



Sump Pumps, Racism, and Your Electricity Bill: Redlining's Role in Environmental Injustice and What to Do About it.

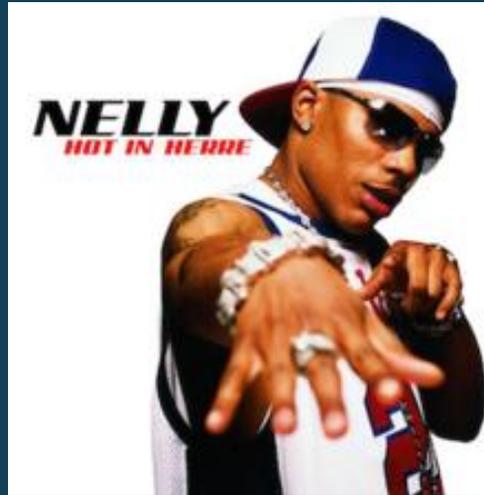
**Cate Mingoya- Groundwork USA
August 12, 2020
Urban Forest Connections**



The Groundwork Network



It's getting hot (and wet) in here!



The climate crisis will be expensive and deadly

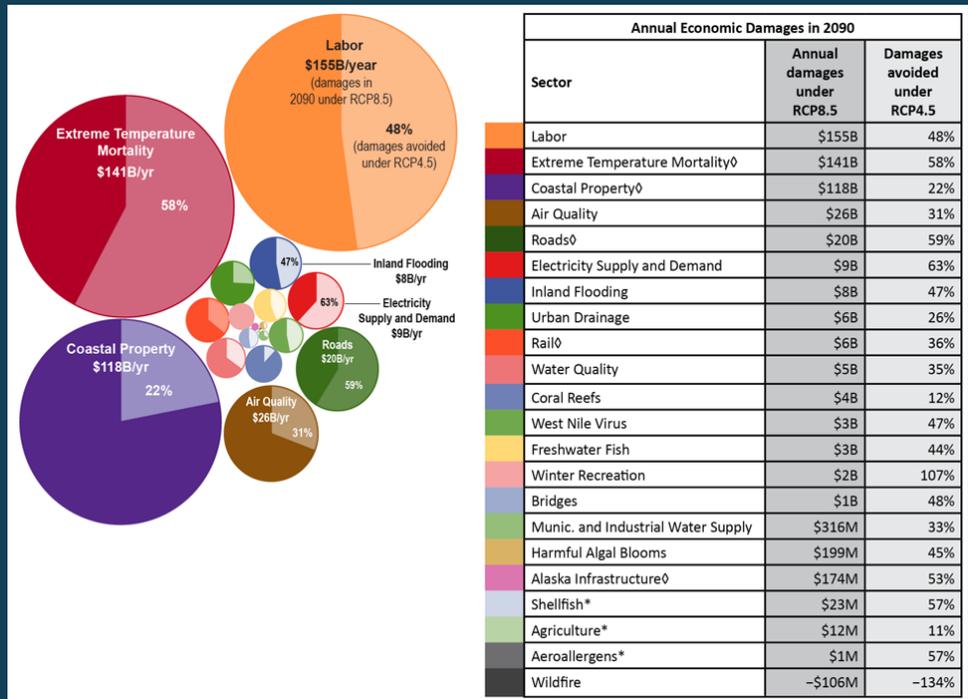
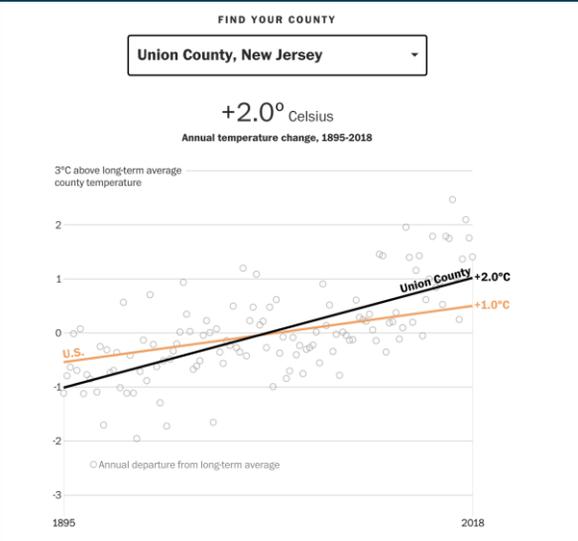


Figure 29.2: Projected Damages and Potential for Risk Reduction by Sector: National Climate Assessment, vol. II (2018): Excerpts

The consequences of a changing climate are not being felt equally



Source: Washington Post.
<https://www.washingtonpost.com/graphics/2019/national/climate-environment/climate-change-america/>

npr

NEWS ARTS & LIFE MUSIC GAMES & PODCASTS SEARCH

Heat and Health in American Cities

As Rising Heat Bakes U.S. Cities, The Poor Often Feel It Most

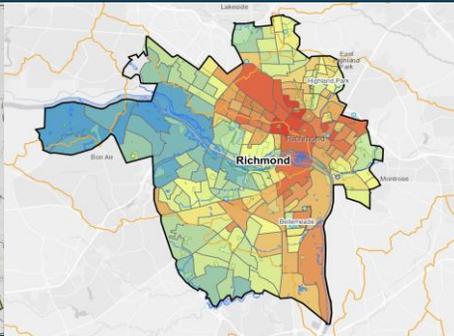
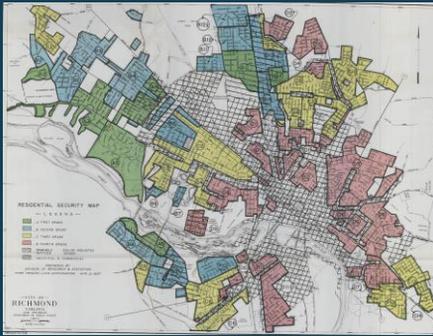
HEG ANDERSON DEAN MOYER

