



Municipal Data in Action

2021 League of
California Cities
Conference and Expo

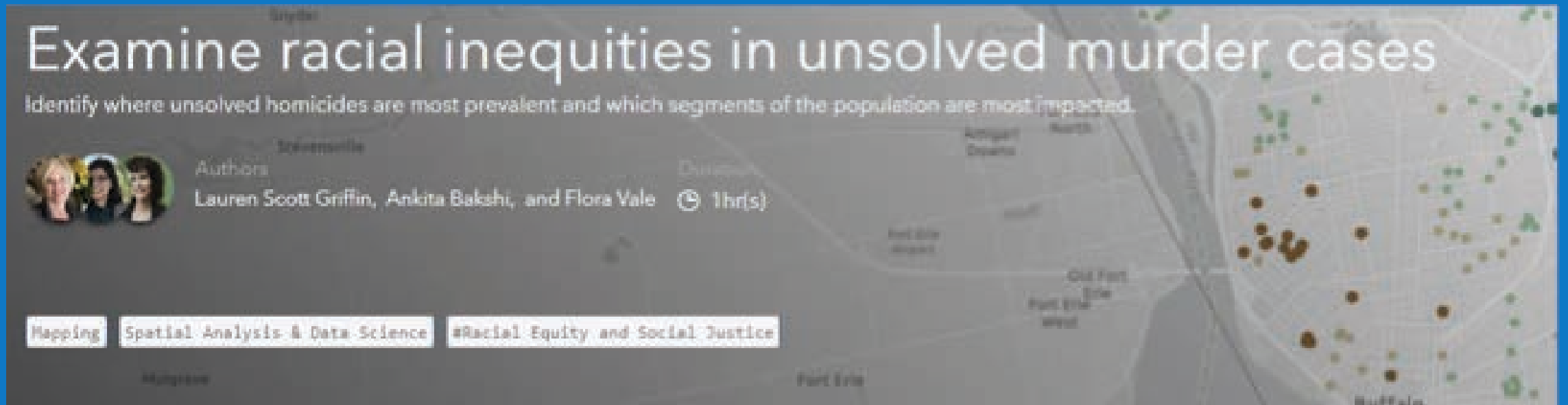
Sept. 24, 2021
Sacramento, CA



Dan Henderson

Esri California

Data and Analytics Driven Decisions



Racial Equity

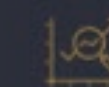
Create and sustain positive change with GIS

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

Leverage decision-making tools to visualize racial inequities at a place to adjust strategies and



