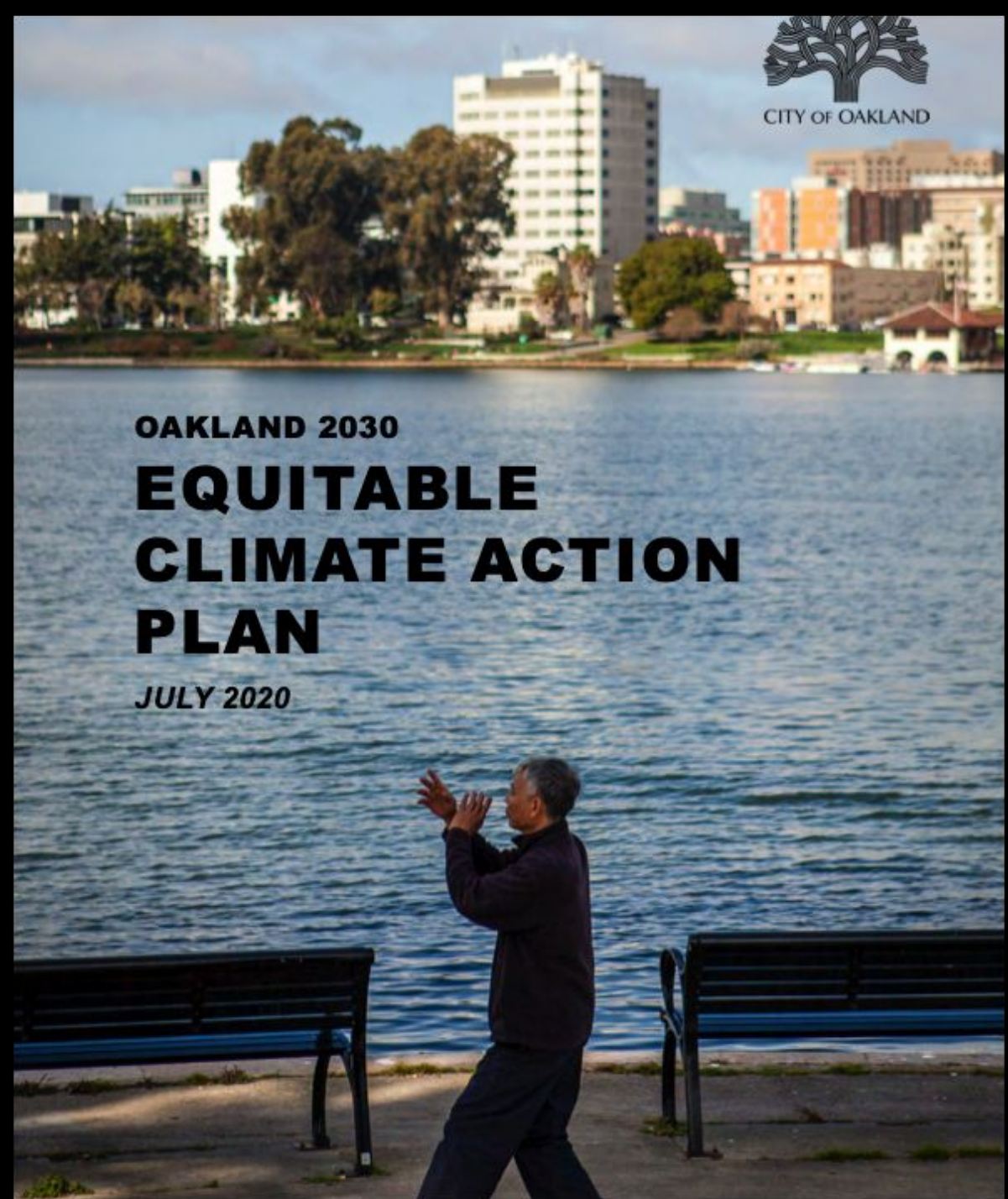


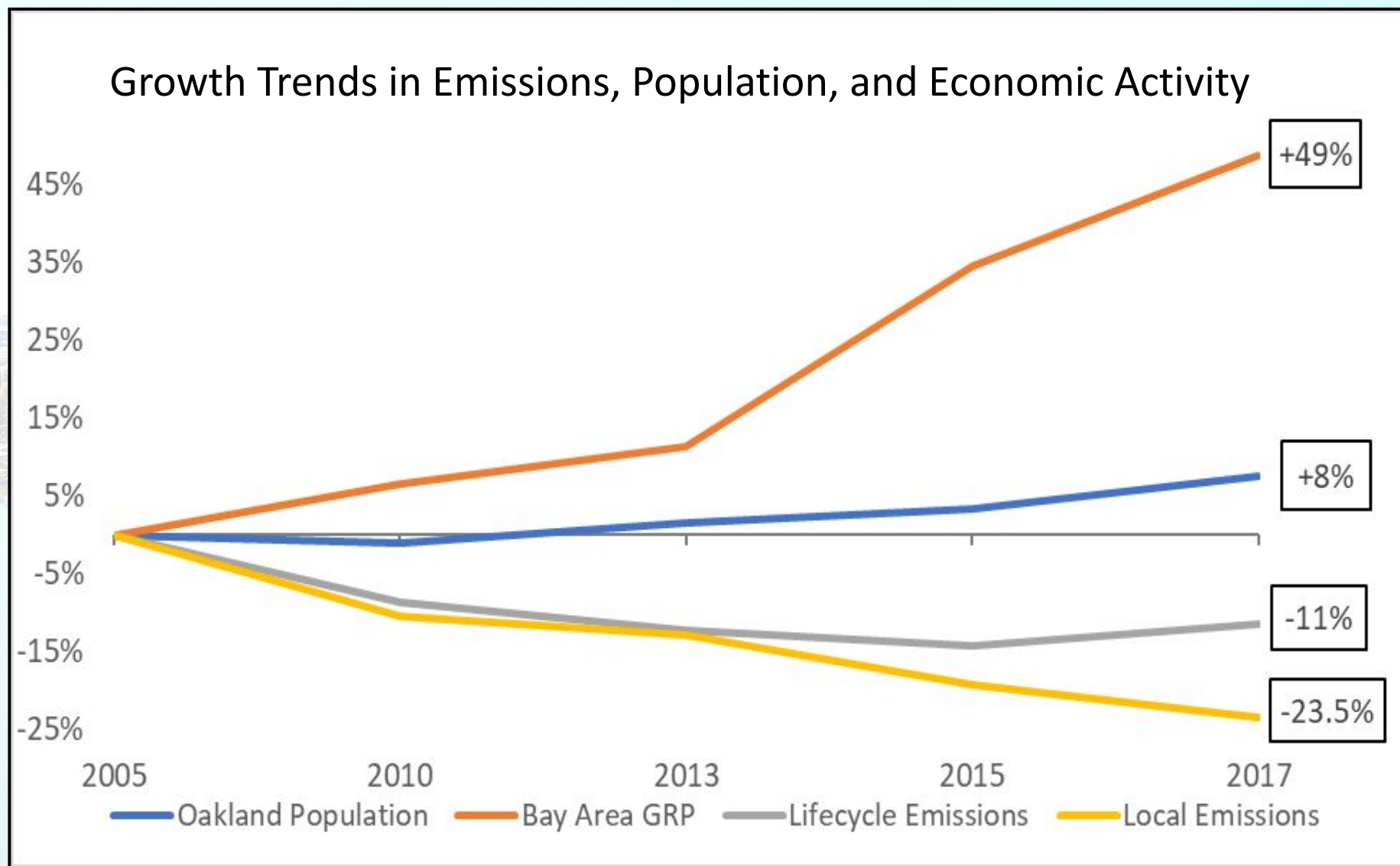
**An Overview of the
2030 Equitable Climate
Action Plan**
+ related targets and progress

