmission lines across New York. The Power Authority also invests money and resources in energy efficiency projects, as well as new technologies that produce electricity from clean alternative energy sources. NYPA does not use tax revenue or state credit. It finances its operations through bond sales and revenues earned in large part through sales of electricity. To learn more, visit: www.nypa.gov.



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