

Climate and Health

NYC Mayor's Office of Climate and Environmental Justice

September 22, 2022

Prioritizing Health in Policy

- Use great research and data from DOHMH to inform policy decisions
- Intention is to target communities that have borne the brunt of environmental injustice and would benefit most from the improved air quality
- Heat Vulnerability Index used in program implementation, including the enhanced green roof tax abatement rules.

Score (Lowest 1 - Highest 5), 2018

HEAT VULNERABILITY INDEX

Environment & Health Data Portal

Heat Stress: Heat Vulnerability Index by NTA - Score (Lowest 1 - Highest 5), 2018, Neighborhood (NTA)

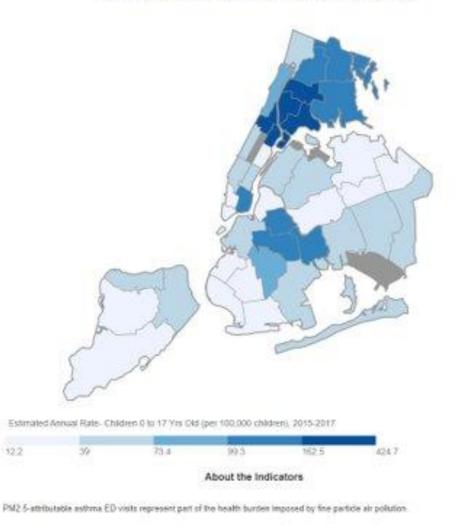


Environment & Health Data Portal

PM2.5-Attributable Asthma Emergency Department Visits - Estimated Annual Rate- Children 0 to 17 Yrs Old (per 100,000 children), 2015-2017, Neighborhood (UHF 42)

Climate and Health Intertwine

- Fossil fuel combustion emits PM2.5, other
 pollutants linked to respiratory illness and even
 premature death
- Climate risks are rapidly increasing and being felt by New Yorkers today
- The climate doesn't care where emissions come from, but people do
- Prioritizing health and Environmental Justice
 focuses in on where we implement change

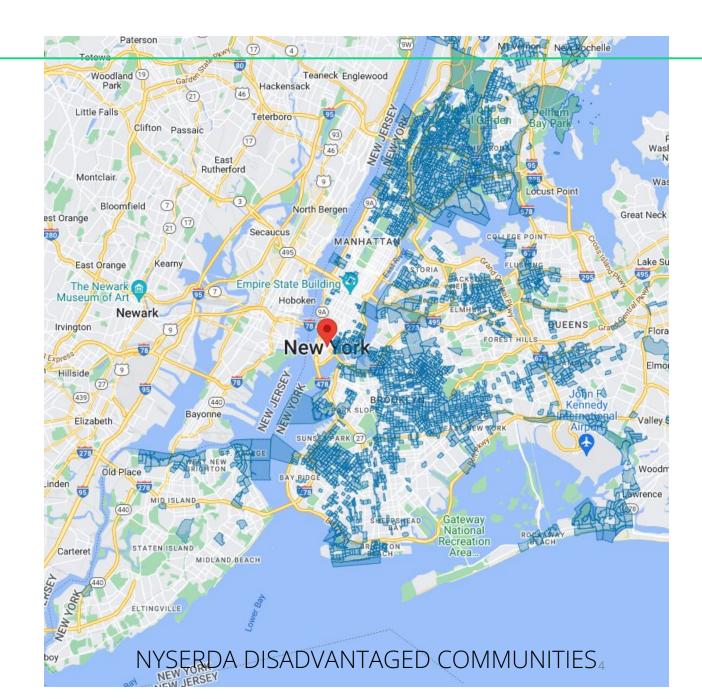


PM2.5 ATTRIBUTABLE ASTHMA



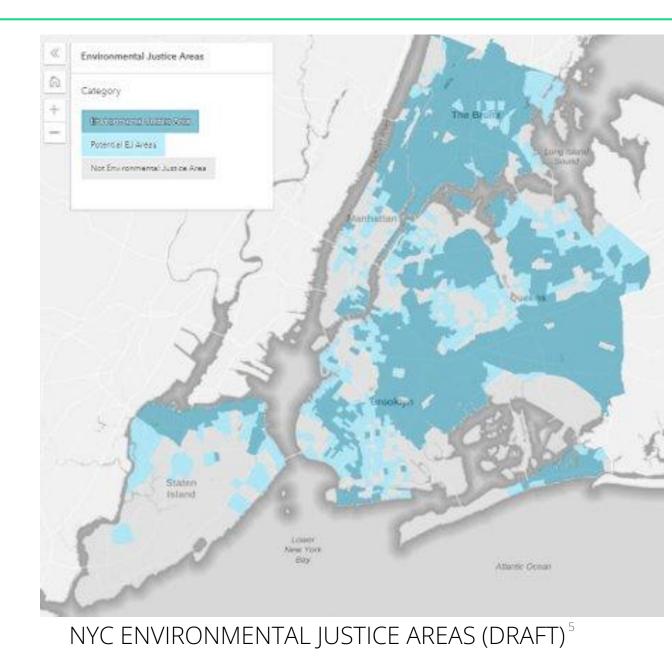
Obstacles to Address

- Older building stock, electrical and other upgrades
 often necessary
- Technology uptake, need to move away from replacement in kind
- Capital costs, and operating costs of electrification
 can be high
- Workforce development is needed to complete a large amount of work



Benefits of Action

- Conversion from No. 6 heating oil to cleaner burning
 fuel resulted in an annual reduction of 1,200 tons of
 PM2.5 preventing 210 premature deaths and 540
 hospitalizations annually
- Accelerating phase out of No. 4 heating oil, prioritizing
 EJ areas for electrification to remove combustion will
 have additional benefit
- Action will lead to reduction in air pollution, improved health, and keep NYC on the path to meet climate mandates



Mayor's Office of Climate & Environmental Justice

Environmental Justice for All Report

- Local Laws 60 and 64 in 2017 were passed to embed EJ into the City's decision-making processes.
- Interagency Working Group (IWG) established of 19 City Agencies and an external Advisory Board (EJ AB) of nationally recognized EJ advocates and subject matter experts.
- In 2022, the City's first comprehensive Environmental Justice for All Report will be released a web based interactive EJ Portal.
- Then, create NYC Environmental Justice Plan, which will identify concrete recommendations for citywide EJ initiatives and policies