July 28, 2020

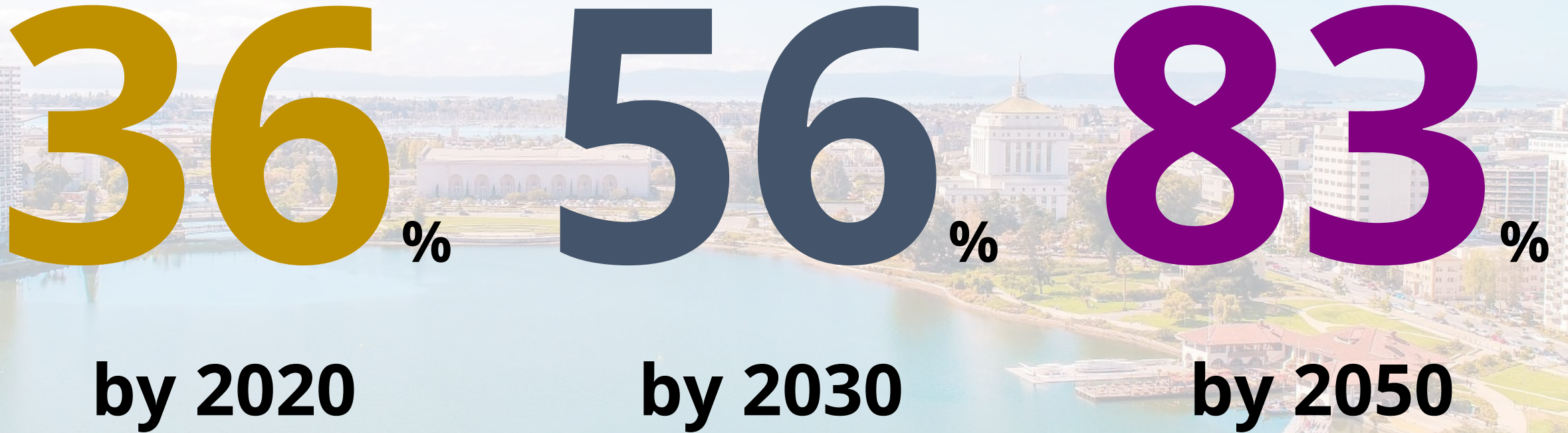
*Oakland Public Works , Environmental
Services Division*



Tracking Oakland's Emissions Over Time



Oakland City Council has set ambitious greenhouse gas (GHG) Emission Reduction Targets*:



* All targets are relative to 2005 emission levels. Progress is measured using the City's biannual GHG Emissions Inventory

Additional Council actions set the stage for greater climate ambition centered on equity & justice:

- Formation of Department of Race and Equity (2016)
- Adopt 2030 GHG reduction target & “engage the most heavily impacted neighborhoods in community-driven process” (2018)
- Establish the ECAP ad hoc Community Advisory Committee (2018)
- Climate Emergency & Just Transition Resolution (2018)
- Green New Deal Resolution (2019)

Social, Racial, & Economic Equity

Oakland 2030 ECAP

How do we **STOP** Climate Change?

Local Emissions

Life Cycle Emissions

Carbon Removal

How do we **ADAPT** to Climate Change?

Resilient Infrastructure

Resilient Communities

Resilient Government

The 2030 ECAP will be the City's 10-year plan to reach Council's adopted target of reducing emissions by 56% and adapting to a changing climate, in ways that will increase equity and reduce racial disparities.

Five principles guided development of the ECAP, ensuring that the Plan is:

- ✓ Equitable
- ✓ Ambitious
- ✓ Realistic
- ✓ Balanced
- ✓ Adaptive



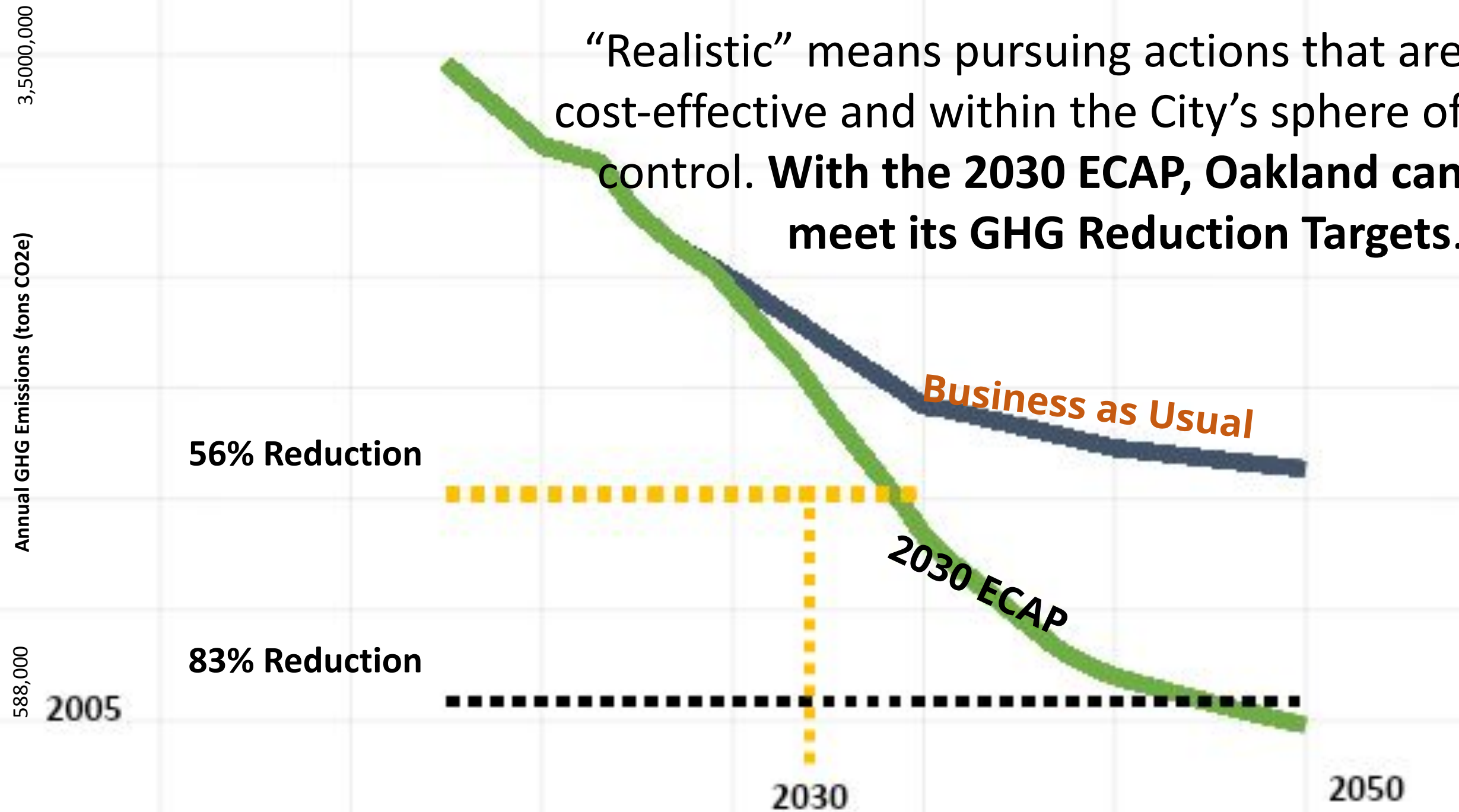
Equity in Climate Action

Many ECAP themes are critical to increasing equity in our city:

- Environmental Justice
- Civic Engagement
- Housing Security
- Public Health
- Green Jobs
- Resilience
- Food



“Realistic” means pursuing actions that are cost-effective and within the City’s sphere of control. **With the 2030 ECAP, Oakland can meet its GHG Reduction Targets.**