LISTEN READ PLAYCAST

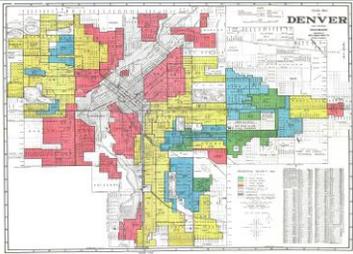


..and that's not a coincidence

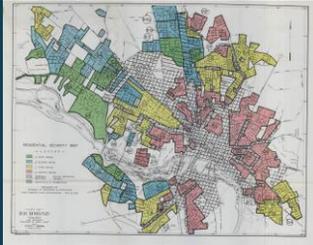
Is there a relationship between historical redlining and modern risk to heat and flooding?



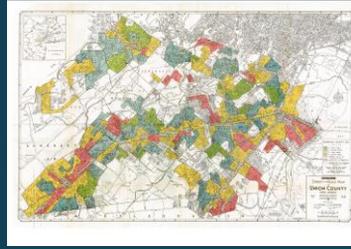
Nine City National Partnership Coast to Coast



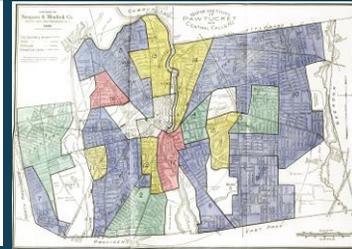
Denver, CO



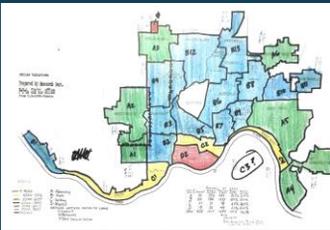
Richmond, VA



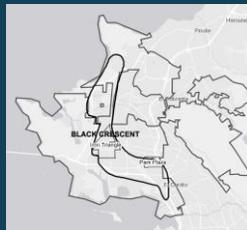
Elizabeth, NJ



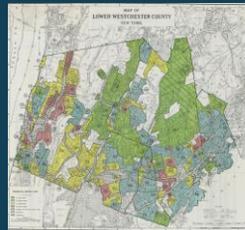
Central Falls, RI



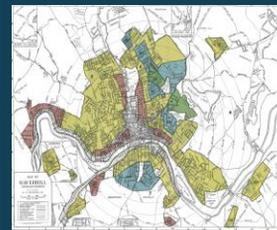
Cincinnati, OH



Richmond, CA



Yonkers, NY



Lawrence, MA (area)



San Diego, CA



CLIMATE SAFE NEIGHBORHOODS

What does housing discrimination have to do with climate change? Click the images below to learn how Groundwork communities are using maps and data to build resilience to extreme heat and flooding.

