

# New York City Parks & Recreation



## Electric vehicles in parks

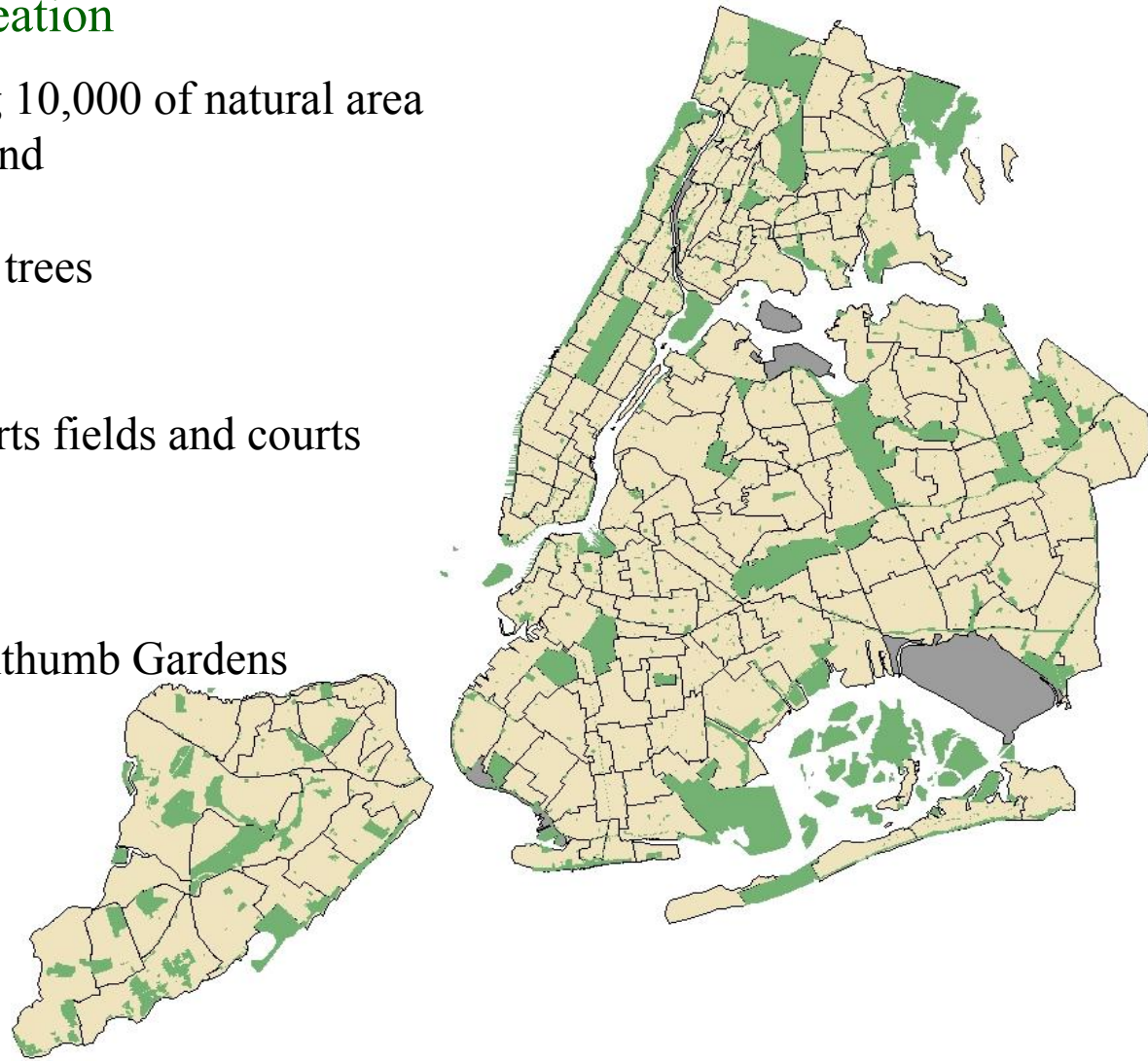
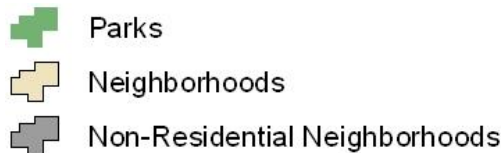
EV Symposium II  
April 11, 2011

# New York City Parks & Recreation



## City of New York, Parks & Recreation

- 28,840 acres of parkland, including 10,000 of natural area
- 14% of the city is municipal parkland
- 1,862 parks, 990 playgrounds
- 600,000 street trees, 2 million park trees
- 14 miles of beaches
- 65 indoor and outdoor pools
- 30 recreation centers, over 800 sports fields and courts
- Golf courses, marinas, restaurants
- Historic houses, monuments
- Stadia, ice skating rinks, tracks
- Over 3,000 Greenstreets and Greenthumb Gardens
- Botanical gardens, zoos
- Over 600 public bathrooms