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



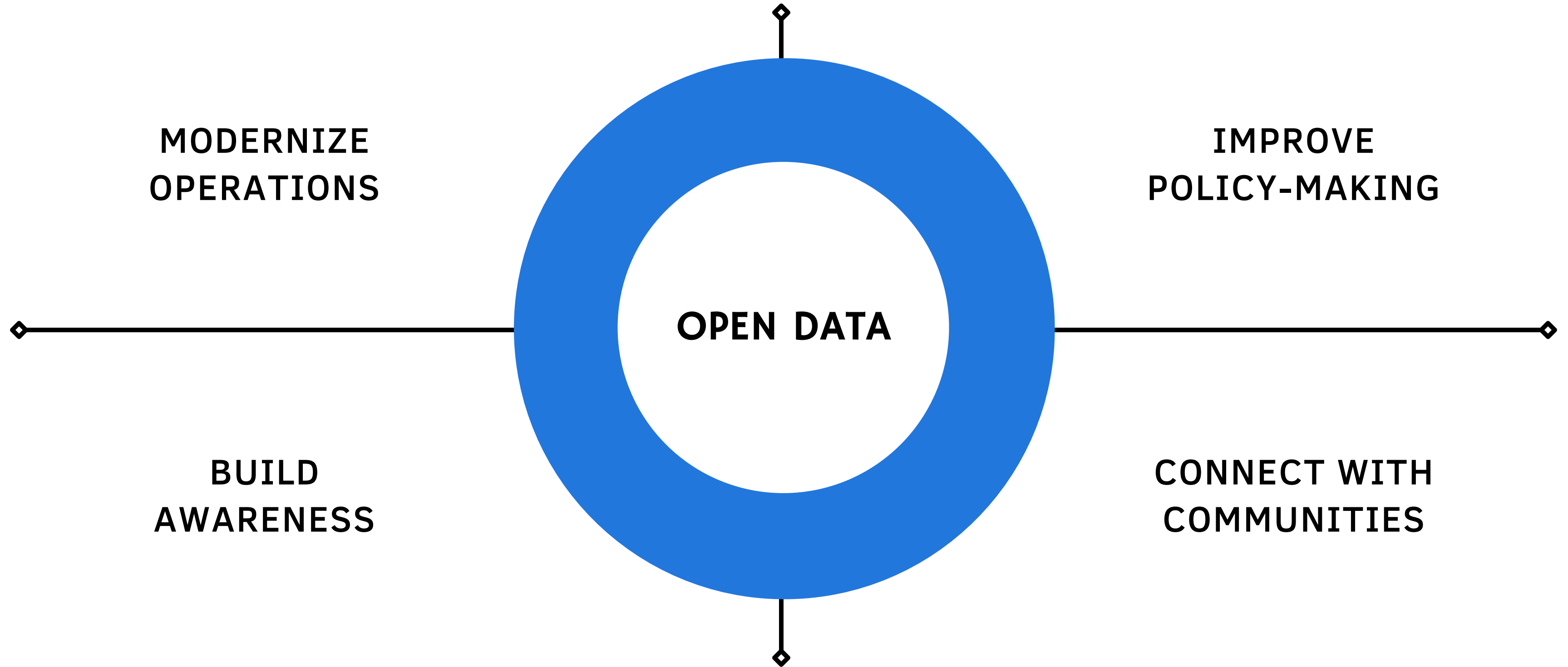
Ron Galperin

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



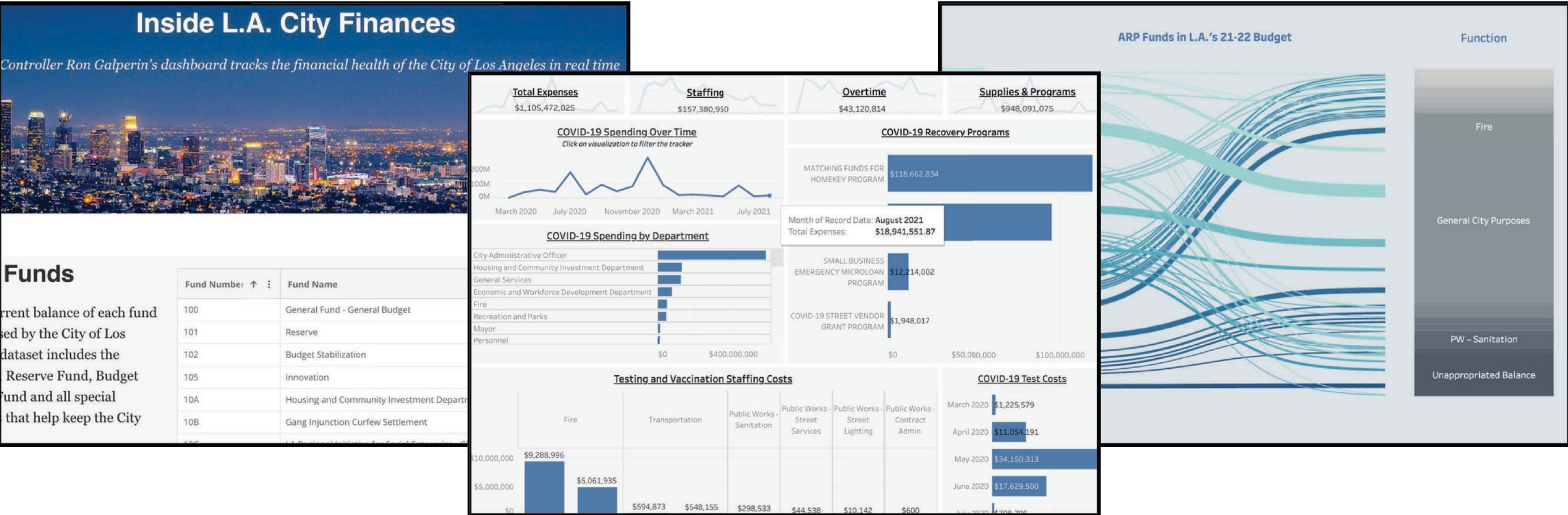
Municipal Data in Action



Transparency and Accountability

CITY FINANCES DASHBOARD

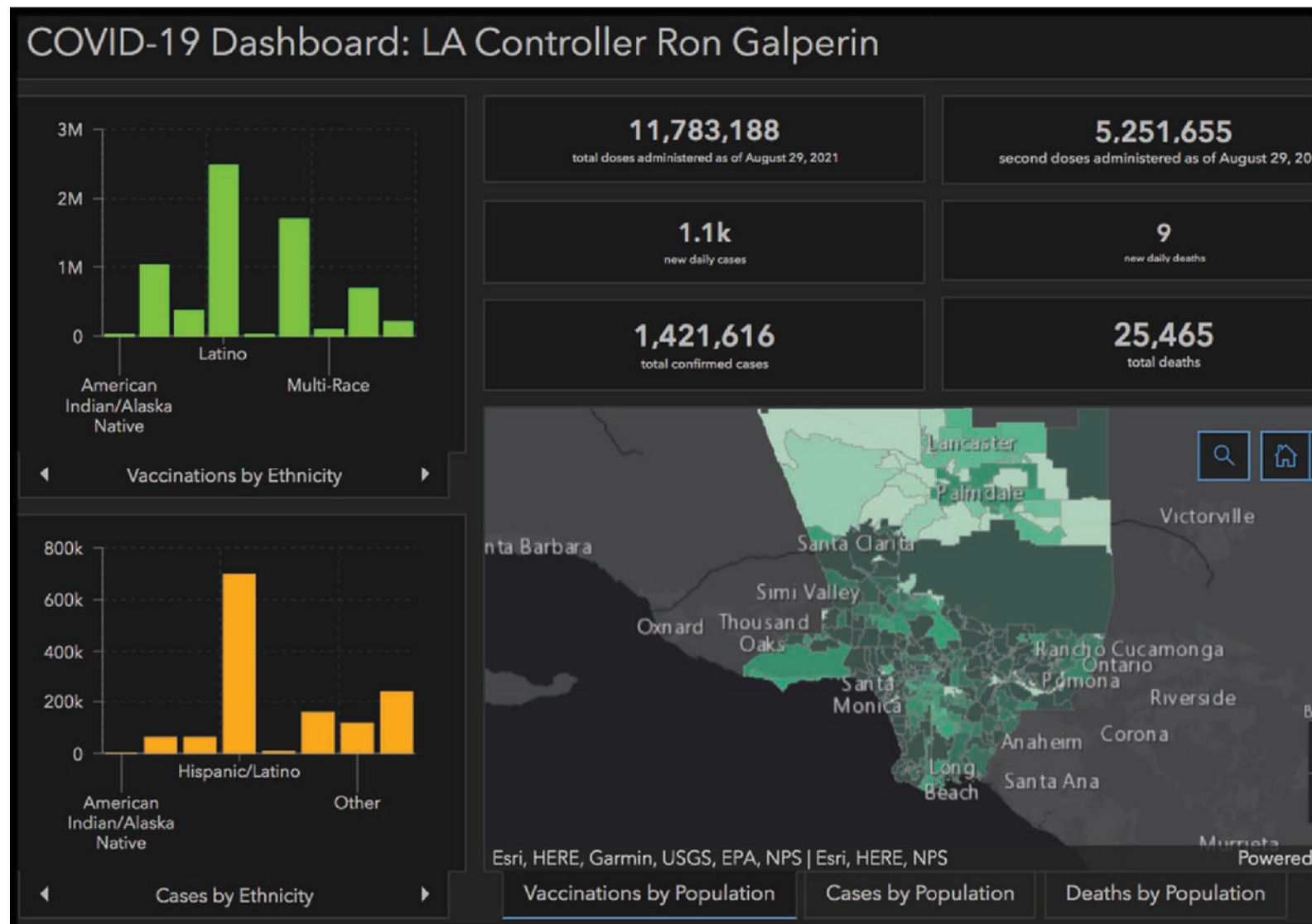
ARP DATA STORY



COVID SPENDING TRACKER

Connecting with Resources

COVID RESOURCE HUB



