



Equitable Solutions to Climate Change Chicago 2020

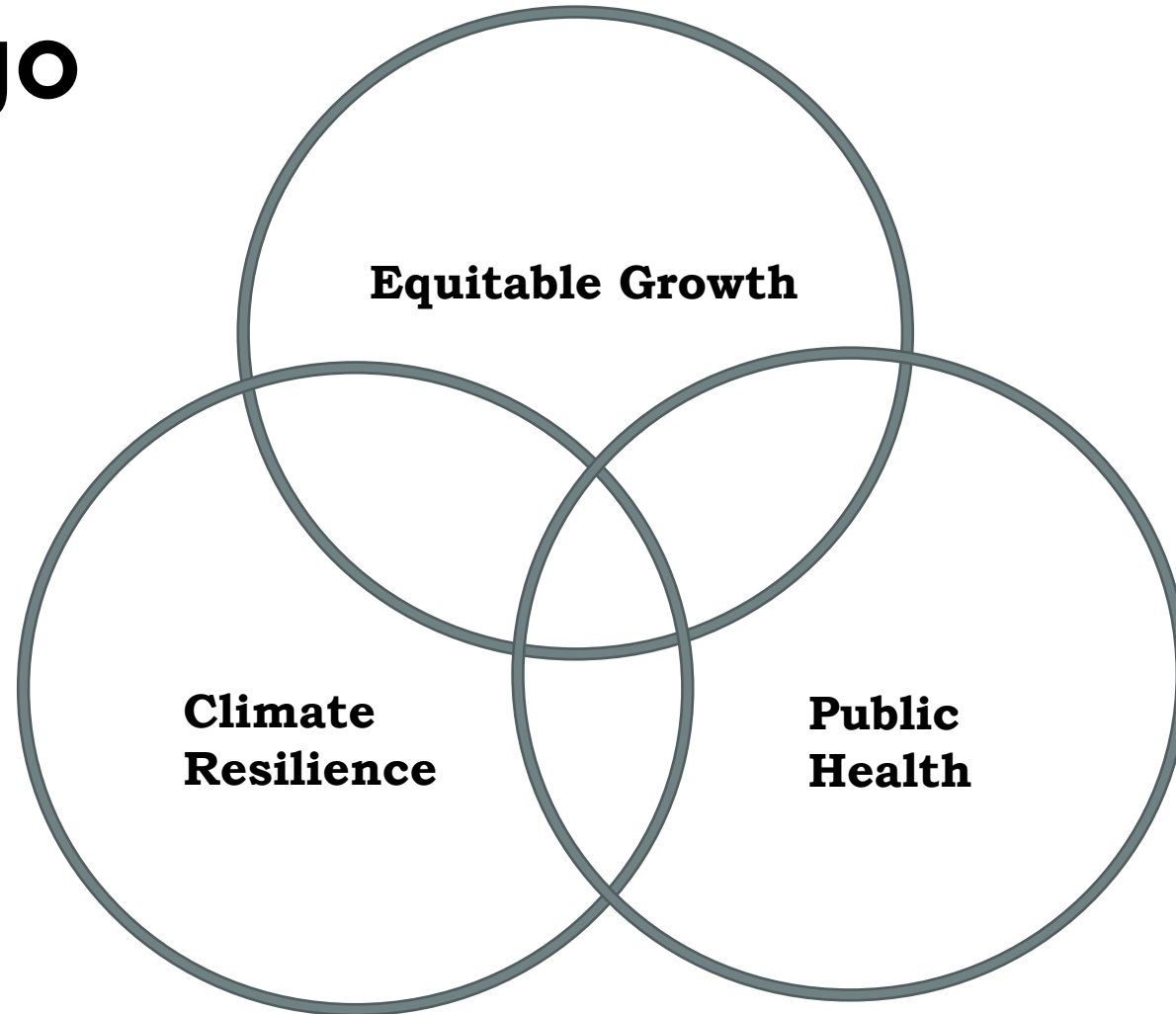
September 2020

Mission Statement

A city where all **people** and all **communities** have **power**, are **free from oppression** and are strengthened by **equitable access** to resources, **environments** and opportunities that promote **optimal health** and **well-being**.



