Municipal Data in Action

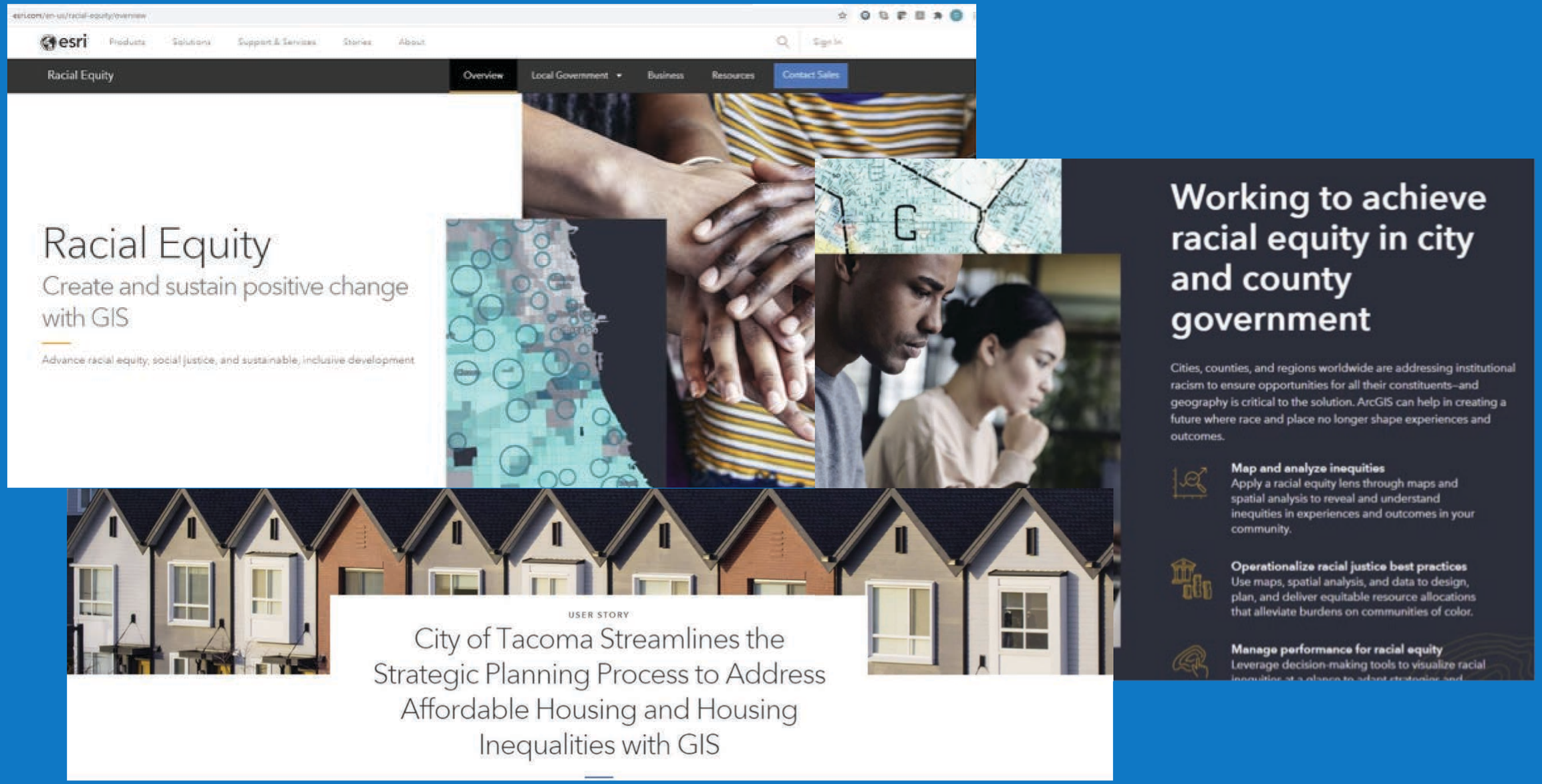
2021 League of California Cities Conference and Expo

Sept. 24, 2021
Sacramento, CA

Dan Henderson

Esri California

Data and Analytics Driven Decisions


esri
Products
Solutions
Support & Services
Stories
About
Sign In
Racial Equity
Overview
Local Government
Business
Resources
Contact Sales
Racial Equity
Create and sustain positive change with GIS
Advance racial equity, social justice, and sustainable, inclusive development
Working to achieve racial equity in city and county government
Cities, counties, and regions worldwide are addressing institutional racism to ensure opportunities for all their constituents–and geography is critical to the solution. ArcGIS can help in creating a future where race and place no longer shape experiences and outcomes.
Map and analyze inequities
Apply a racial equity lens through maps and spatial analysis to reveal and understand inequities in experiences and outcomes in your community.
Operationalize racial justice best practices
Use maps, spatial analysis, and data to design, plan, and deliver equitable resource allocations that alleviate burdens on communities of color.
Manage performance for racial equity
USER STORY
City of Tacoma Streamlines the Strategic Planning Process to Address Affordable Housing and Housing Inequalities with GIS

esri
THE SCIENCE OF WHERE
SEE WHAT OTHERS CAN'T

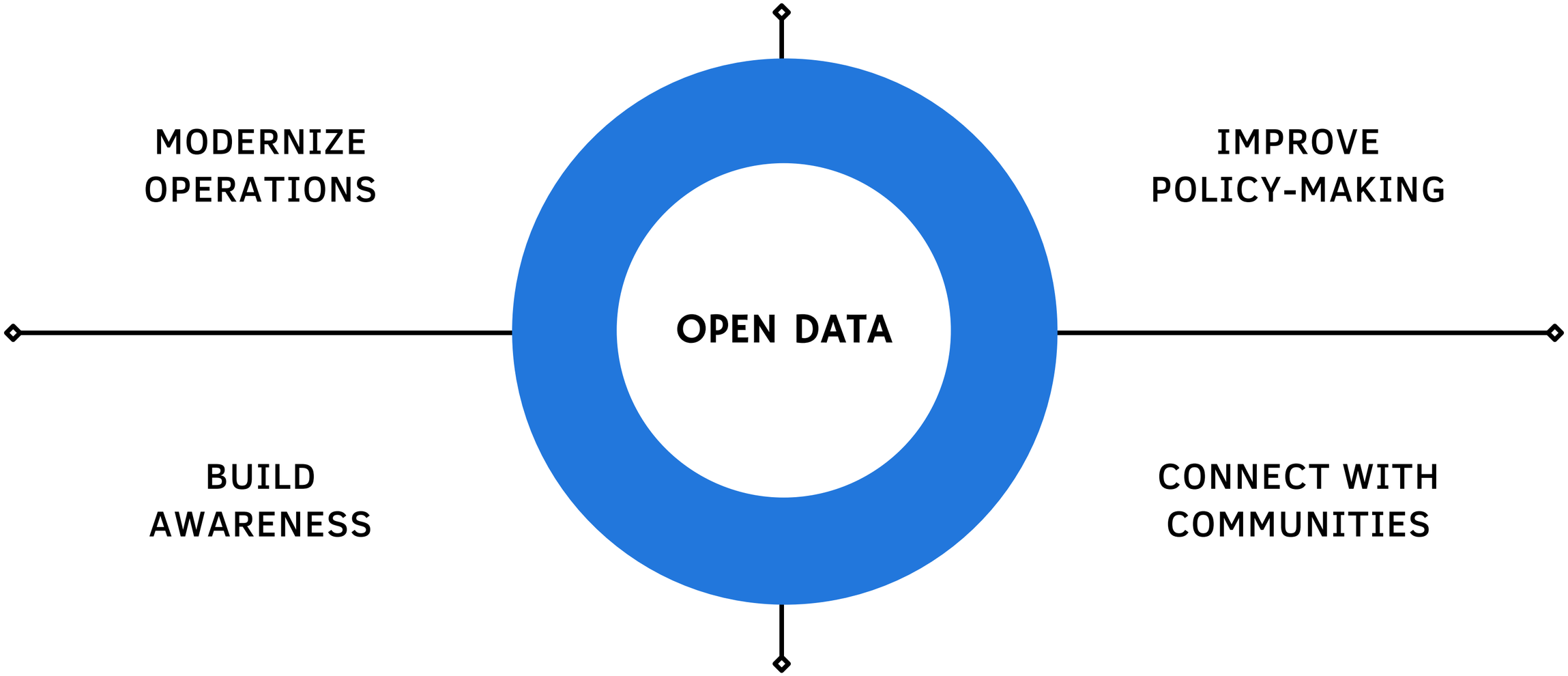
Ron Galperin

L.A. Controller

The Los Angeles City Controller is the taxpayers' watchdog, who oversees finances, spending and operations.