STATEWIDE FOOD MAP

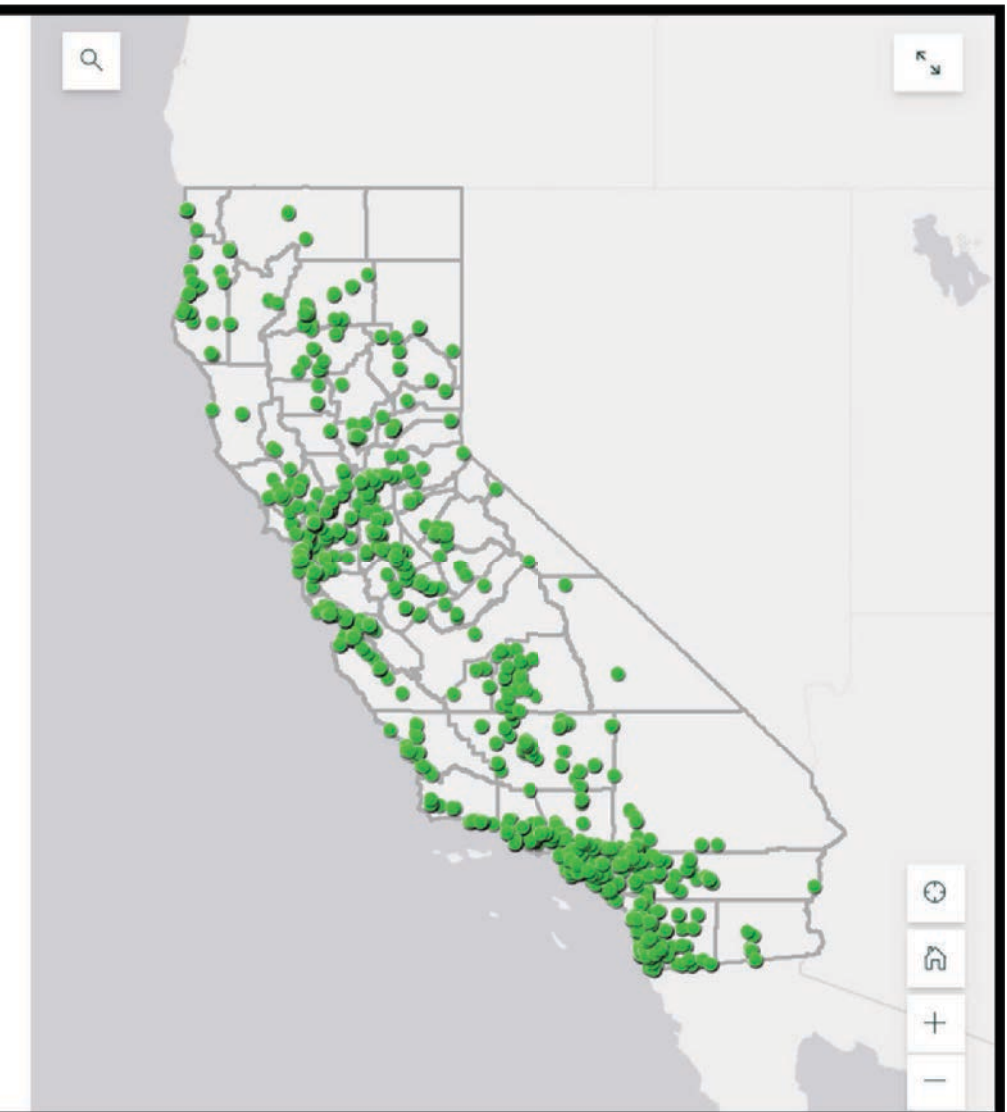
Free Food Resources in California

This map includes 1,800+ food banks, food pantries and food distribution centers across the state of California.

Click on a dot to see the name, location and contact information for each food resource. You can also use the search bar at the top left corner to find the resources nearest you.