Vision for a Sustainable, Resilient Chicago



Environmental Racism Is Nothing New

Race is the most significant predictor of a person living near contaminated air, water, or soil.

56%

*of the population near **toxic waste** sites are people of color.*



THE NATION
150
INSPIRING FORWARD SINCE 1865



People of color:

Have seen

95%

*of their claims against polluters **denied by the EPA.***



Have

38%

*higher **nitrogen-dioxide** exposure.*



Are

2x

*more likely to live without **potable water** and **modern sanitation.***



Equity – An Outcome and A Process

Outcome

- Race no longer determines one's socioeconomic outcome
- Everyone have what they need to thrive

Process

- When those most impacted by structural racial inequity are meaningfully involved in the creation and implementation of the institutional policies and practices that impact their lives

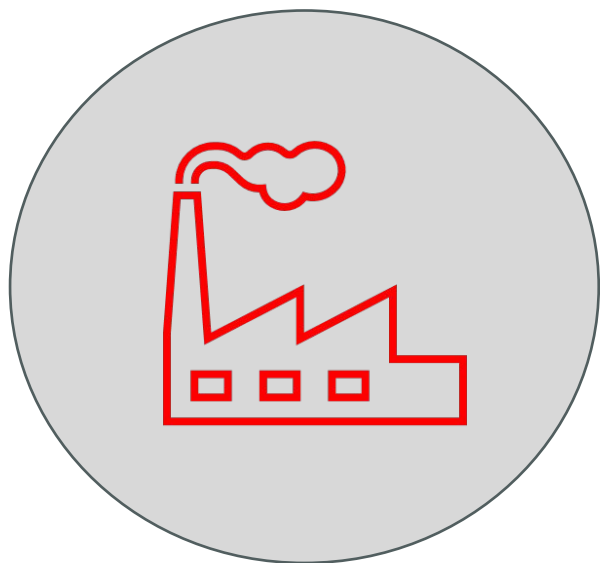
Source: Center for Social Inclusion





Chicago's Most Pressing Environmental Challenges

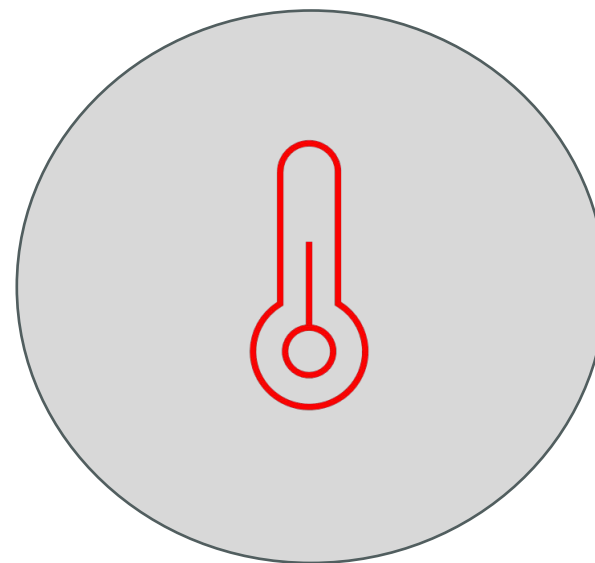
Legacy Pollution



Ongoing Pollution

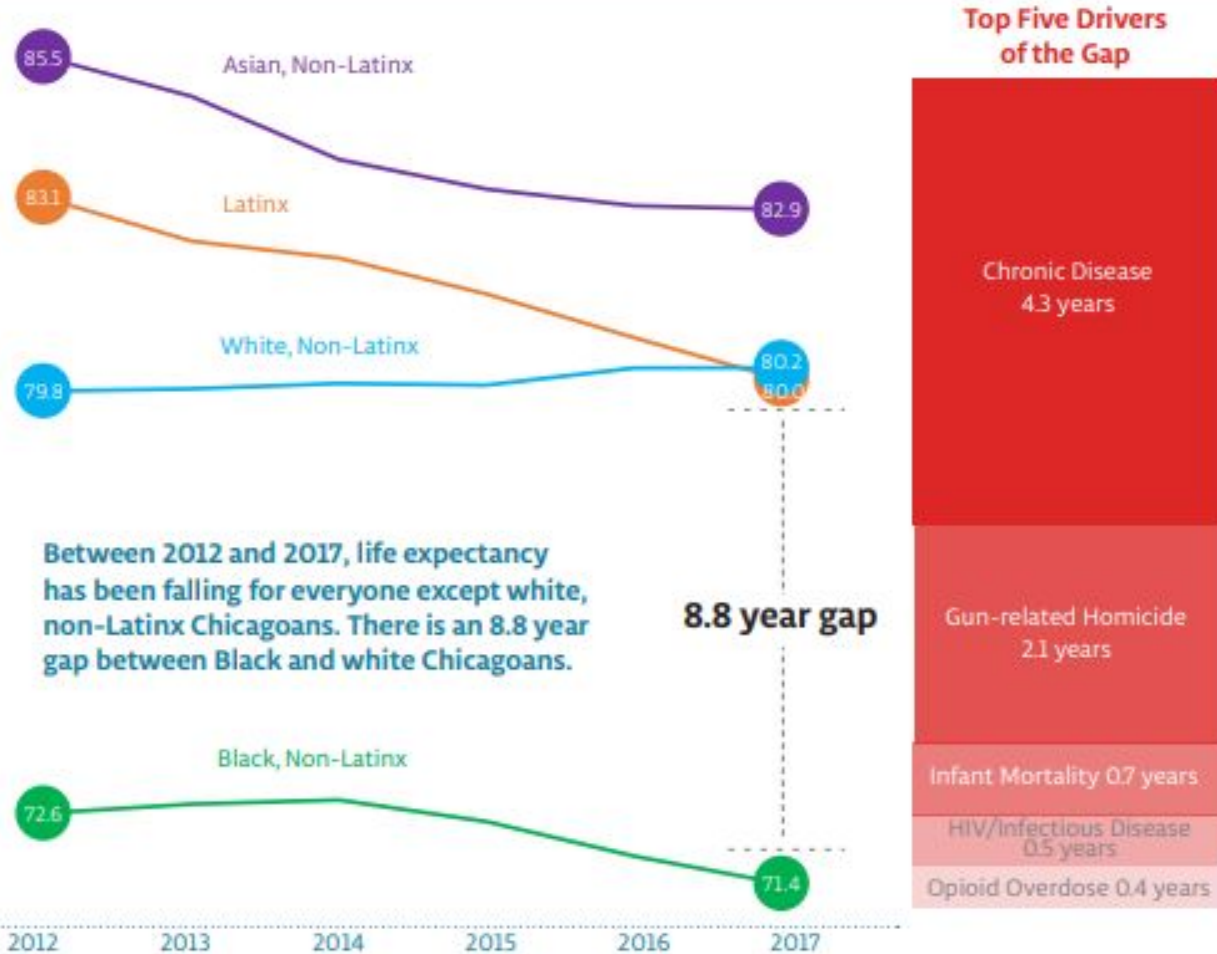


Climate Change



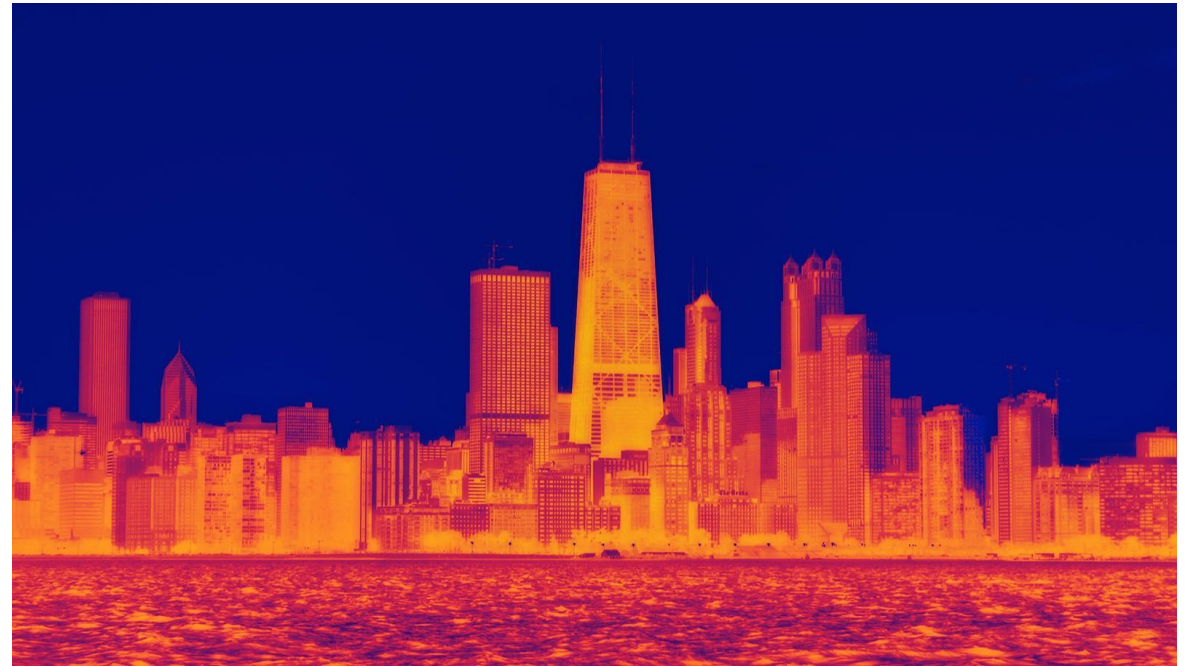
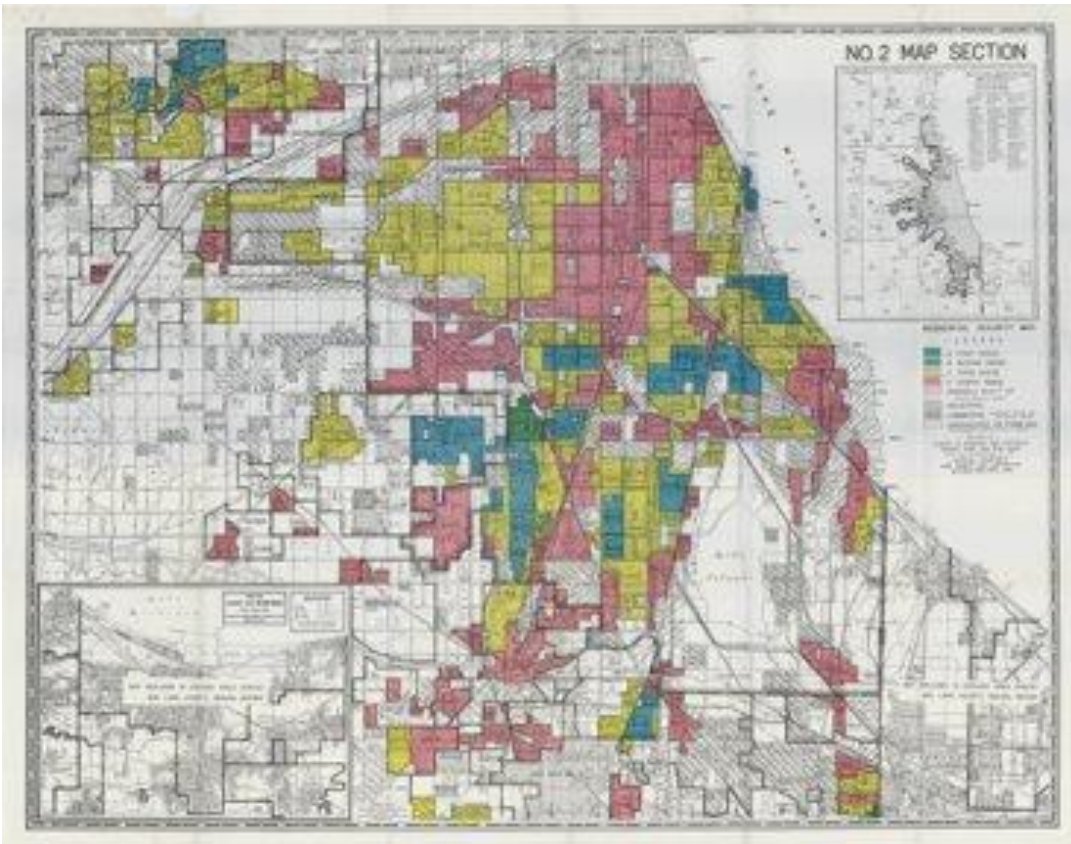
★ 9 Year Racial Life Expectancy Gap