Paymaster, Auditor, Chief Accounting Officer

Role of Data in Local Government

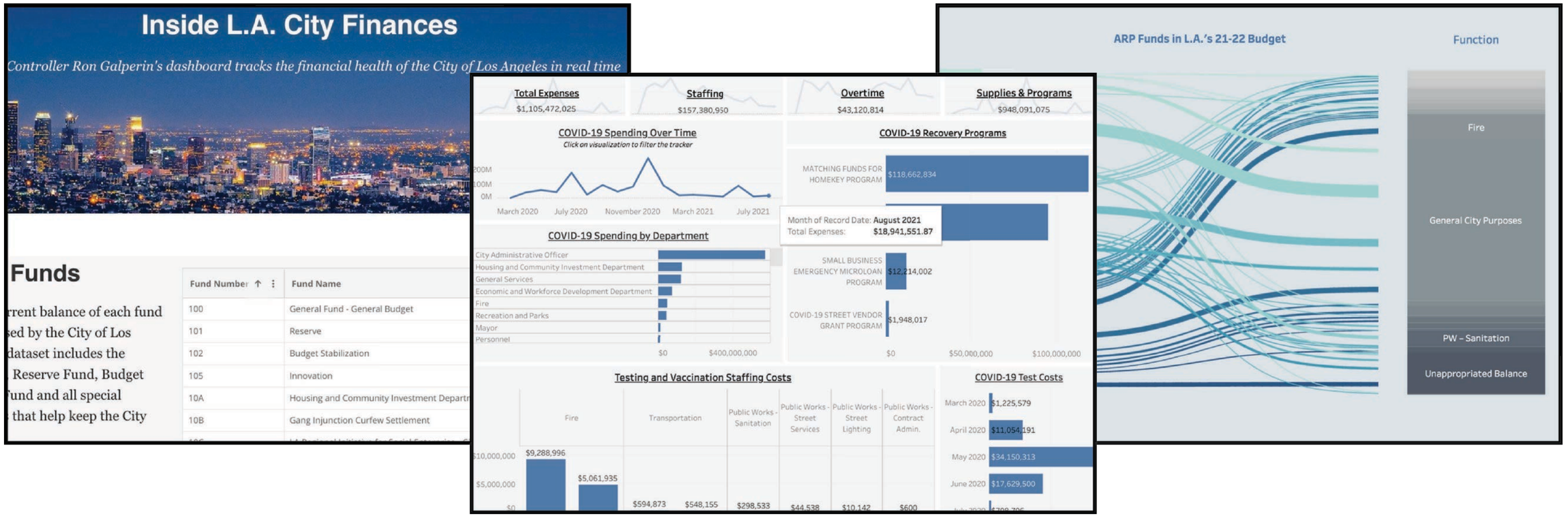


Municipal Data in Action

Transparency and Accountability

CITY FINANCES DASHBOARD

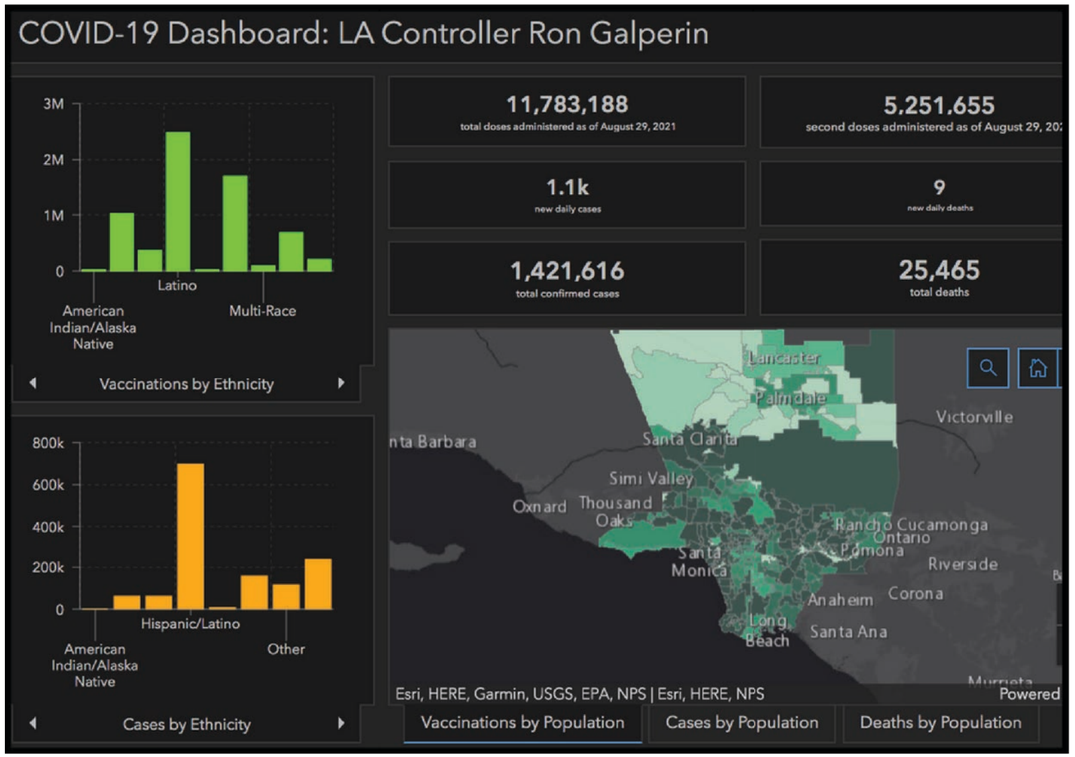
ARP DATA STORY



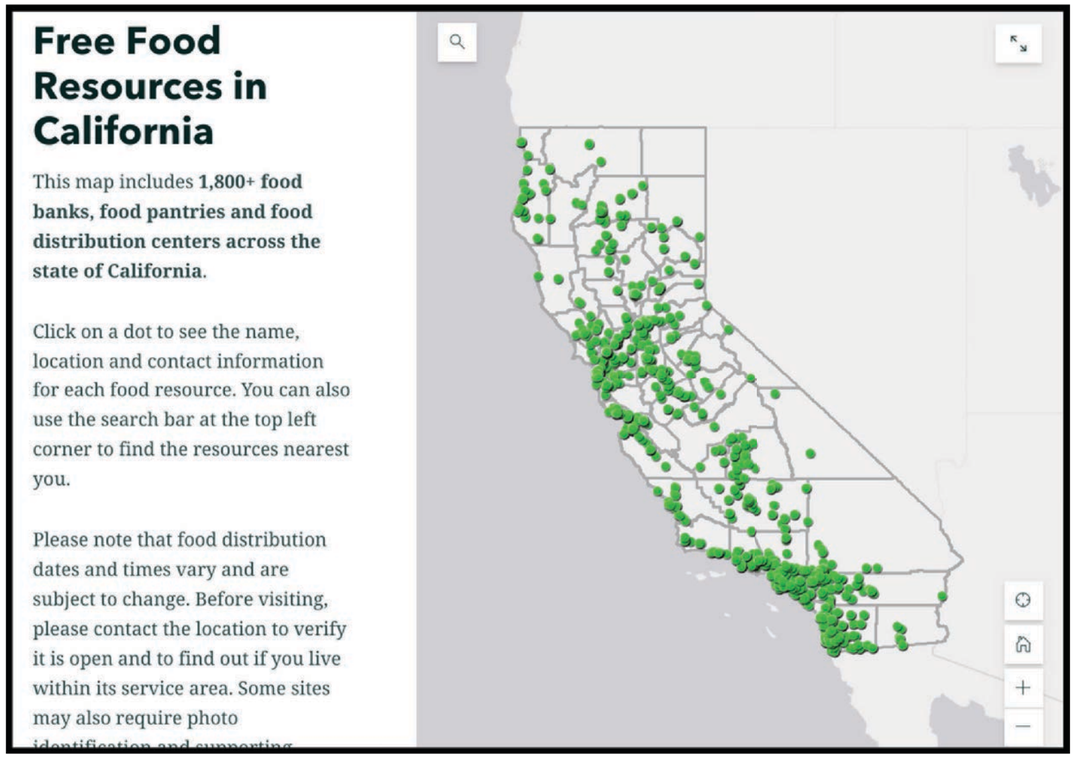
COVID SPENDING TRACKER

Connecting with Resources

COVID RESOURCE HUB

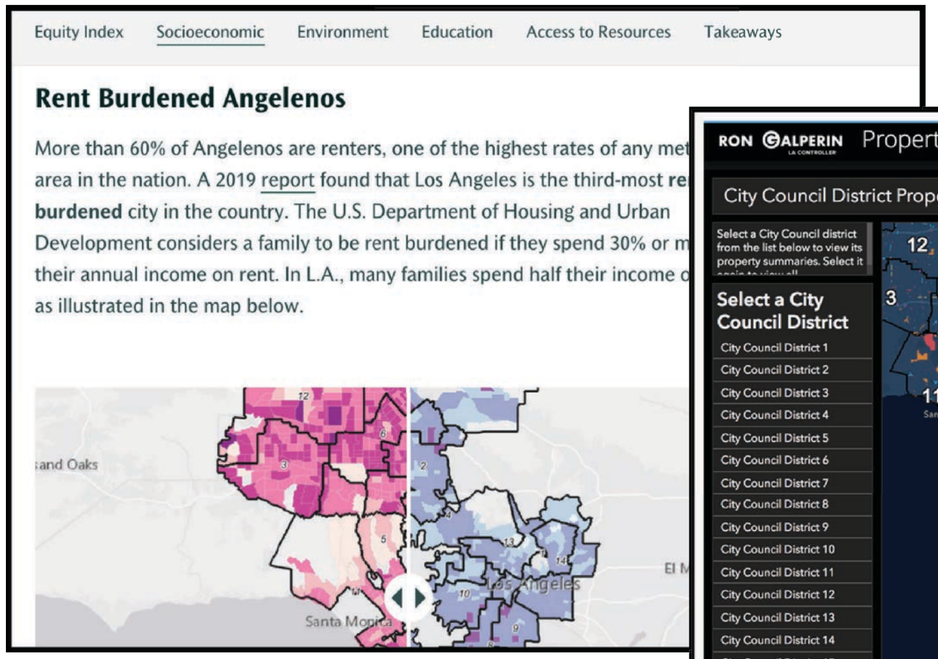


STATEWIDE FOOD MAP

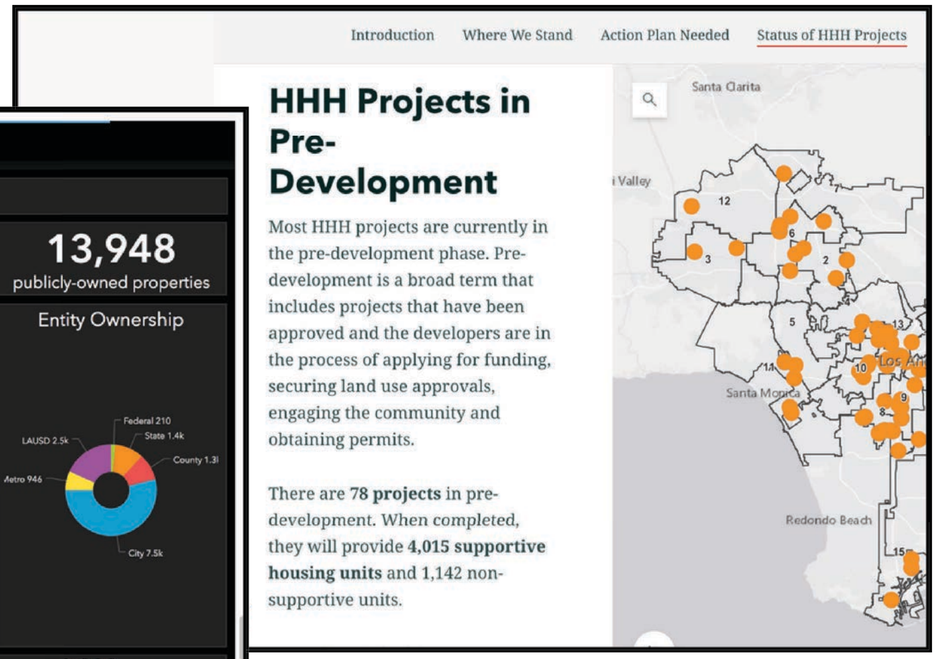


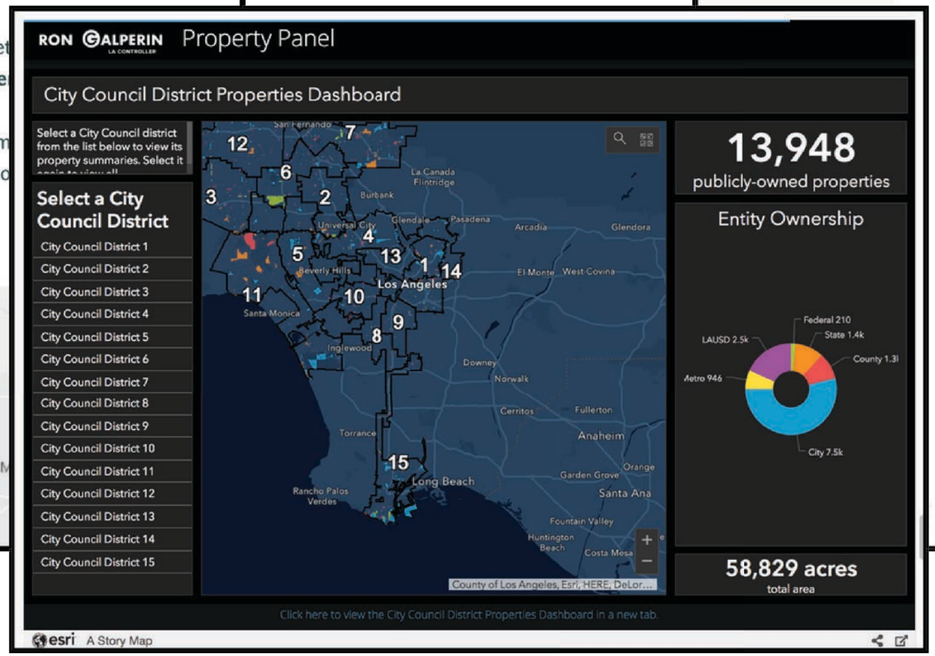
Informing Policy

EQUITY INDEX



HHH PROGRESS TRACKER

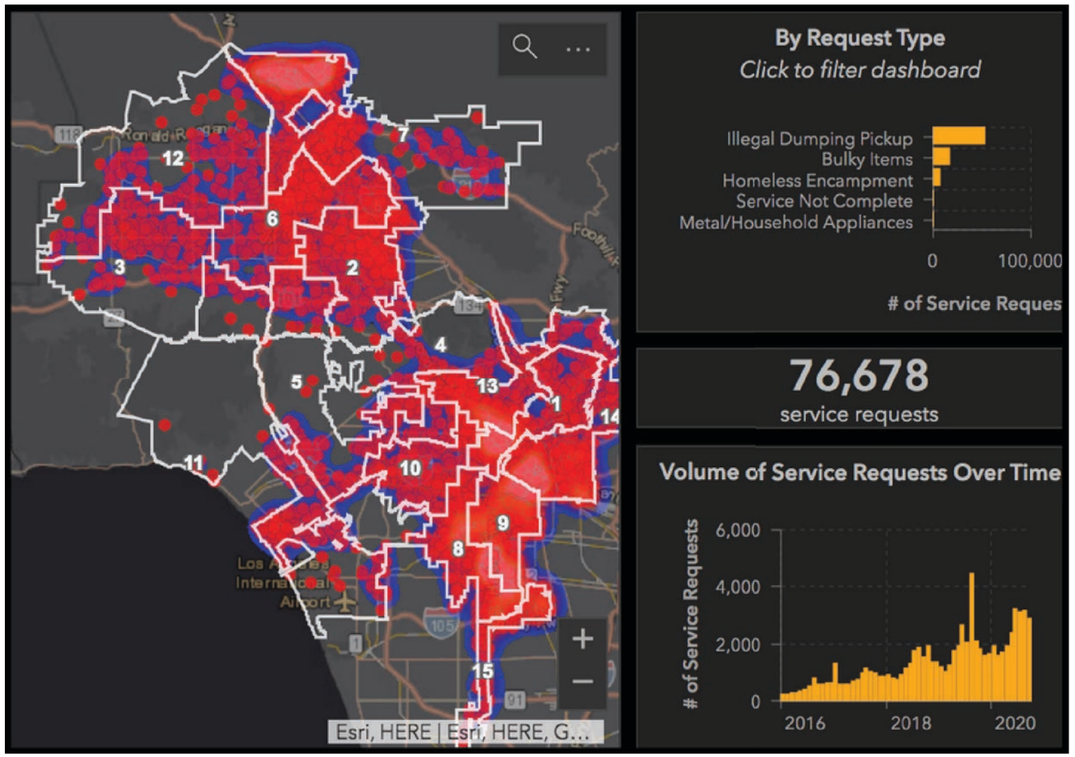




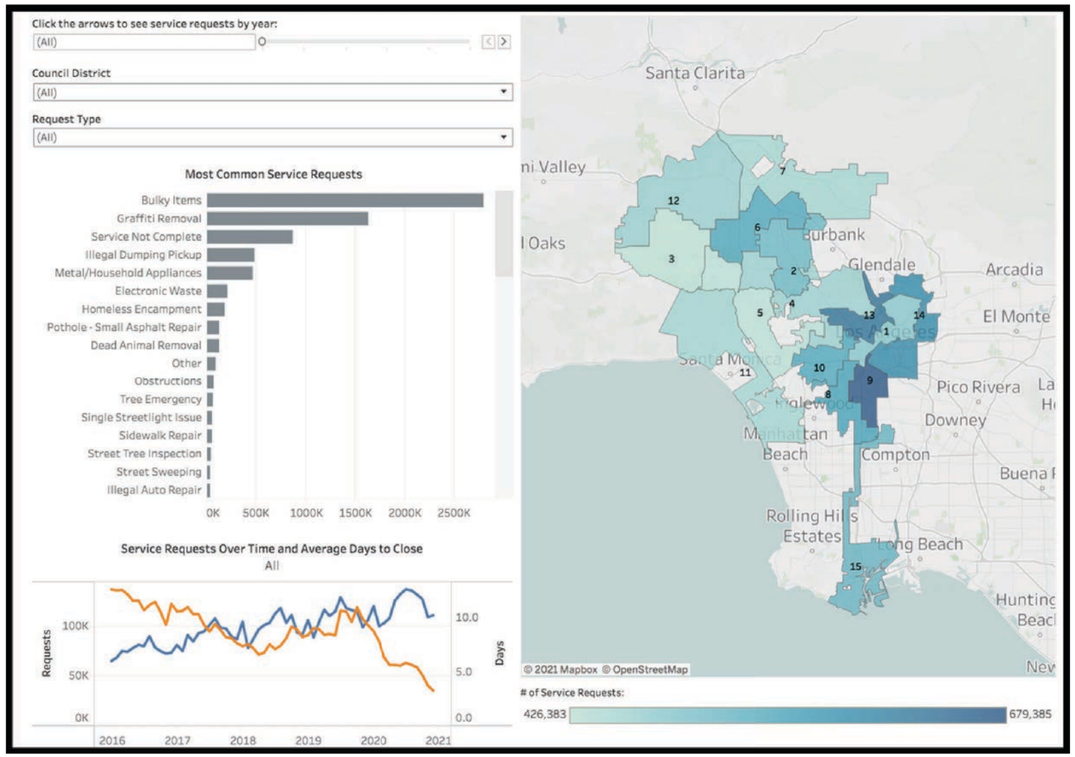
PROPERTY PANEL

Improving Services

ILLEGAL DUMPING DASHBOARD



311 DASHBOARD



What's Next?

Data

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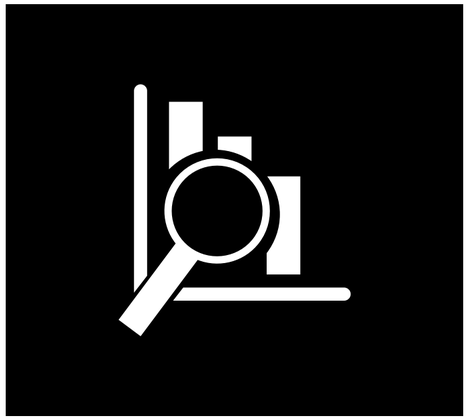

Analysis

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Political Will

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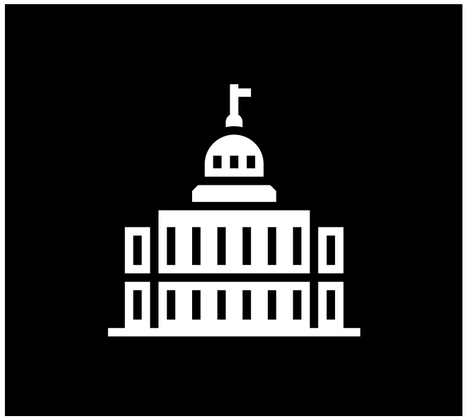


GOOD GOVERNMENT

Thank You

RON GALPERIN
LA CONTROLLER

@lacontroller | lacontroller.org

Eric Guerra

Councilmember
City of Sacramento

How We Use Data to Inform Decisions

Everyday the Sacramento City Council makes decisions that affect the lives of our citizens.

Our City Council determines which policies to enact and what public problems to address.

Different City departments establish how programs should be run and where the budget dollars are best spent, as well as who qualifies for assistance.

Sacramento Open Data Portal

- The Sacramento Open Data Portal, is primarily used for the routine management of programs and services—to make strategic data-informed decisions.