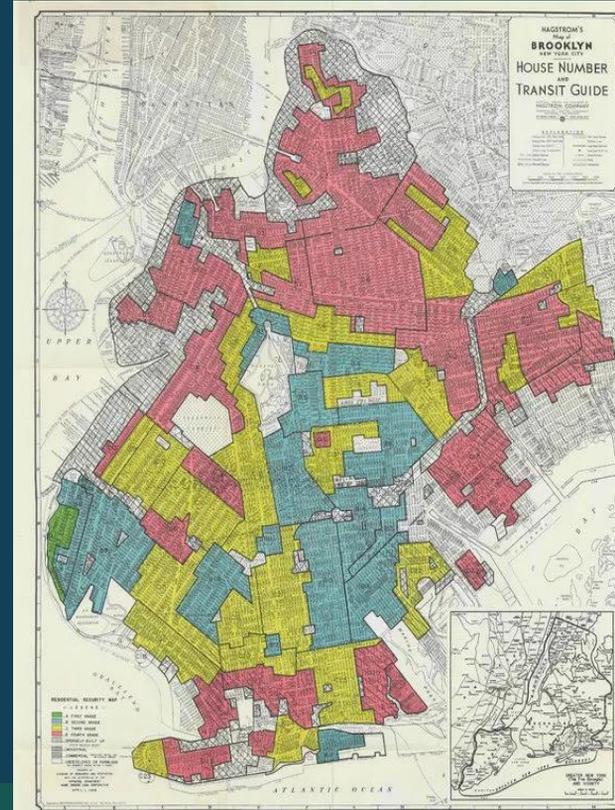
ABOUT THE PROJECT

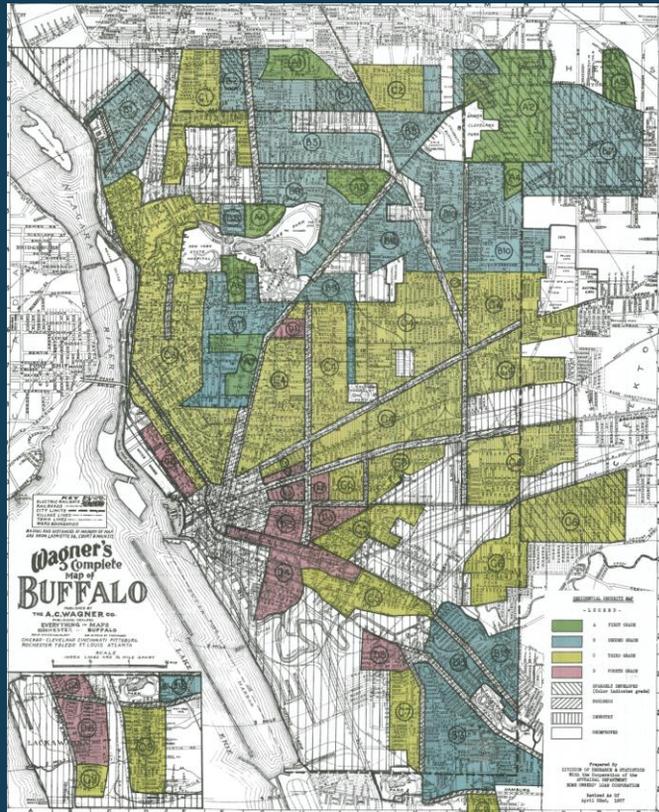
Check out the initiative at: <https://groundworkusa.org>

Redlining 101

Commissioned by Federal Government

- **Federally Backed Mortgages**
Policy to make lending easier and safer and promote wealth building.
- **Can't Buy, Can't Sell, Can't Leave**
Maintains pre-1917 segregation, current owners can't sell, POC can't buy in other neighborhoods.
- **Financial Disincentives to Invest in Neighborhoods**
Sewage, water, housing stock, parks.