CHICAGO'S LIFE EXPECTANCY GAP, 2017



Source: CDPH

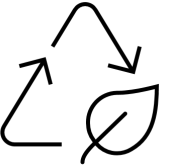
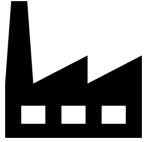
★ Climate Change in Chicago



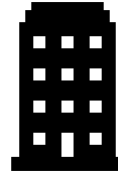
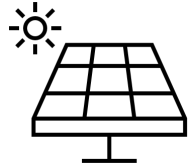
Source: Flickr / Dustin Phillips



Reaffirming our Commitment to Climate Change Mitigation



100% Renewable Energy for Municipal Buildings by 2025



100% Bus Electrification by 2040

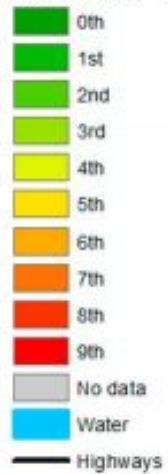
100% Renewable Energy for City-Wide by 2035



Air Quality and Health Index, Chicago 2020

The Air Quality + Health Index combines community-level data on air pollution, health, and social factors to identify the areas in our city that are most vulnerable to the effects of air pollution. Census block groups in green are less vulnerable, while block groups in red are more vulnerable.

Air Quality + Health Index Deciles



Sources:
US EPA EJScreen
American Community Survey
US CDC 500 Cities
IDPH Vital Statistics
Various years combined, 2011-2018

Created by Office of Epidemiology,
Chicago Department of Public Health, January, 2020

Source: CDPH





Air Quality and Health Reform Agenda

Environmental Equity Working Group: The City will convene a board of community representatives, environmental leaders, and other local stakeholders who will advise the reform agenda.

Industrial Business Rule Reform: Review and revision of other operating rules for industrial businesses

Cumulative Burden Analysis: Development of an ordinance requiring new and more stringent permitting requirements to prevent cumulative burdens from disproportionately affecting certain neighborhoods.

Enforcement and Inspection Reform: Evaluation and updates to the current processes.