- Analysts can uncover important insights by cross-referencing data sets, highlighting trends, finding correlations, running statistical experiments, mapping geographical data to show areas of high activity, and visualizing data in charts and graphs.
- The Open Data Portal information can include any data that is necessary to implement and oversee a program, such as demographics, outcomes, and enrollment details.
- Data from this portal can reveal the root cause of a persistent issue, diagnose breakdowns in a system, highlight obstacles, and predict future phenomena, allowing us to be better to a problem and make more strategic decisions.

311 Customer Service Help Center

- Whether it's leaf pickup, street sweeping or drinking water, Sacramento is a leader in providing quality customer service.
- Sacramento City 311 enhances these amenities by making City government even more accessible.
- Sacramento City 311 is a centralized call center for the City of Sacramento that is intended to make life a little easier for its residents, businesses and visitors.
- Anyone within the Sacramento City limits can call 311 free of charge from a land-line telephone or cable line. 311 works on most cell phones as well. Cell coverage is determined by individual service providers.
- Launched in 2008, 311 logs over 500,000 interactions every year. Equating to one report per Sacramento Resident.

How it Works

311 CUSTOMER SERVICE

1 REPORT

You report an issue or submit a service request through the 311 hotline or Sac311 phone application.

2 REVIEW

Dispatchers will review your request and assign it to the appropriate City department for response.

3 WE'RE ON IT

Our work is underway. Estimated times to complete work may vary by type of service request.

4 CHECK UPDATES

Log in or create an account to track your service request submissions on Sac311.