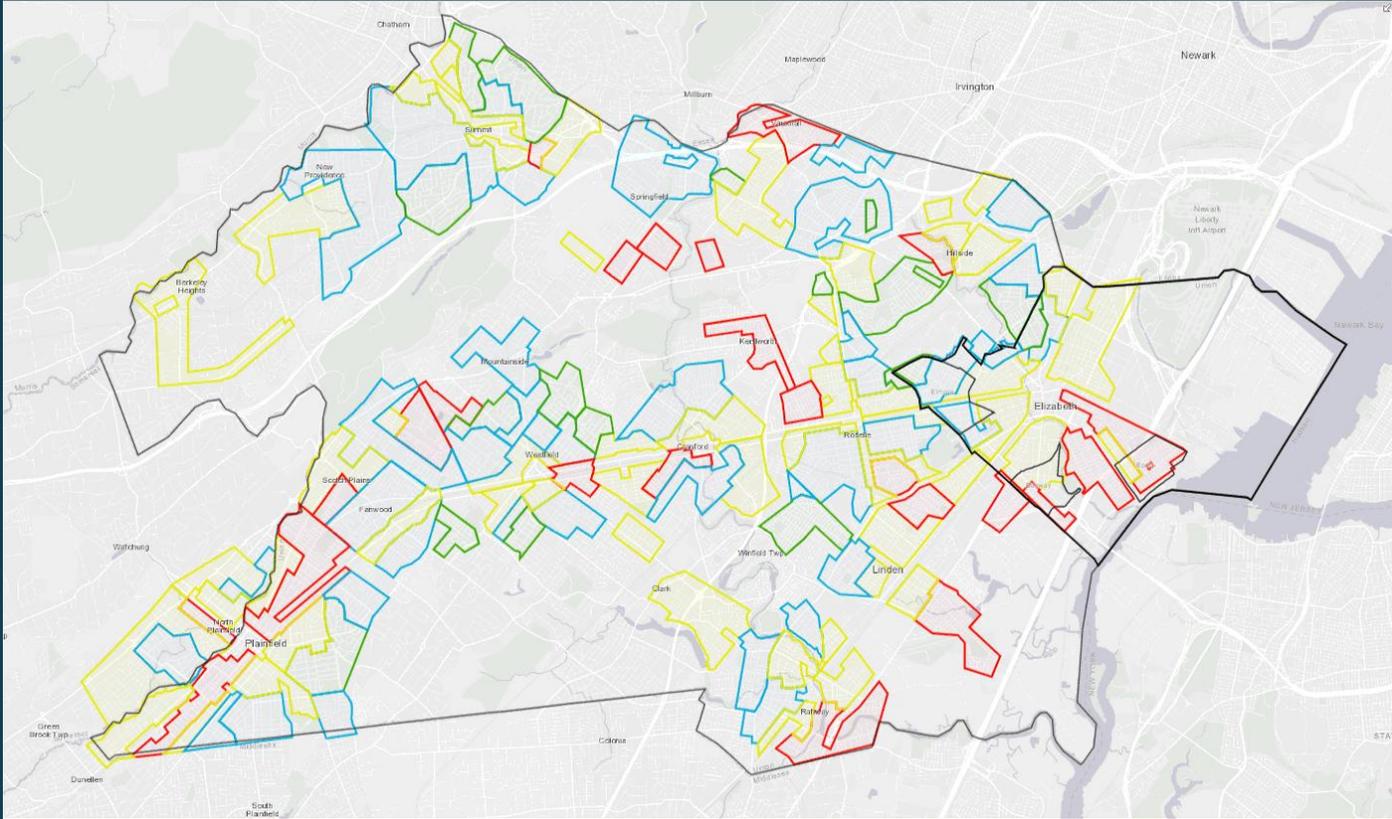


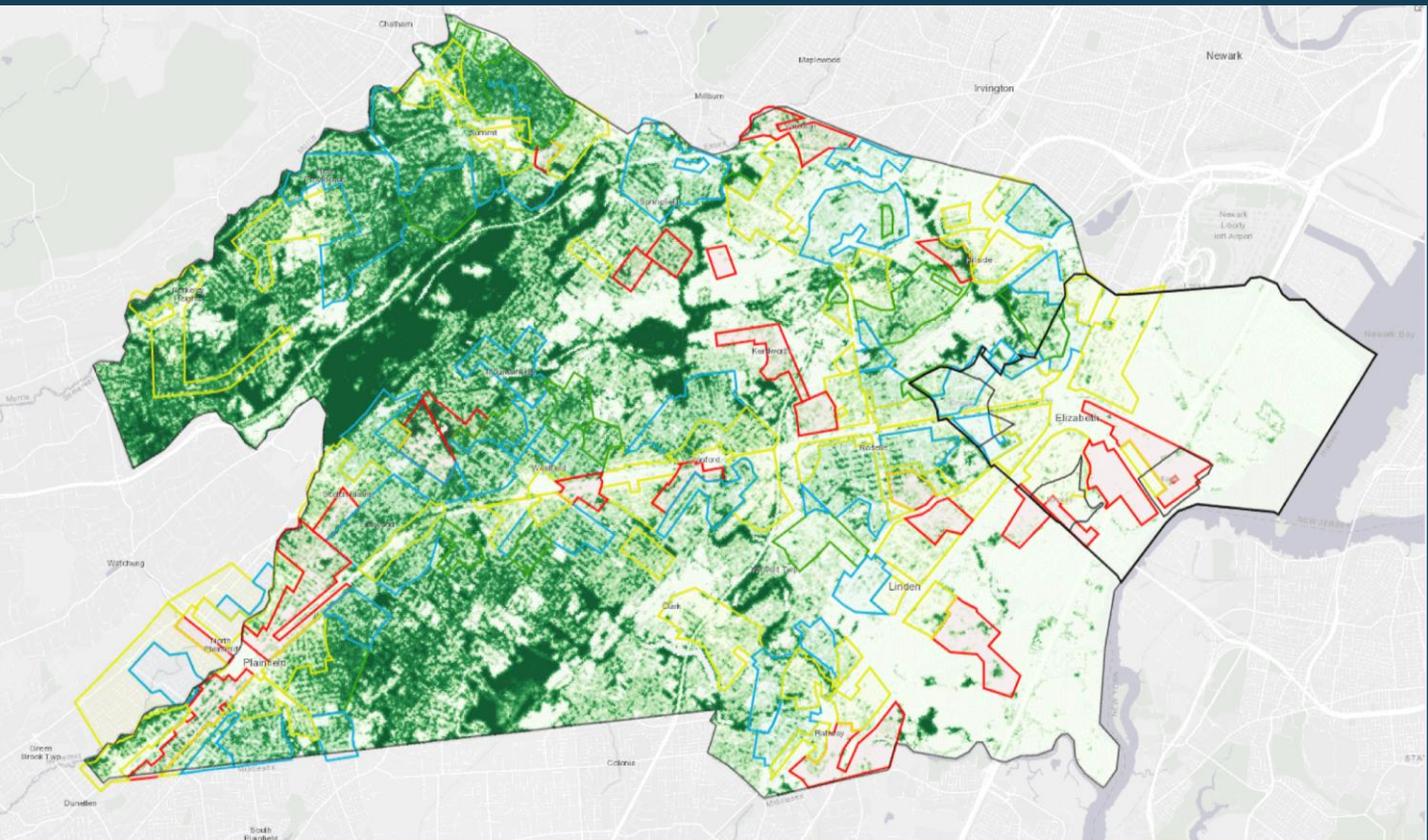
Green = A= First Grade (white, good housings stock)