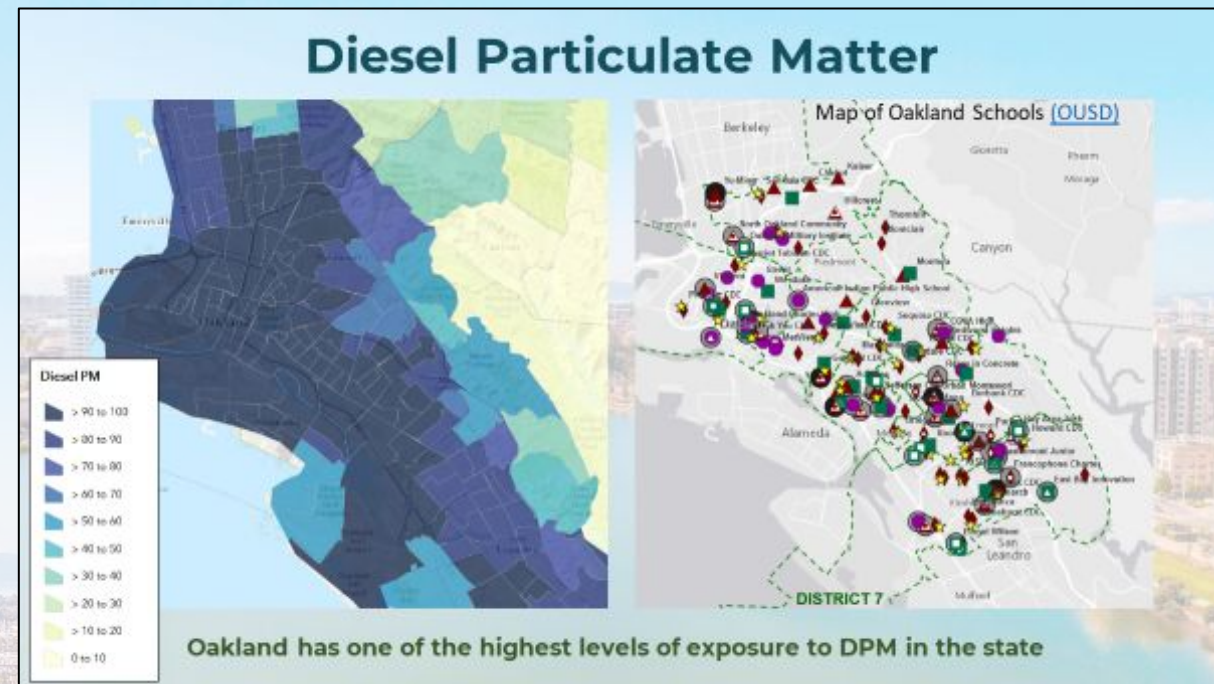
Developing the ECAP

- 8 Community Workshops
- Climate Equity Work Days
- Stakeholder meetings
- Pop-Up Engagement
- Online Survey
- Online portal
- Social media
- Online draft
- 2 Town Halls



Embedding Equity in the Plan:

- Data-Driven Analysis
- Iterative drafting with **Equity Facilitator** and ad hoc **Community Advisory Committee**
- Oversight from Department of Race and Equity
- Racial Equity Impact Assessment + Implementation Guide



The ECAP's Seven Sections

- 1. Transportation & Land Use:** Reduce vehicle miles traveled through active mobility, public transit, vehicle electrification
- 2. Buildings and Energy:** Eliminate fossil fuels
- 3. Material Consumption & Waste:** Support circular economy, minimize single-use plastics, eliminate organics in landfill, reduce food insecurity

Continued...

ECAP Sections Continued

4. **Adaptation:** Increase community & facility resilience, increase green infrastructure, understand vulnerabilities
5. **Carbon Removal:** Increase urban forestry and carbon farming, explore other opportunities
6. **Port Leadership:** Reduce direct & indirect emissions
7. **City Leadership:** Reduce fossil fuel dependence, innovate through leadership, launch the Oakland Climate Action Network

Racial Equity Impact Assessment & Implementation Guide

Developed by Environmental / Justice Solutions, with support of OCAC & Blue Star Integrative Studio

- Preliminary Equity Screen
- Equity-based Key Performance Indicators (KPI's)
- Best practices in equitable engagement, including guidance for Oakland Climate Action Network



It doesn't happen without Community Leadership...