Redistricting Sacrameto

- Using citizen-powered mobile apps (311) and state-of-the-art geographic information systems (GIS), the City of Sacramento is enabling our biggest stakeholders and residents — to play an active role in making cities smarter, and more efficient.

- These tools are also giving city officials an unparalleled level of insight not only into what is happening throughout their communities, but also where and why.

Redistricting and Data

Sacramento Independent Redistricting Commission

July 2021 redistricting mapping application with practice data will be available to the public. This database will house all redistricting input as it comes in from the public.

On September 30, 2021, 2020 Census Redistricting data will be released and will be uploaded to the mapping application for public access.

Public engagement will increase transparency, neighbors will be able to look at the same public input City Council member will have at their disposal.

How and where districts are drawn can shape communities' ability to elect the representatives of their choice.

Districts must be made as equal in population as practicable so that communities have equal access to political representation.

Racial Equity

- Racial and economic inequality are the defining issues of our time. Solving homelessness and creating jobs, during a pandemic disproportionately affects the health and livelihoods of ethnic minorities.
- Data that is broken down by race, gender and ethnicity is essential in improving Racial Equity in Sacramento.
- Leveraging GIS to understand racial equity in our city help us understand and make equitable decisions.
- Using GIS provides us with a better understanding of issues within our city.