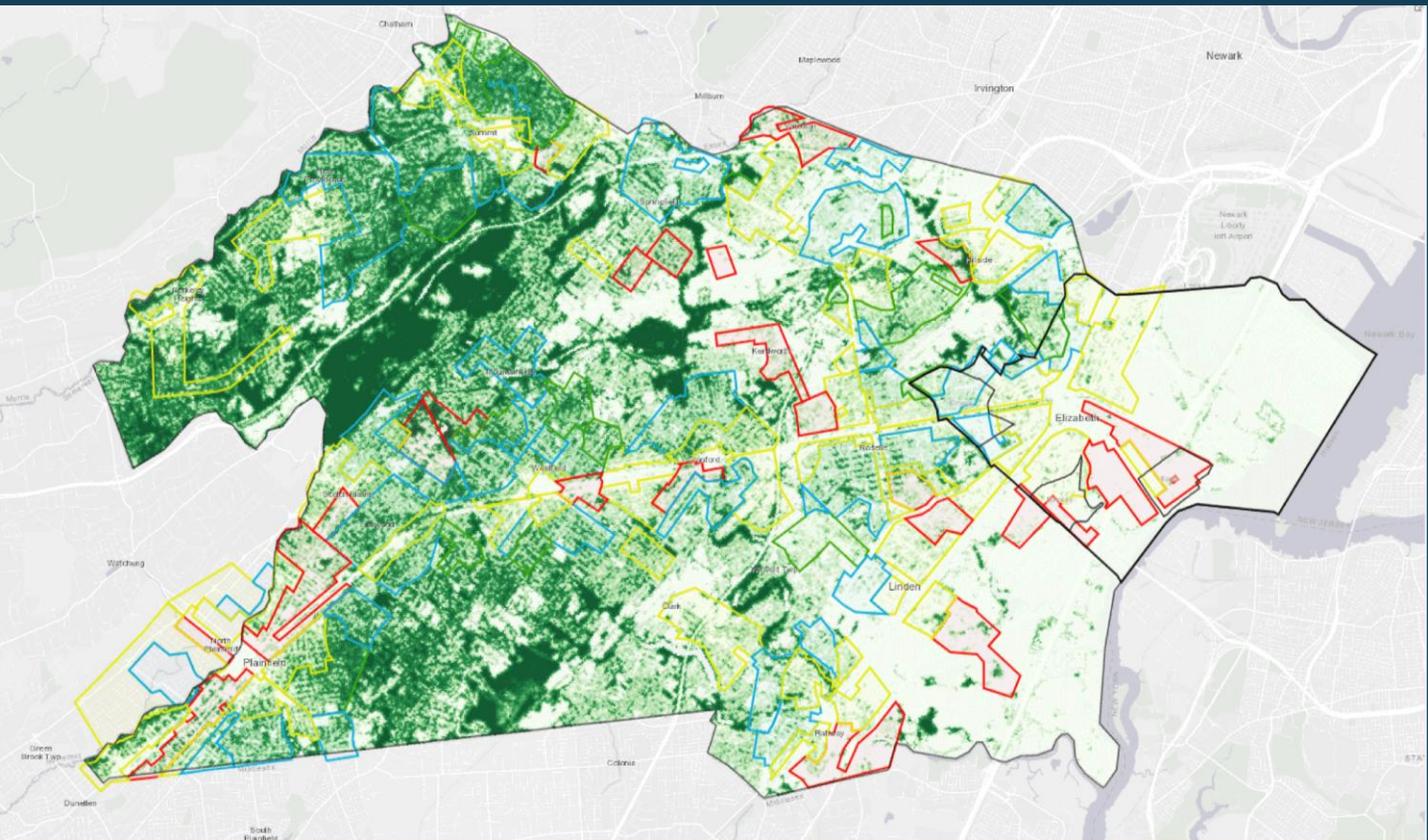
Blue= B= Second Grade (white-ish, ok housing stock)

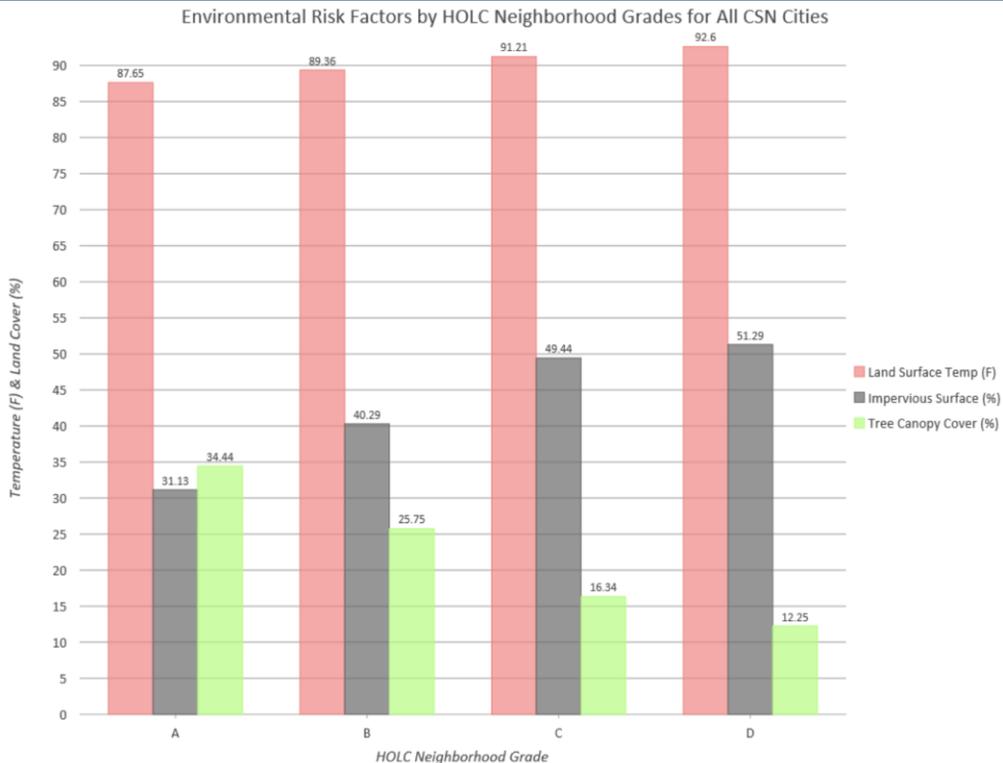
Yellow = C= Third Grade (*might* be white now, poor housing stock, immigrants, mixed race)

Red=D= Fourth Grade (POC, poor housing stock)