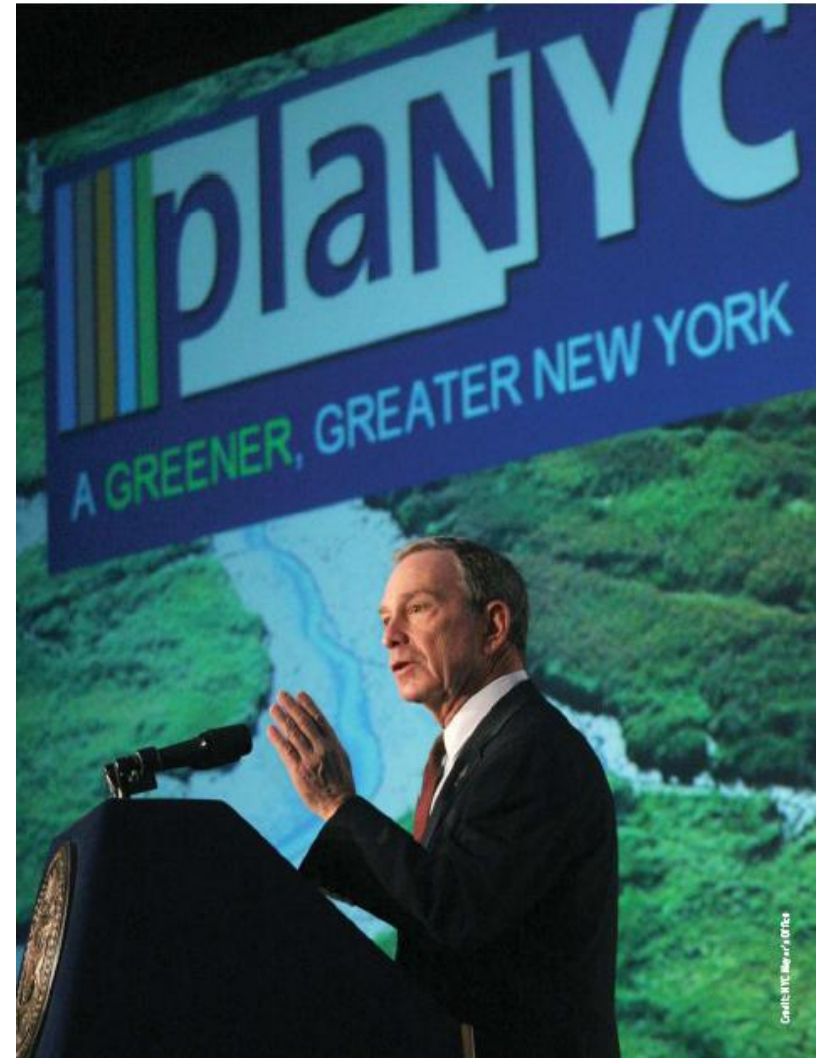


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Through PlaNYC, Mayor Bloomberg has challenged New York City to reduce carbon emissions by 30% in total by 2030 and 30% for municipal government by 2017.

Parks is leading the way with fleet and facilities. Over 70% of our fleet uses alternative energy, with EVs a major part of our strategy.



# New York City Parks & Recreation



Parks operates over 400 hybrid light duty vehicles.  
Soon, all sedans and SUVs at Parks will be alternative fuel