Racial Equity and Data

The City of Sacramento is using geographic information system (GIS) to address institutional racism and ensure opportunities for all our constituents.

By using mapping and geographic analysis we can uncover and understand inequalities in our communities. This will aid the City Council in allocating equitable resources that will assist communities of color.

Criminal Justice Inequalities: arrest rates, sentencing, police violence

Economic Inequality: income, education, access to infrastructure (transportation, internet)

Health Inequalities: reduction in quality of care, unhealthy levels of exposure, public health distrust, mental health

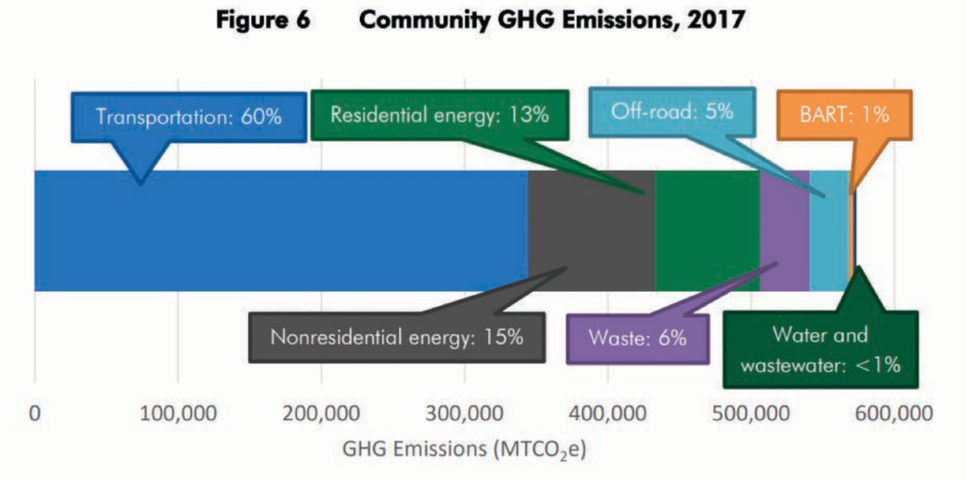
Social Justice: access to housing, hate crimes and speech, voting representation

Ramya Sankar

Innovation and Technology Analyst
City of San Leandro

Data is…

- **Informative-baseline for current state**
- **Indicator-alert when something is wrong**
- **Predictor-patterns for when action is needed**



So What?

What is the data telling us?

Why should we care?

How can the data help us make decisions?

Examples from San Leandro

Covid-19 and Communications

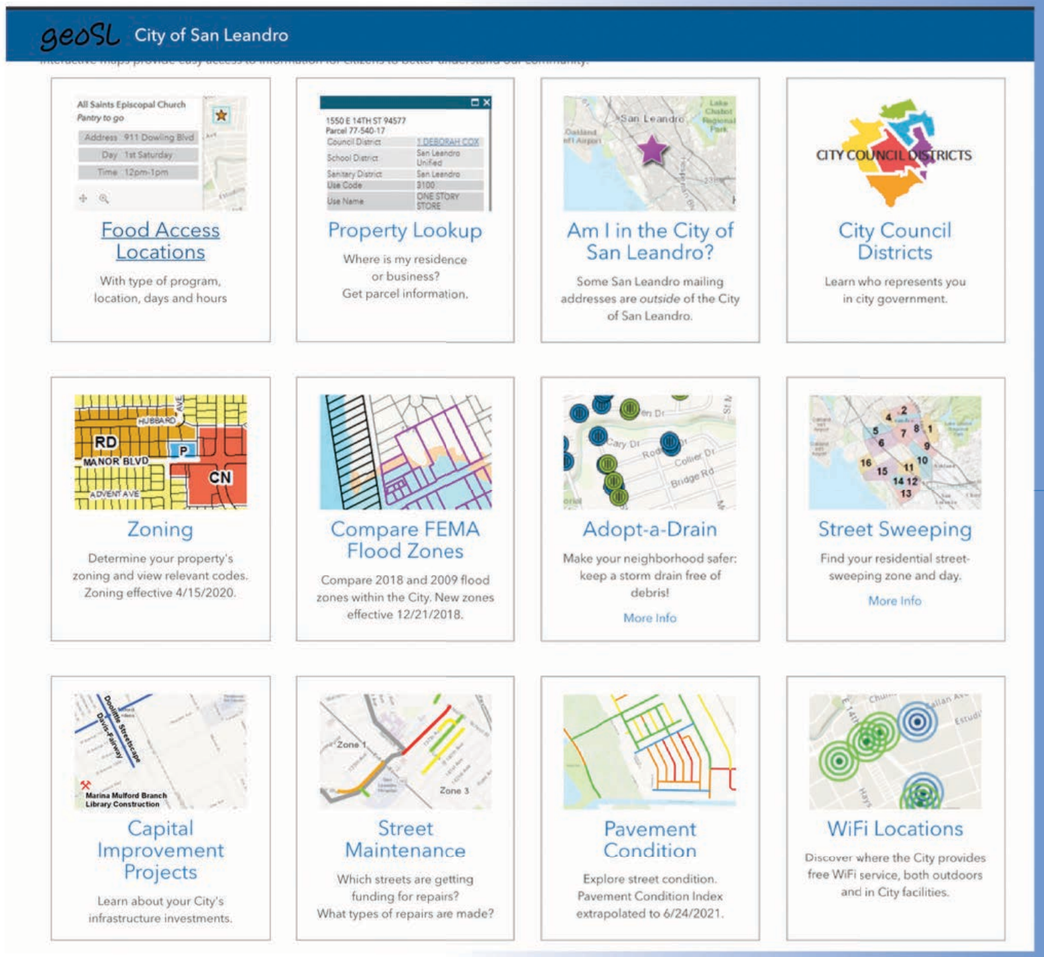
- Pandemic created a lot of unknowns
- Information needed to be shared quickly and accurately
- Information about resources originating from community organizations and school districts across the City

GeoSL

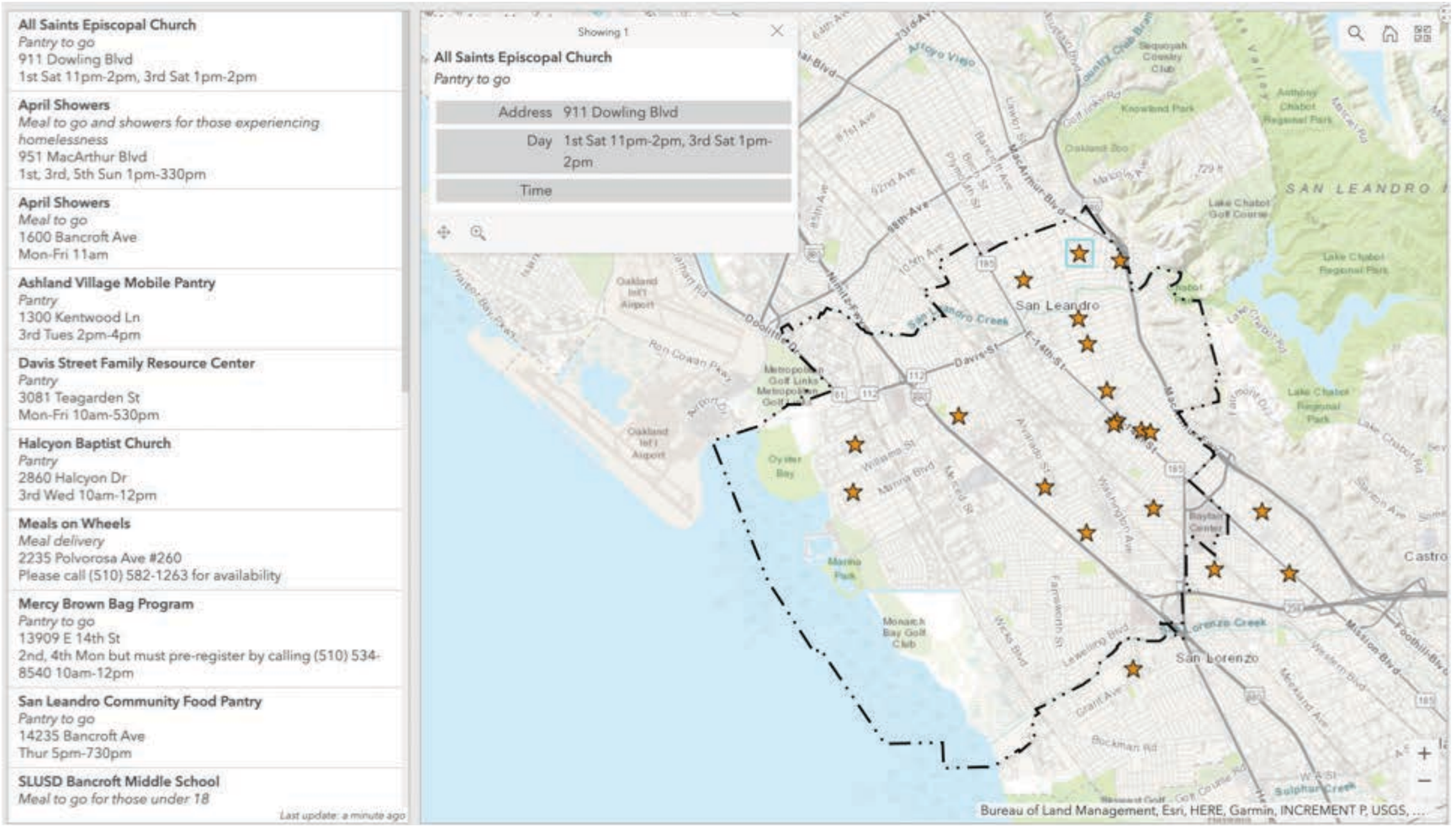
Online portal for data and maps including frequently requested information