GRID Alternatives

ENVIRONMENTAL EQUITY

MARCH 2018

MOBILITY EQUITY FRAMEWORK

Greenlining Institute

HOW TO MAKE TRANSPORTATION WORK FOR PEOPLE



Original Scraper Bike Team



Food Shift

Achieving Carbon Neutrality by 2045

***Precedents:** California, Santa Clara County, Fremont, Mountain View, Petaluma*

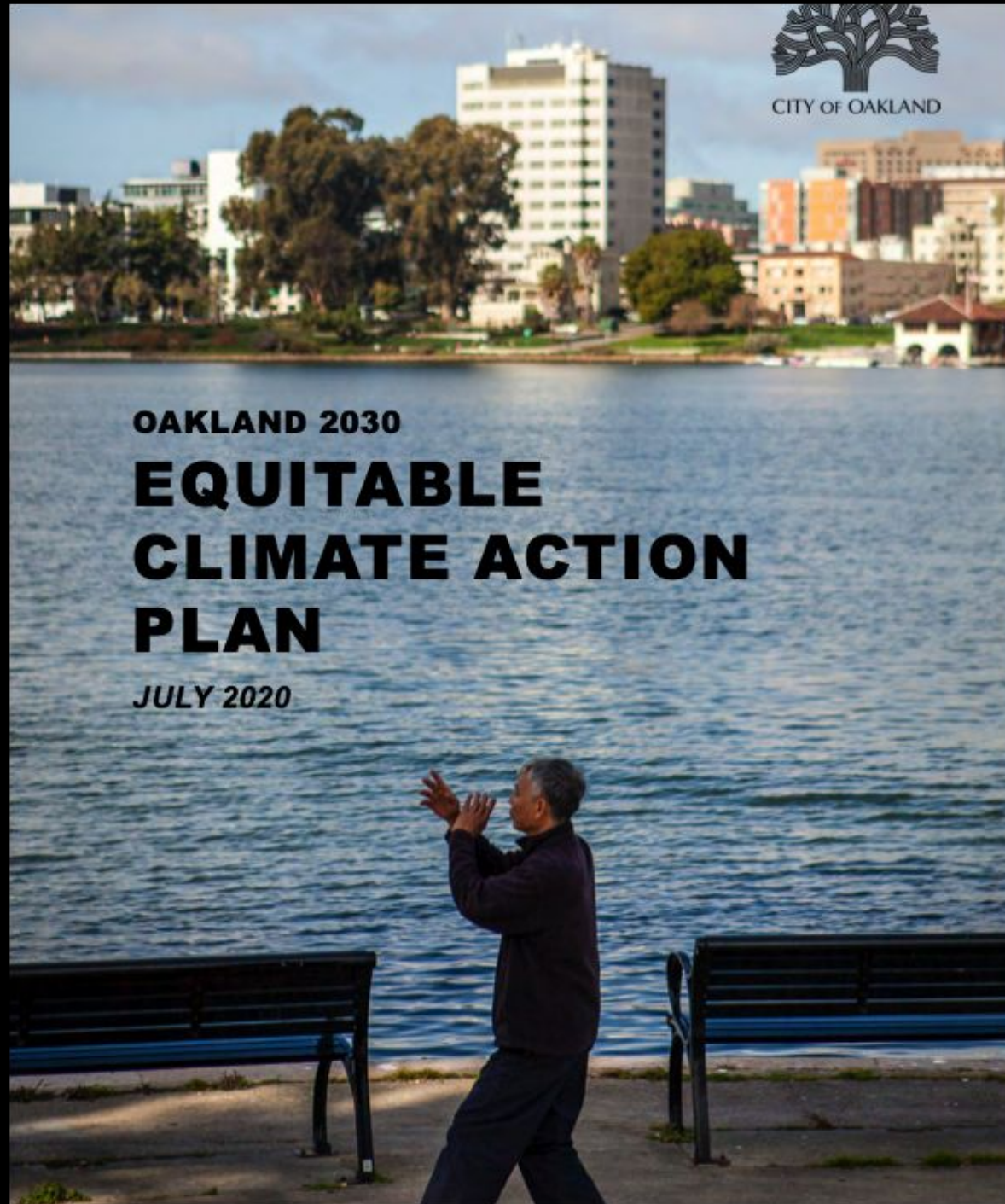
- 1. Transportation:** Reduce + electrify vehicles
- 2. Buildings:** Work with EBCE & others to electrify all buildings by 2040, ensuring energy efficiency and storage
- 3. Waste:** Zero organics to landfill
- 4. Carbon Removal:** Negative emissions 2045+ through urban forestry, proactive tree maintenance, and carbon farming

