

气候变化时代的交通





n elevators stopped functioning. They
ed with the National Guard and the Fed
s to distribute emergency supplies.

反弹 (resilient) [ri-zil-yuhnt] 形容词

1.能够在发生变化或灾难后迅速恢复 2.能够为困难环境做准备 进行响应和恢复

even as the people of the city focused on
ly and the destruction it had wrought across
ve boroughs, it became clear that relief and
very efforts alone would not be a sufficient
onse to this disaster. It was critical for the
also to turn simultaneously to the future and
prepare—not just for “the next Sandy,” and
ust for hurricanes and storm surge. It was
ntial to redouble the broader preparations
imate change begun with PlaNYC.

December 2012, Mayor Bloomberg delivered
peech announcing a major new effort to
y the city for the future. *A Stronger, More
ilient New York* is the response to the
or’s call to action. The nearly \$20 billion
contained in this report (towards which the
will contribute up to \$1 billion in new

buildings in which New Yorkers live and work,
and all the vital systems that support the life of
the city, including our energy grid, transporta-
tion systems, parks, telecommunications net-
works, healthcare system, and water and food
supplies. Meanwhile, for the areas of New York
that Sandy hit especially hard, this plan pro-
poses local rebuilding initiatives that will help
these communities emerge safer, stronger, and
better than ever.

The underlying goal of this report is resiliency.
That is, to adapt our city to the impacts of cli-
mate change and to seek to ensure that, when
nature overwhelms our defenses from time to
time, we are able to recover more quickly.

In short, we have to be tough.

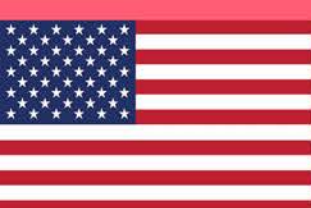
And toughness, as we all know, is one of the
defining traits of New Yorkers.

become more united as a city.

We must come together again with ar-
dour and determination to slow the progr-
ess of climate change while simultaneously pre-
paring for the changes already evident around
us and those yet to come.

If we embrace this plan today, we will
be positioned to meet the challenges that cli-
mate change may bring tomorrow, and a
brighter future certainly will bring in the years and de-
cades ahead. If we take action now, we
can make New York City stronger, safer, and
more resilient—not only for our own benefit
but for the benefit of future generations
of New Yorkers.

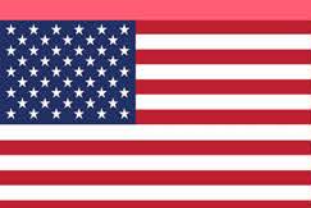
**The time has come to make our city
even tougher.**