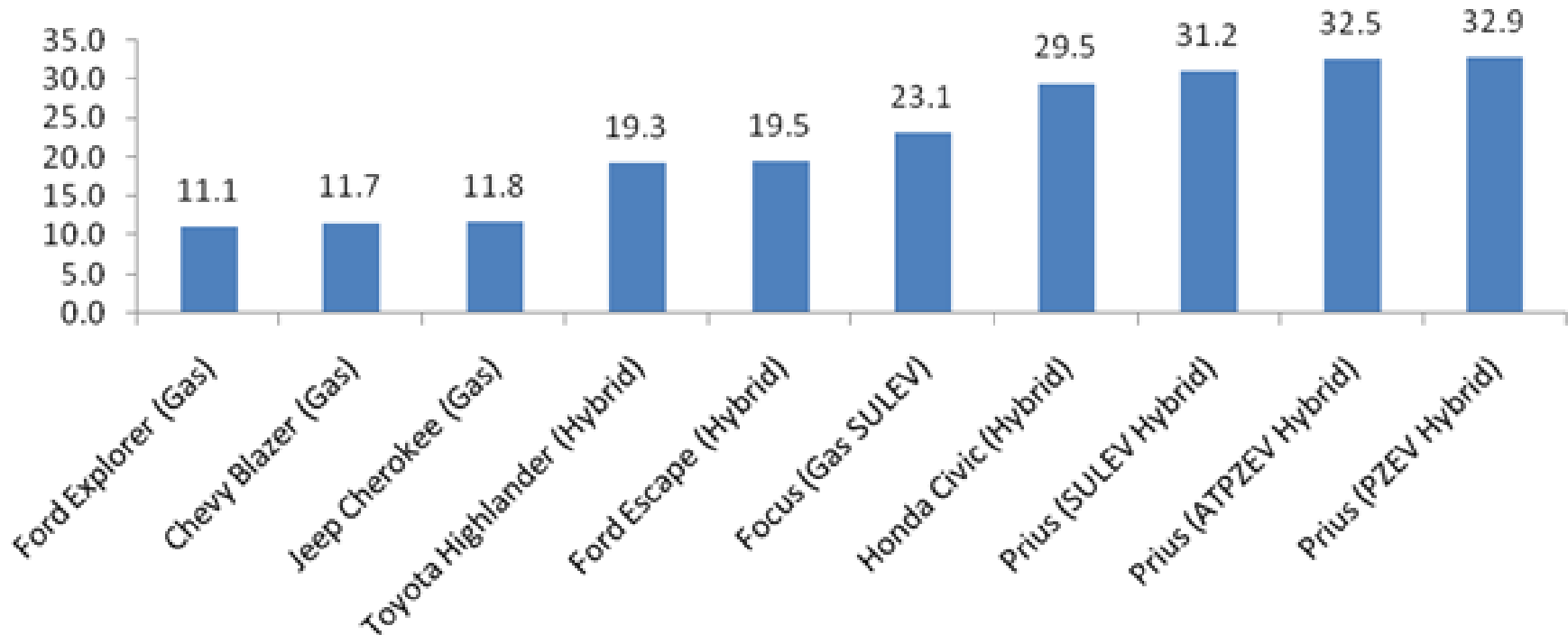


# New York City Parks & Recreation



Light duty hybrids are achieving 50% to 75% actual fuel economy improvements.  
Parks burned 316,000 (17%) less gallons of fuel last year.

## 2010 Fuel Economy of Sedans and SUVs



# New York City Parks & Recreation



Parks expects its first 9 Chevy Volts this June.

With these units, Parks will also begin installing the electric charging infrastructure that will support light duty and medium and heavy duty EVs at our parking locations and garages.

WWW.NYC.GOV/PARKS



## THE DAILY PLANT

CITY OF NEW YORK PARKS & RECREATION

Volume XXVI, Number 5371

Thursday, March 17, 2011

### TEST DRIVING THE NEWEST ALTERNATIVE FUEL VEHICLES

Two of New York City's "Finest" intercepted two of New York's "Greenest" on a recent afternoon on the Central Park drive. The police officer rolled down his window. I did the same while reaching for my Parks ID and a story. The instructions had been clear from the Parks garage attendant: Do not drive around the Central Park loop.

And yet, Jun Lee from Operations and Management Planning (OMP) and I were having too much fun to remember that directive as we eased passed the barrier on 72nd Street and headed north on the Drive. Jun and I were test-driving a 2011 Chevrolet Volt, the most fuel-efficient car sold in the United States, according to the Environmental Protection Agency. Parks will be adding around nine Chevy Volts to its fleet, which has won numerous awards for its aggressive use of alternative fuels. Over 70% of the 2,228 Parks vehicles use some form of alternative fuel. The agency has 282 electric vehicles in its fleet, 250 of which are electric GEM carts used by

# New York City Parks & Recreation



Parks operates over 300 all electric carts including GEM carts donated by Daimler Chrysler.

In partnership with NYPA and the Central Park Conservancy, Parks recently introduced 12 electric EZ go carts into Central Park.

Parks is piloting solar-electric hybrids carts including the Bad Boy unit outside today, which was donated by BP.



# New York City Parks & Recreation



Parks just completed a pilot donation of two all electric BMW Mini-Coopers

We still operate two donated all electric Toyota Rav 4s from the 1990s



# New York City Parks & Recreation



Hybrid and electric trucking is Parks next frontier.

We operate 17 Kenworth diesel-electric rack and dump trucks, a partnership with Sanitation.

We are adding 11 more units including forestry, towing and watering trucks in 2011.

We plan to pilot Navistar EV vans this year as well.



# New York City Parks & Recreation



Parks is also beginning a replacement program for its busses and trolleys and will order our first Navistar hybrid bus in 2011. Parks is also installing electrical infrastructure in Union Square to support electric food carts as part of the green market.



# New York City Parks & Recreation



City of New York  
Parks & Recreation

invites you to attend our

## 23<sup>rd</sup> ANNUAL **VEHICLE & EQUIPMENT SHOW**



Each show highlights vehicles and equipment with alternative fuel and emissions reducing technologies. We also showcase the latest in light and heavy-duty vehicles, trucks, horticultural equipment, tools, fleet services and more.

**Wednesday, May 25<sup>th</sup>, 2011 from 9AM to 3 PM**  
**FLUSHING MEADOWS CORONA PARK, QUEENS**

The show will take place around the Unisphere  
and continues to be free to all exhibitors and attendees.

**If you have questions or to RSVP,  
please call (212) 360-8223.**

# New York City Parks & Recreation



Parks also has aggressive programs in compressed natural gas, biodiesel, and fleet right sizing.

Parks has received multiple national recognitions for having one of the greenest fleets in the United States.



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