Thank you



OAKLAND 2030
EQUITABLE
CLIMATE ACTION
PLAN

JULY 2020



Ambitious: Prioritizing Deep Decarbonization

Preliminary analysis identified Five strategies* needed to reach our climate targets:

- Decarbonize the electric grid
- Eliminate fossil fuels from building heating
- Improve insulation & windows in buildings
- Move away from private auto trips
- Electrify all remaining vehicles



*Many more strategies are included in the ECAP. *How* to achieve them – crafting the specific Actions in the ECAP – was the subject of more than a year of analysis and community engagement.

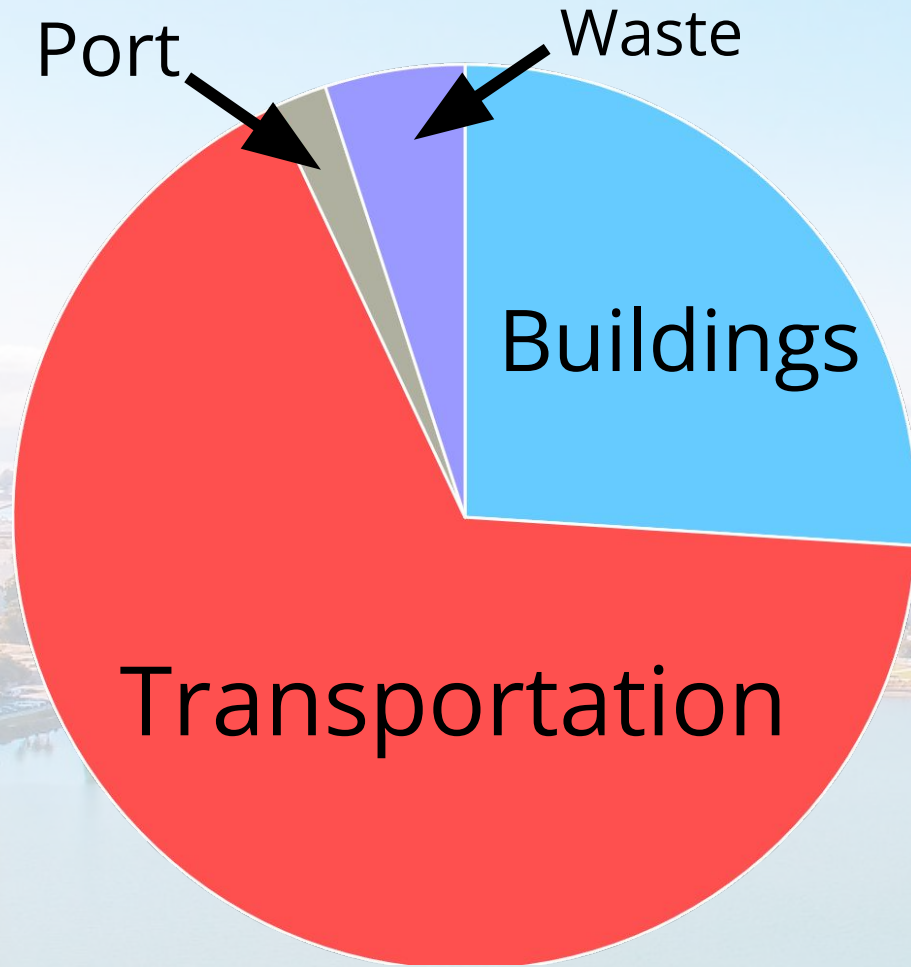


The City of Oakland tracks two types of GHG emissions:
Local Emissions and *Lifecycle Emissions*.