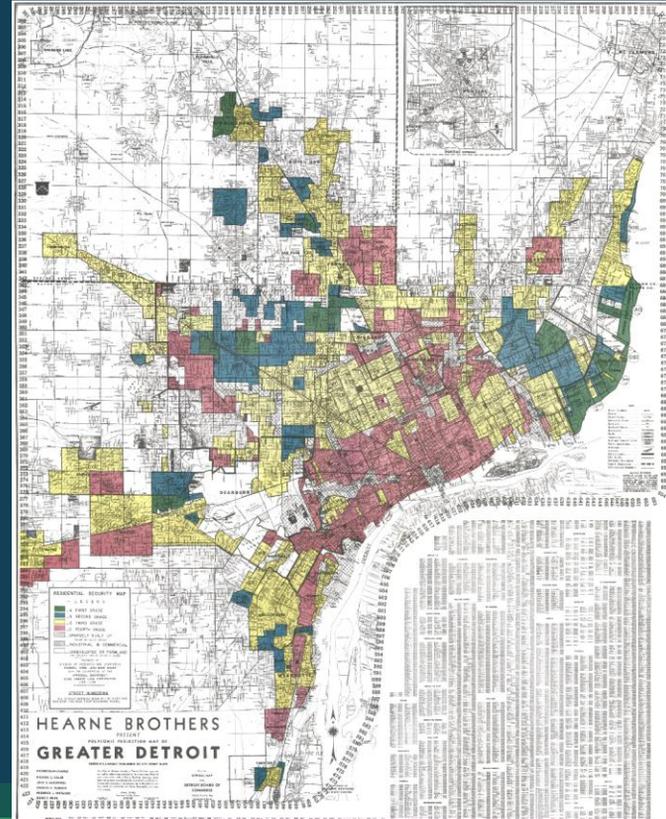
Land Surface Temperature and Impervious Surface increase as HOLC grade decreases while Tree Canopy increases with grade.
 (Source: NLCD & Landsat 8 data summarized by HOLC grade by Groundwork Milwaukee.)

The Punchline

Today...

75% of D graded neighborhoods are low/moderate income

64% of D graded areas are minority neighborhoods.

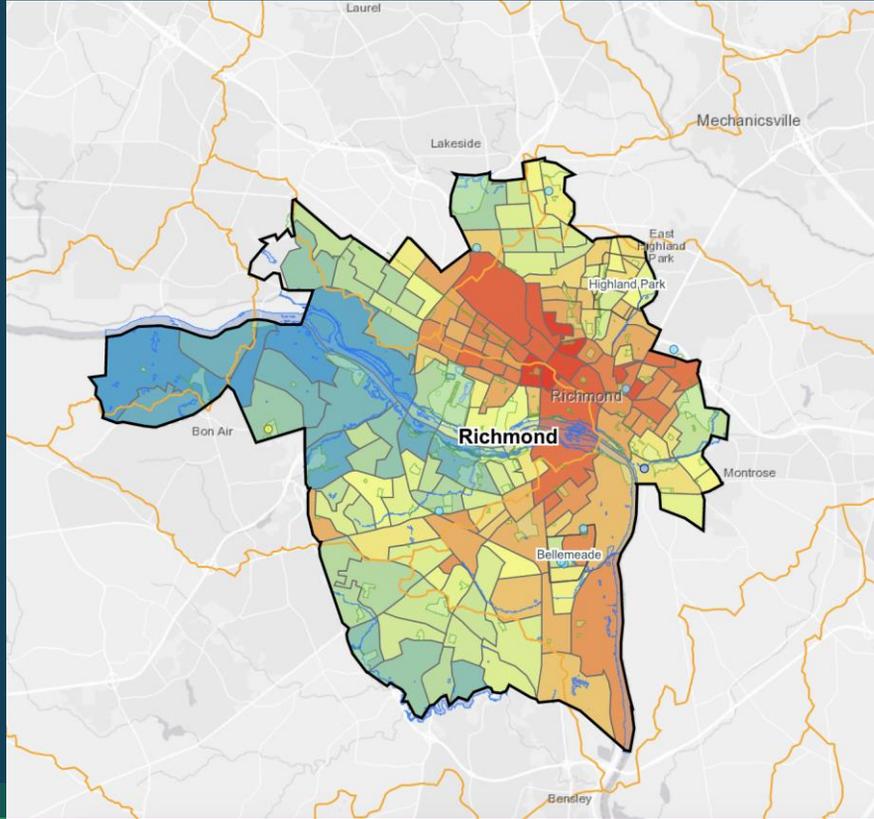


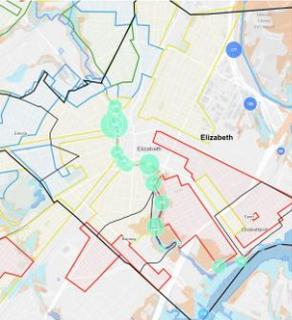
Disappointed

BUT NOT

SURPRISED

Heat Vulnerability Index





THE IRON TRIANGLE NEIGHBORHOOD COUNCIL

RICHMOND CA



YES ON 2A



HEALTHY PARKS AND
RIVERS FOR EVERYONE

RICHMOND



A GUIDE FOR GROWTH

- **Organize** stakeholders
- **Learn** about WHY our communities look this way
- **Prioritize** mitigation measures
- **Intervene** in policy and planning systems
- **Self advocate** for climate safe neighborhoods