Goal: Connection to Resources

Challenge: Organizations across the City providing resources



Food Access Map



Transparency

What is happening around me?

Request for service status

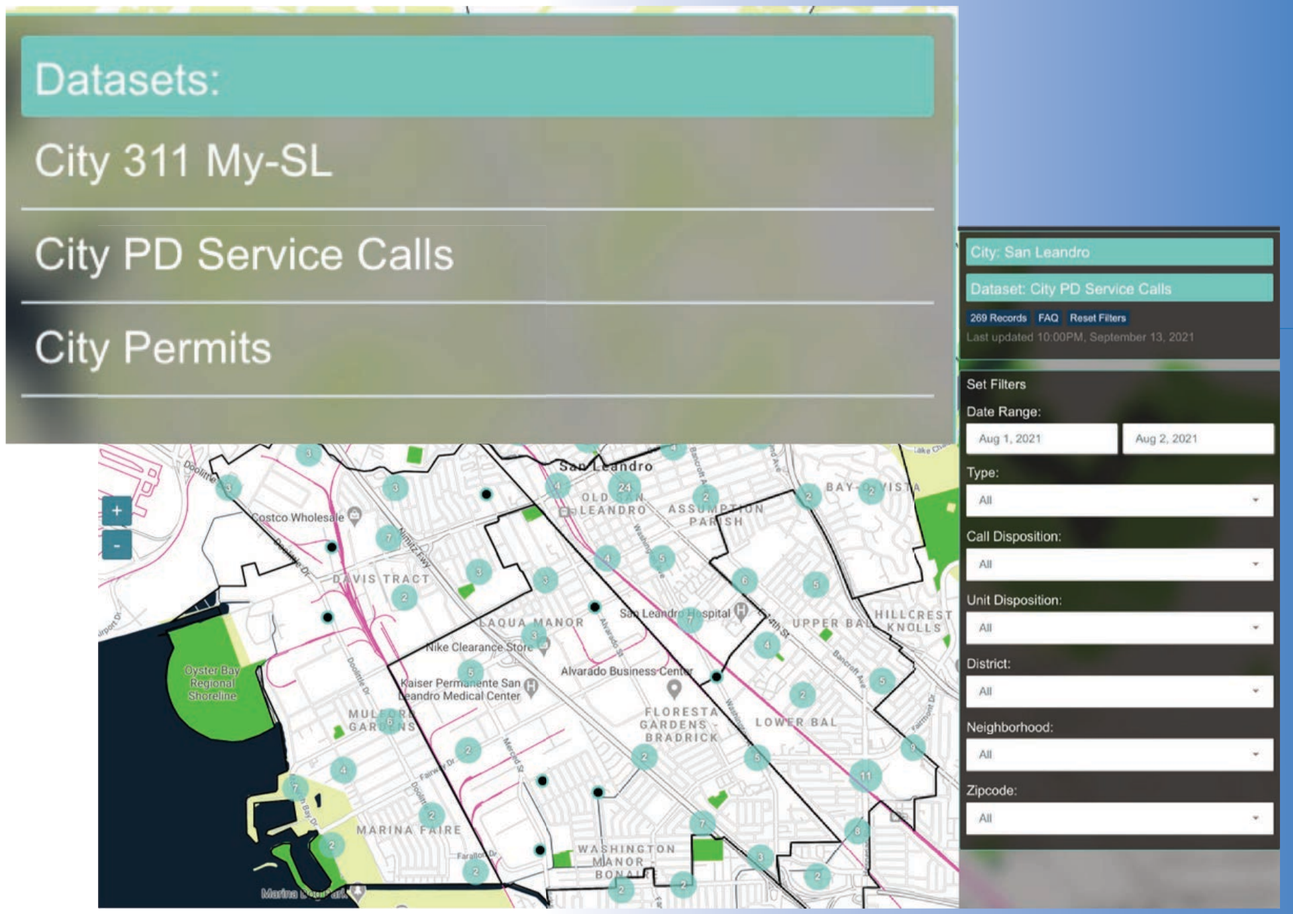
Insights into City operations

City Dashboard

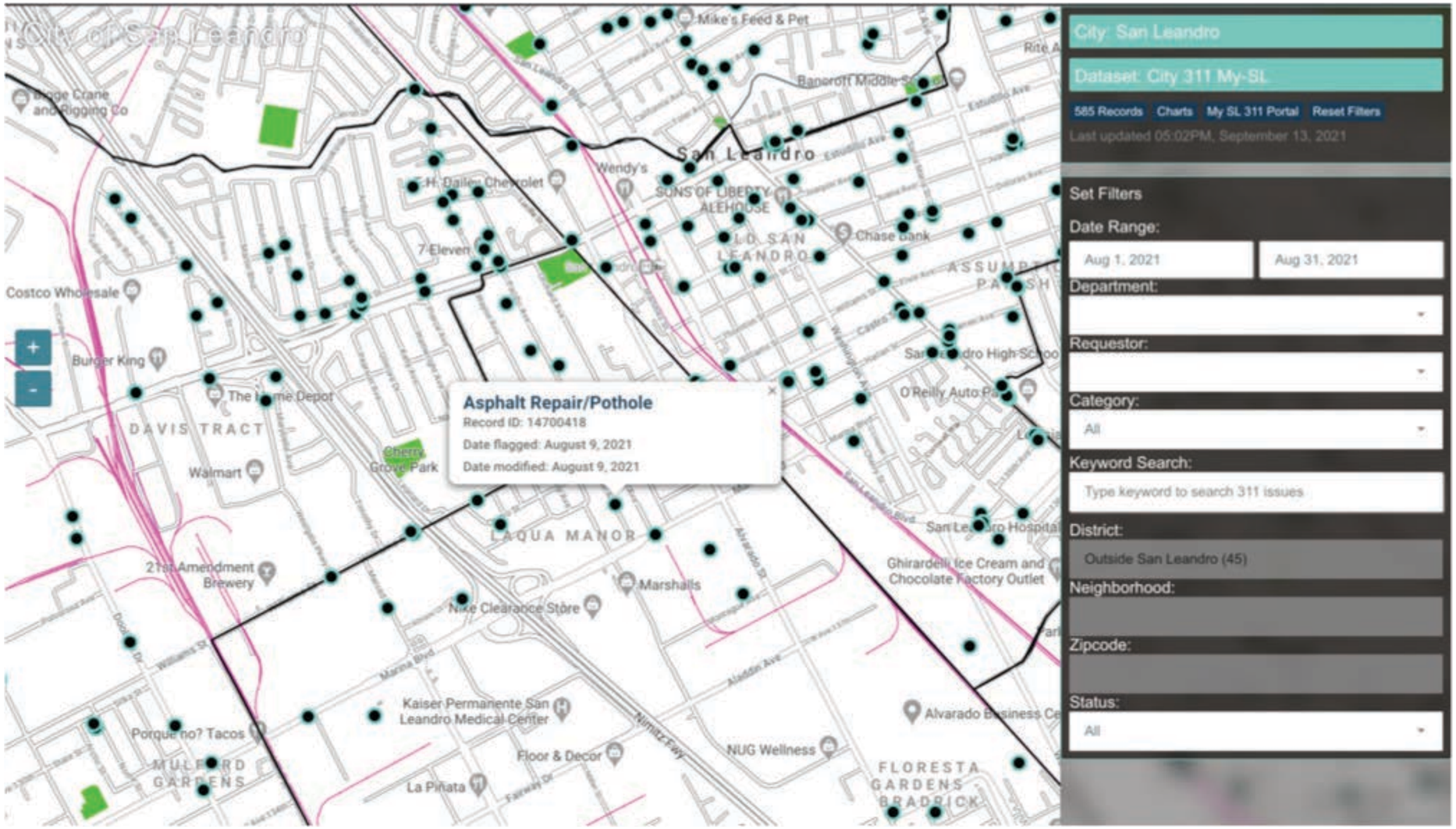
Dashboard for the public to view data from activities reported to and processed by the City in a map view.