飓风桑迪的影响



洪水损坏 **700** 处交叉路口交通信号装置

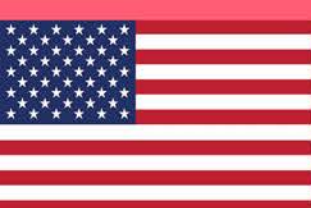


滨水区基础设施



60 条车道数英里
道路严重受损

500 条车道数英里
道路受到重大损坏



重要交通网络

860 万名日常公交乘客

420 万名驾驶员

和 **100** 万名飞机乘客



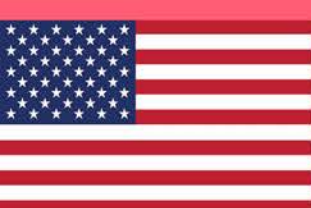
前瞻性计划









协调与才能

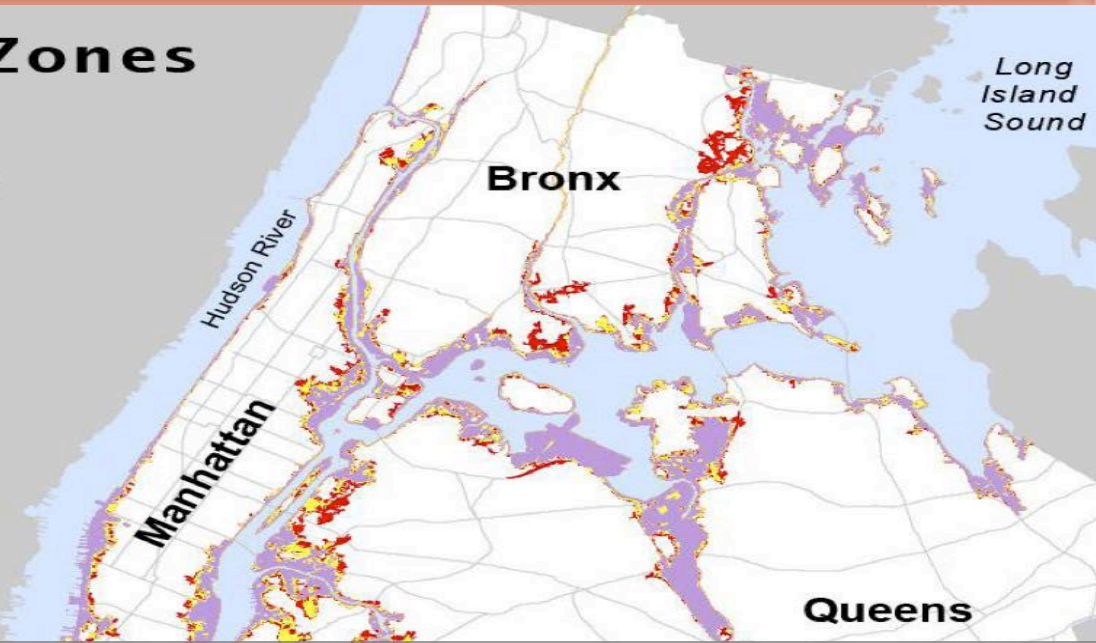




Future 100-Yr Flood Zones for New York City

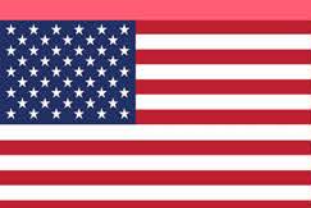
using high-estimate 90th percentile projections of sea-level rise

-  2020s 100-Year Flood Zone (11" Sea Level Rise)
-  2050s 100-Year Flood Zone (31" Sea Level Rise)
-  FEMA 100-Year Flood Zone (June 2013)
-  Major Roads and Highways



使用数据和研究进行设计





PREMIUM AT 4 FEET BELOW
BASE FLOOD ELEVATION

PREMIUM AT
BASE FLOOD ELEVATION

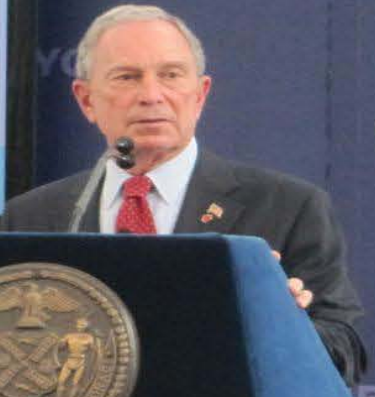
\$9,500/year

\$1,410/year

计划、程序、报告



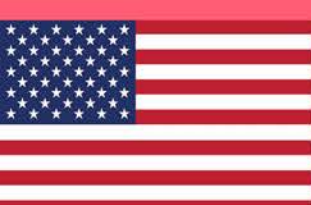
A STRONGER, MORE RESILIENT NEW YORK



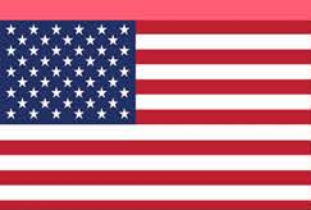
NYC GREEN INFRASTRUCTURE

A GUIDANCE TOOLKIT FOR CLEAN WATERWAYS

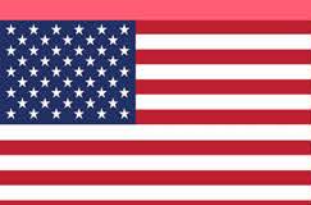




环保基础设施



环保基础设施



Lacy Shelby

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