

# milliontreesNYC™

A PLANYC INITIATIVE WITH NYC PARKS AND NEW YORK RESTORATION PROJECT



## Street Tree Census

City of New York  
Parks & Recreation  
Michael R. Bloomberg, Mayor  
Adrian Benepe, Commissioner



Approximately 5.2 million trees grow on public and private property in New York City, according to a U.S. Forest Service study. 592,130 of those trees grow on New York City streets, according to the 2006 Street Tree Census, the largest participatory urban forestry project in any city in the United States. More than one thousand Parks Department staff and volunteers spent a combined 30,000 hours taking down the species, size, location and condition of 592,130 trees in neighborhoods across New York City.

**What is a street tree?** The definition of a street tree is any tree growing within the public-right-of-way.

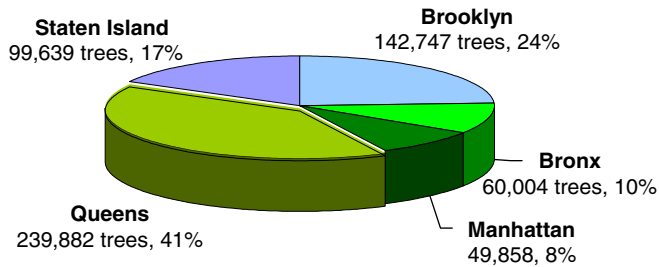
**How many are there?** 592,130 street trees—93,000 (19%) more trees than were counted in the 1996 census.

**What kind of trees?** Census-takers identified 168 different species though just ten species comprise 74 % of the population.

### NYC's Top Ten Street Trees (%)

London planetree	15.3	Littleleaf linden	4.7
Norway maple	14.1	Green ash	3.5
Callery pear	10.9	Red maple	3.5
Honeylocust	8.9	Silver maple	3.2
Pin oak	7.5	Ginkgo	2.8

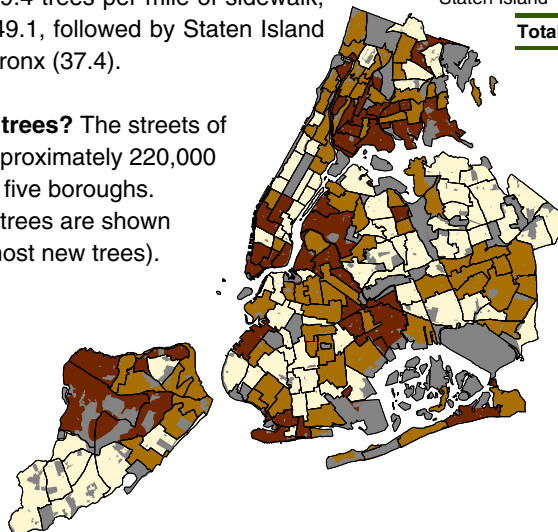
**Where are they?** Queens remains the borough with the most trees, with just over 40% of the total population. Brooklyn has the second highest number of trees, with 24% of the population.



**Which borough has the leafiest streets?** The honor goes to Manhattan, with an average of 49.4 trees per mile of sidewalk, with Queens a close second at 49.1, followed by Staten Island (48.6), Brooklyn (44.6) and the Bronx (37.4).

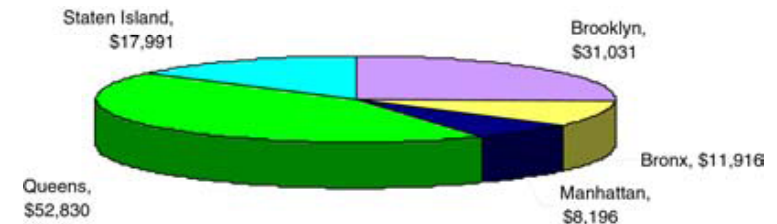
**Where is there space for more trees?** The streets of New York City have space for approximately 220,000 additional street trees across the five boroughs. Neighborhoods targeted for new trees are shown below (dark brown indicate the most new trees).

Borough	New Trees
Bronx	50,000
Brooklyn	70,000
Manhattan	20,000
Queens	55,000
Staten Island	27,000
<b>Total</b>	<b>220,000</b>



**How valuable are our street trees?** The value of the street trees in each borough can be quantified in terms of the amount of air pollution removed, emissions avoided, stormwater runoff intercepted, and energy saved. In addition, street trees increase property values. The dollar value of the trees in each borough are shown below (in 000s).

Annual Tree Benefits	Total (\$)	\$/tree	\$/capita
Energy	27,818,220	47.63	3.41
Air Quality	5,269,572	9.02	0.65
Stormwater	35,628,224	61	4.36
CO <sub>2</sub>	754,947	1.29	0.09
Aesthetic/Other	52,492,384	89.88	6.43
<b>Total</b>	<b>121,963,347</b>	<b>208.82</b>	<b>14.94</b>



### Tree Benefits by Borough (in 000s)

Borough	Energy	CO <sub>2</sub>	Air Quality	Storm-water	Property Values	Total
Bronx	\$2,699	\$73	\$505	\$3,300	\$5,339	\$11,916
Brooklyn	\$7,352	\$195	\$1,378	\$9,409	\$12,697	\$31,031
Manhattan	\$1,646	\$42	\$293	\$1,804	\$4,411	\$8,196
Queens	\$12,308	\$342	\$2,375	\$16,238	\$21,567	\$52,830
Staten Island	\$3,814	\$103	\$719	\$4,877	\$8,478	\$17,991
<b>Total</b>	<b>\$27,818</b>	<b>\$755</b>	<b>\$5,270</b>	<b>\$35,628</b>	<b>\$52,492</b>	<b>\$121,964</b>

## Did you know?

- Standing trunk to trunk, our street trees would form a line 118 miles long—the distance from Manhattan to Hartford, CT.
- Spaced 25 feet apart single file, our street trees would stretch over 2,800 miles—all the way to Las Vegas, NV.