Goal: Increase transparency by making it easier to look up information about what is happening in your area

Challenge: Data in different systems- Permits in Accela; service requests in mobile 311; PD service calls



City Dashboard



Data in Context

Figure 5 Community Emissions, 2005

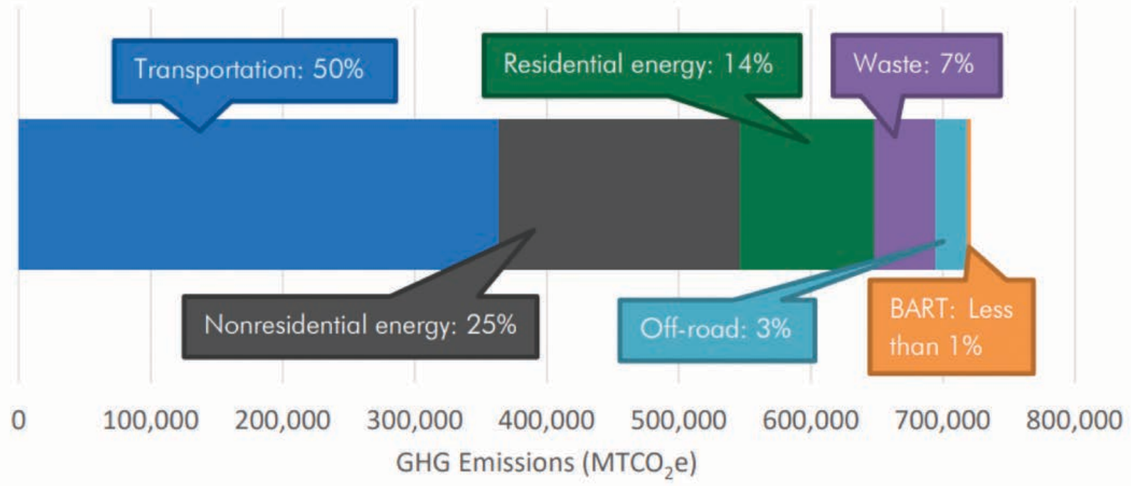
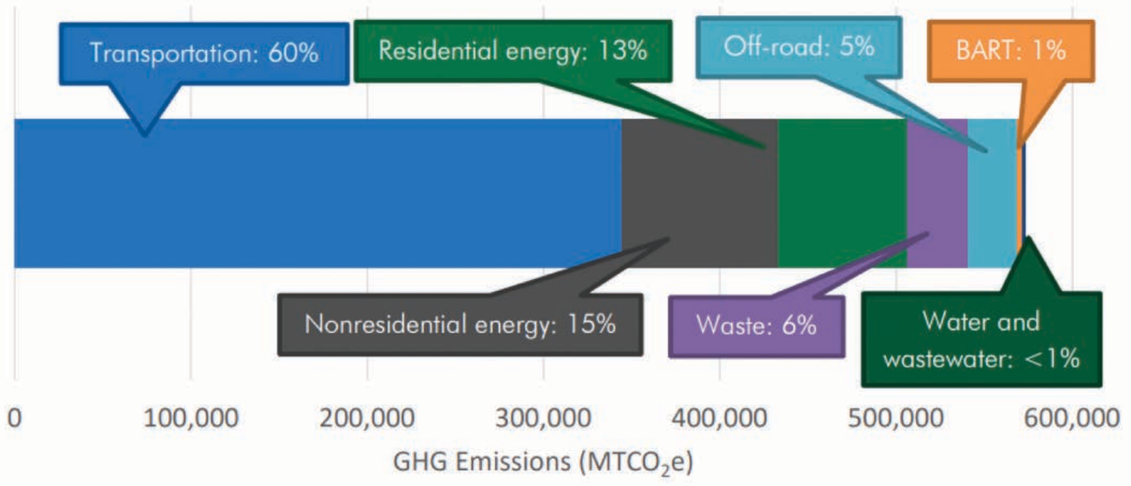


Figure 6 Community GHG Emissions, 2017



Data in Context

Table 2 San Leandro Community GHG Emissions, 2005–2017

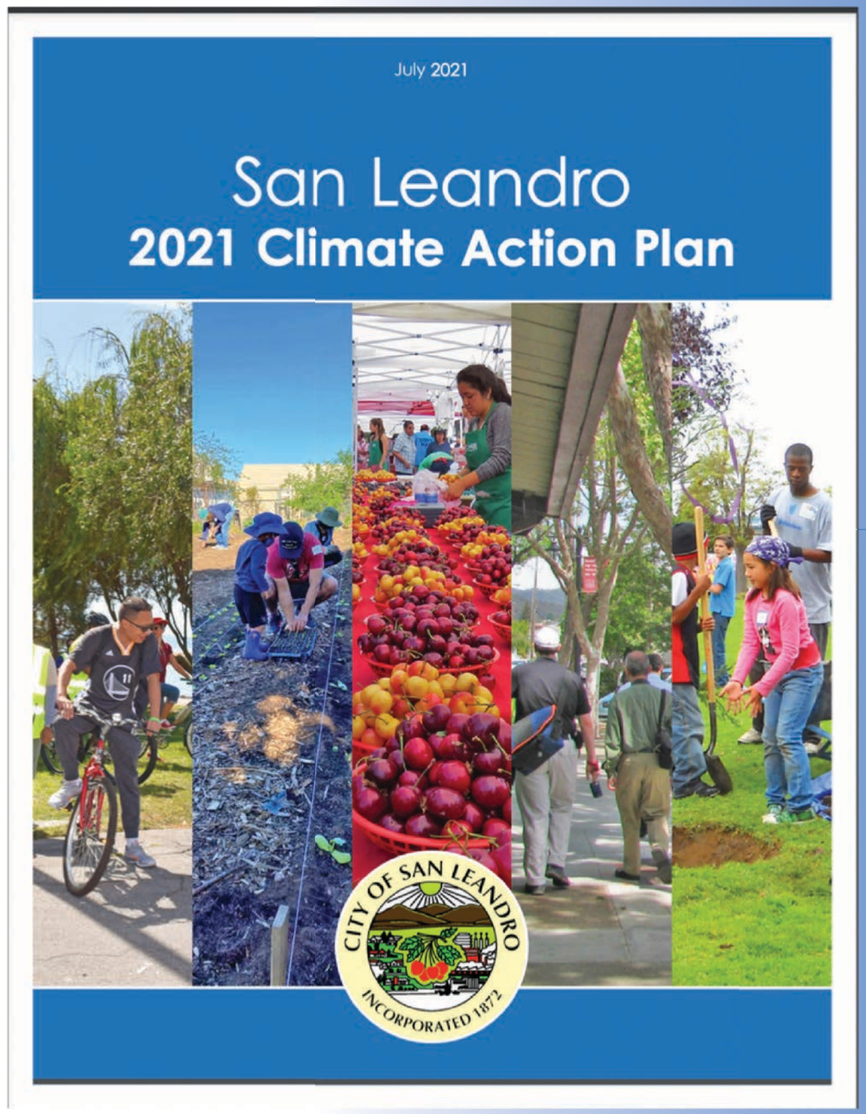
Sector	2005 $MTCO_2e$	2010 $MTCO_2e$	2015 $MTCO_2e$	2017 $MTCO_2e$	Change in Emissions, 2005–2017
Transportation	363,550	372,220	353,130	344,290	-5%
Nonresidential energy	182,950	146,600	96,490	88,620	-52%
Residential energy	101,760	100,650	83,830	73,320	-28%
Waste	46,910	40,080	38,880	34,860	-26%
Off-road	23,190	22,860	30,940	26,970	16%
BART	2,920	3,030	3,720	3,710	27%
Water and wastewater	-	2,410	2,470	1,820	-25%*
Total	**720,990**	**687,860**	**609,460**	**573,580**	**100%**
Biomass sequestration †	-530	-530	-530	-530	0%

Climate Action Plan

Outlines the implementation strategies and work plan to reduce greenhouse emissions.