Mitigation Measures Must be Culturally Complimentary and Community Driven



YES ON 2A



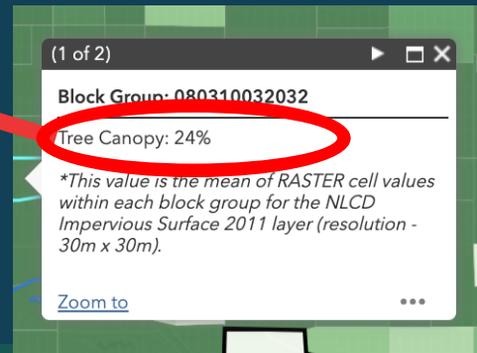
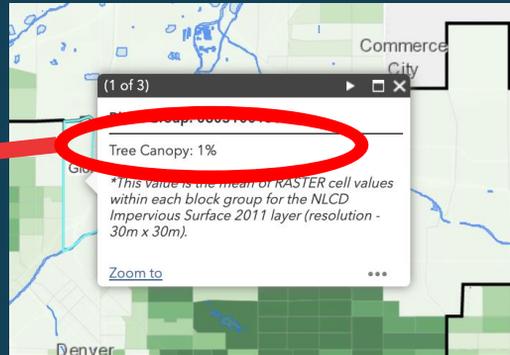
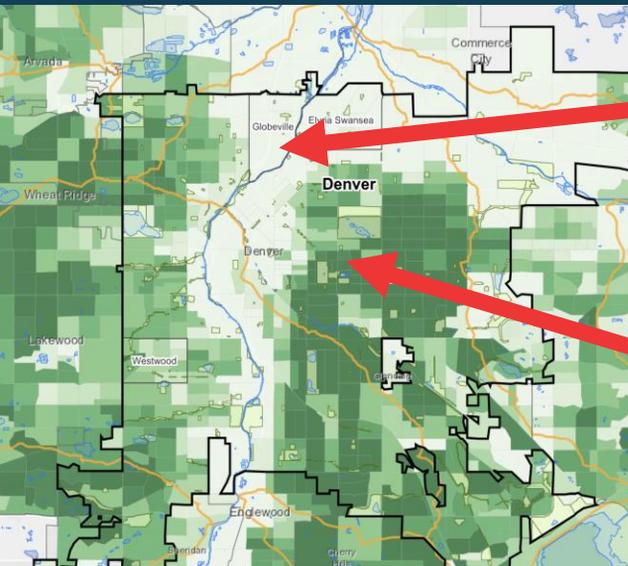
HEALTHY PARKS AND
RIVERS FOR EVERYONE

Denver, CO

\$ for parks/cap backlogs
5-Year cycle
Focus on Globeville
Neighborhood

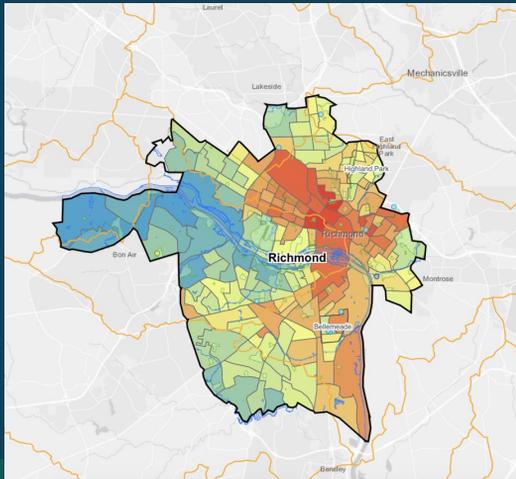


GROUNDWORK
DENVER



The ask: 10,000 trees in 10 years

Prioritize neighborhoods with a high HVI



RICHMOND
300
A GUIDE FOR GROWTH

Winter Curveball!

Triple Threat: Climate. COVID. Economy.

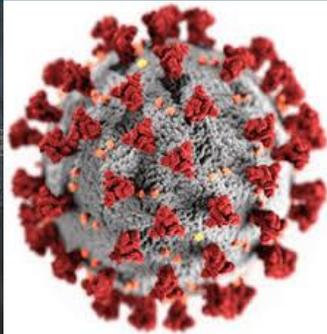
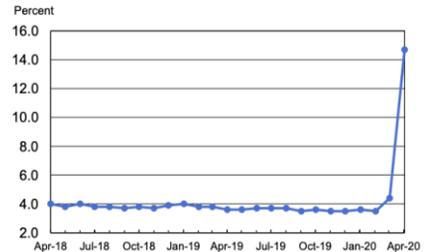


Chart 1. Unemployment rate, seasonally adjusted, April 2018 – April 2020



Source: CDC.gov

Chart source: <https://www.bls.gov/news.release/pdf/empst.pdf>

Not a Coincidence

(and still connected to race-based segregation!!)

RACE

Racial Disparities In COVID-19 Impact Emerge As Data Is Slowly Released

April 9, 2020 · 4:04 PM ET

Heard on All Things Considered

JUANA SUMMERS 

The coronavirus pandemic is hitting black and brown Americans especially hard on all fronts



By Harmeet Kaur, CNN

Updated 8:43 PM ET, Fri May 8, 2020

 Kaiser Family Foundation

Growing Data Underscore that Communities of Color are Being Harder Hit by COVID-19

In a recent analysis, we highlighted the higher risks COVID-19 poses for communities of color due to underlying health, social, and economic ...