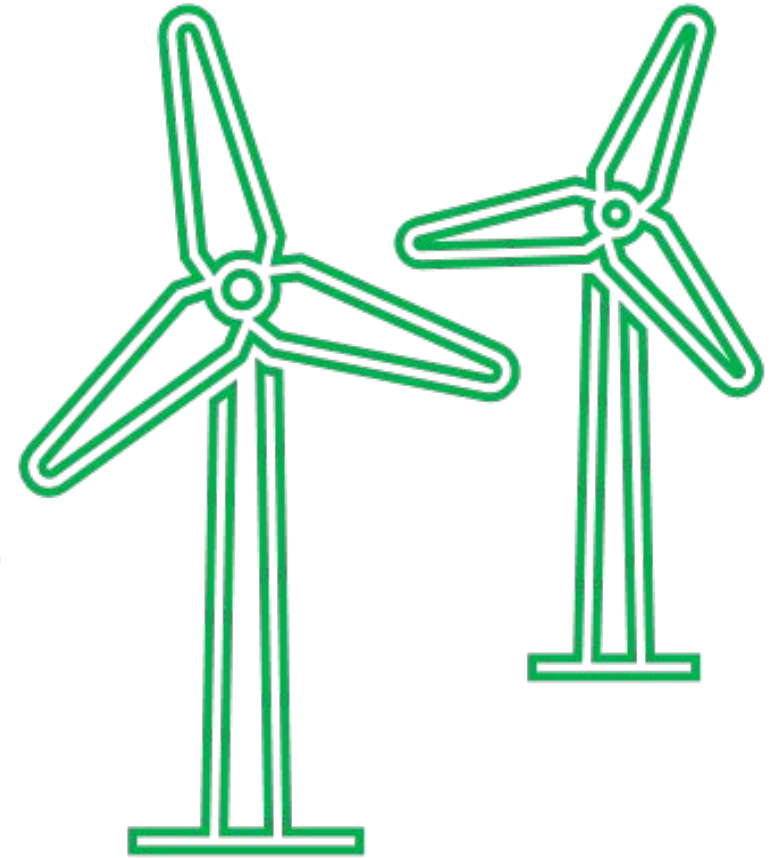


Air Quality Zoning Ordinance

- **Eliminates** certain uses from City limits, including mining, landfills, and incinerators;
- **Reclassifies** certain uses from of-right to special-use, which requires approval by the Zoning Board of Appeals, including:
 - Intensive manufacturing
 - Warehousing
 - Container storage
 - Freight terminal
- **Requires** planned development review and approval for large industrial uses, if those uses are within 660 feet of any residential, business, or commercial district or if the site exceeds 10 acres

★ 100% RENEWABLE ENERGY RFP

1. A Minimum Requirement for New Renewable Energy Projects
2. Contract Flexibility to Allow for Separable Power Purchase Agreements (PPAs)
3. Integrated Evaluation of Local Economic Development and Equity Benefits





Pathway to a Just Clean Energy Transition



Source: Bloomberg Business 2016

<i>Category</i>	<i>Description</i>	<i>Information / Data to be Completed</i>
Community benefit and involvement	Value of the proposed community benefit initiatives that benefit Chicago	<i>Dollar Value</i>
New Build Renewable Generation Siting – Within Chicago	Portion of new build capacity that will be located within Chicago	MWs of new build capacity
New Build Renewable Generation Siting – Within Chicago	Portion of new build capacity that will be located within PJM territory within IL, not including Chicago	MWs of new build capacity
Local Supply Chain	Revenue to Chicago local suppliers of goods and services related to New Build Renewable Generation	Dollar value
Local Long-Term Jobs	Estimated number of long-term jobs within Chicago associated with New Build Renewable Generation, based on full-time equivalency	Quantity
Local Short-Term Jobs	Estimated number of short-term jobs within Chicago associated with New Build Renewable Generation, based on full-time equivalency	Quantity of jobs and total labor hours
In-State Long-Term Jobs	Estimated number of long-term jobs within Illinois, not including Chicago, associated with New Build Renewable Generation, based on full-time equivalency	Quantity
In-State Short-Term Jobs	Estimated number of short-term jobs within Illinois, not including Chicago, associated with New Build Renewable Generation, based on full-time equivalency	Quantity of jobs and total labor hours
Diversity in Retail Supply Company	Quantity and percentage of women and minorities in ownership, leadership, and senior management positions for the retail supply company	Quantity and percent
Diversity in Developer Companies	Quantity and percentage of women and minorities in ownership, leadership, and senior management positions for the developer companies	Quantity and percent



Thank You!

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Source: Reddit / PantonePat