Goal: Equitable decision making and planning

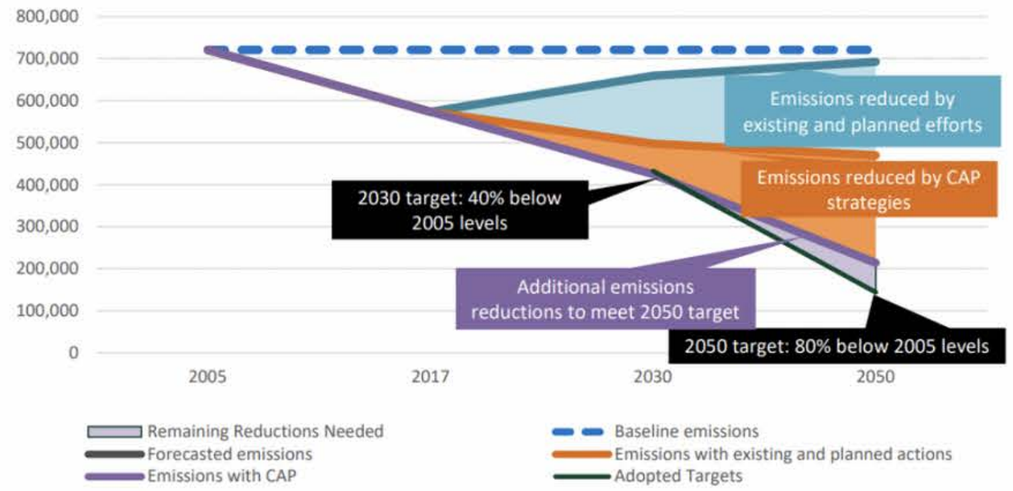
Challenge: GHG emissions data alone does not provide informative insight on community needs and behavior



Climate Action Plan

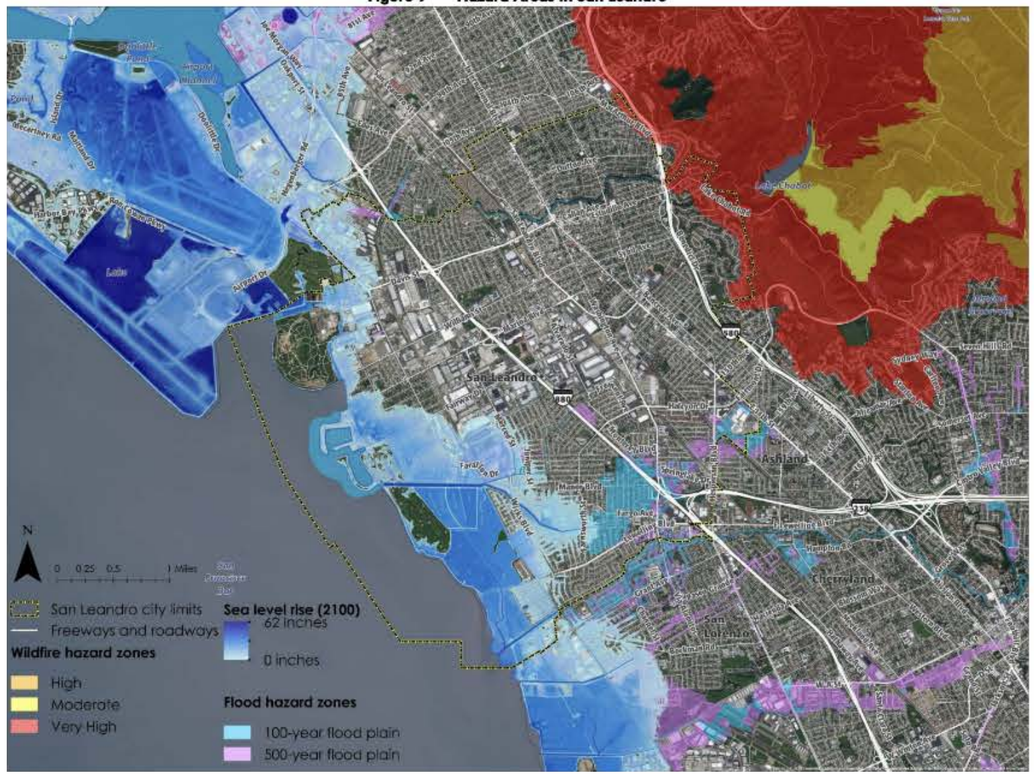
GHG Projections

Figure 12 San Leandro GHG Emissions with Reduction Strategies, 2020 to 2050 (Absolute) ($MTCO_2e$)



Vulnerability Assessment

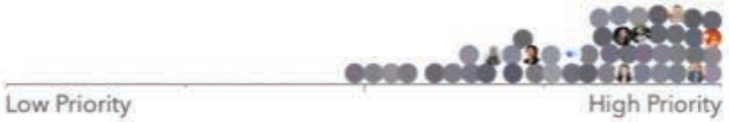
Figure 9 Hazard Areas in San Leandro



Climate Action Plan

Increase development that supports reduced auto dependencies.

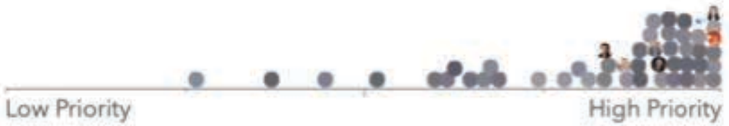
Added: 9/10/2020 | 3 pros and cons closed



49 opinions
71% average

Improve community-wide preparation and response to hazardous conditions

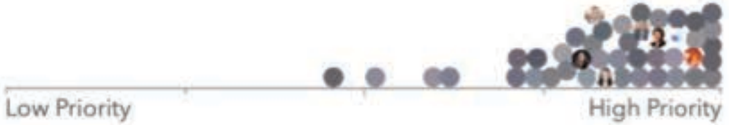
Added: 9/10/2020 | 3 pros and cons closed



49 opinions
71% average

Promote the efficient use of existing water supplies.

Added: 9/10/2020 | 1 pro or con closed



44 opinions
74% average

Increase residential, commercial, and industrial renewable energy use.

Added: 9/10/2020 | 3 pros and cons closed

41 opinions
78% average

Climate Action Plan

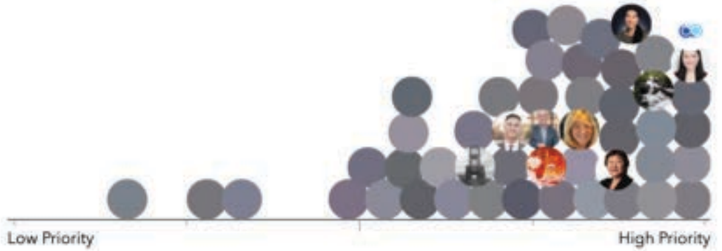
Increase the use of electric vehicles and low-carbon fuels.

#goals | submitted 9/10/2020 by San Leandro Climate Action

Closed to new contributions at this time.

Opinions about this proposal

All opinions | Just you | Custom view



49 opinions
58% average

Top Cons

Electric cars are still cars and we really need to think how people can possibly get around our city without a car before prioritizing cars

10/9/2020, 0 comments

Top Pros

The city can encourage this by having more charging stations which has the added benefit of encouraging people to stop, charge and shop (more tax $) in our city.

10/6/2020, 0 comments

Promote a diverse range of EVs, including equitable use of scooters and electric bikes, beyond just automobiles

9/21/2020, 0 comments

Climate Action Plan

Photo courtesy of Wing Sheung Mok

Photo courtesy of PlaceWorks

Photo courtesy of Hoi Fei Mok

Key Takeaways

1. **What information do people need and can they take action from information provided?**

2. **Is the data presented easy to interpret and use?**

3. **Lived experiences provide context to data insights**

Q&A