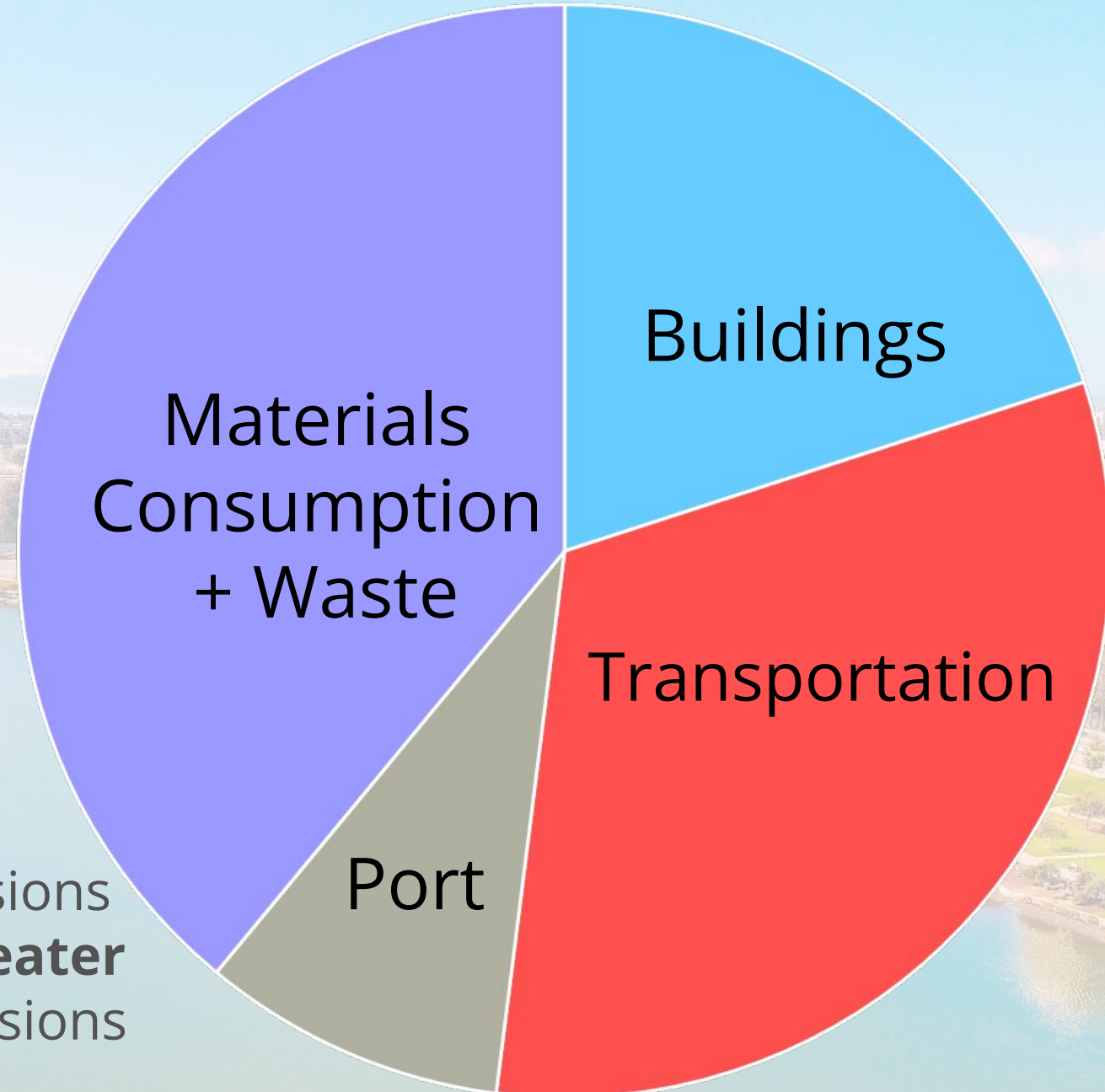
Local Emissions occur within the city – for example, the emissions from a car's exhaust pipe. **These emissions are the easiest to measure and the easiest to impact through City policy.**

Lifecycle Emissions include local emissions plus all emissions that occur throughout the world to support activities here. This includes mining and extraction of materials, manufacturing, packaging, and shipping. **These emissions are harder to measure, and are impacted by many factors outside of the City's control.**

LOCAL EMISSIONS



LIFECYCLE EMISSIONS



Lifecycle emissions
are **3 times greater**
than local emissions