10-18 Cases and Deaths by Race

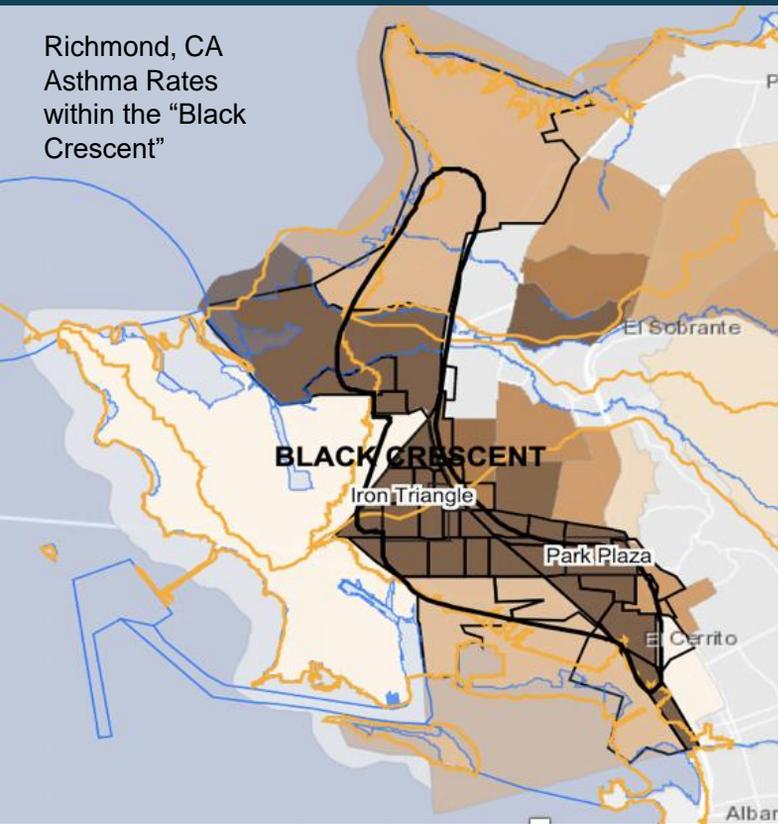


What We Know About the Covid-19 Race Gap

The CDC is finally releasing more data that show just how unequal the toll of the pandemic is. But we can't stop there.

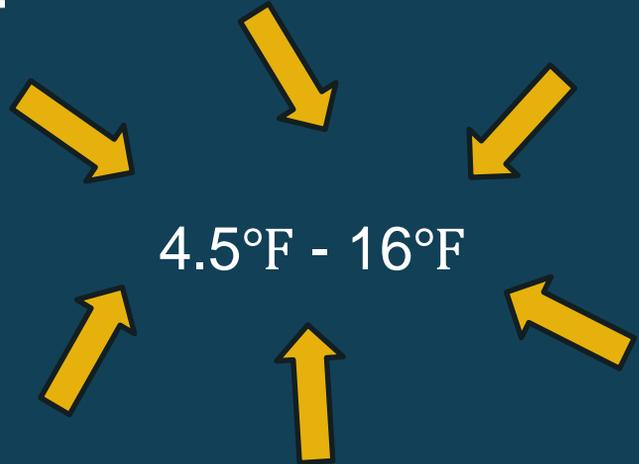
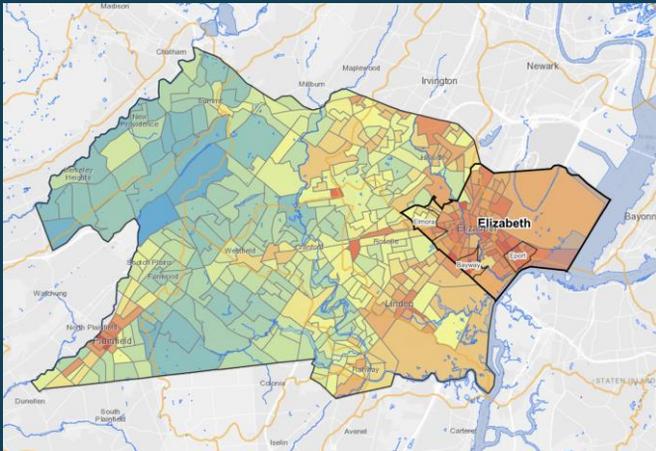
By Zoë Carpenter 

Richmond, CA
Asthma Rates
within the “Black
Crescent”



- Built environment-intentional
- Meant to economically exploit
- No accident

Summer is HERE...



4.5°F - 16°F



Our summer toolbox is looking anemic:



Perkerson Park Splash Pad Playing Atlanta, GA



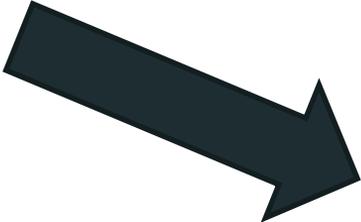
NYC 311 Tweet- 6/29/18

Keeping cool is expensive!



My July 2019 energy bill- yeeesh...

You might feel like
this right now



Grassroots efforts
CAN meet
community need



**There's no single 100%
solution**

Short Term: Grassroots Mitigation Measures

A/C swaps

Sprinkler loans

Cooling credits



White roof painting

Bus shelters

Depaving parties/ Greening

Long term: Invest in communities



Groundwork Denver



Groundwork RVA



Groundwork Elizabeth

Thank you!



Learn More: Groundworkusa.org

Reach out: Cate@Groundworkusa.org