Please note that food distribution dates and times vary and are subject to change. Before visiting, please contact the location to verify it is open and to find out if you live within its service area. Some sites may also require photo

identification and supporting



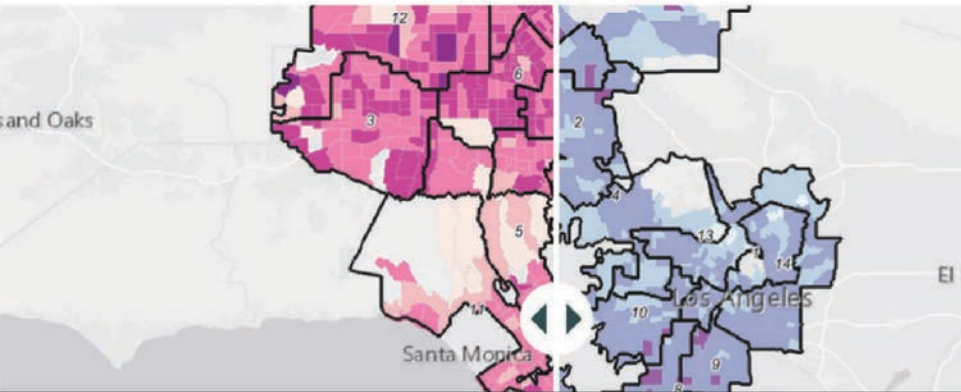
Informing Policy

EQUITY INDEX

Equity Index Socioeconomic Environment Education Access to Resources Takeaways

Rent Burdened Angelenos

More than 60% of Angelenos are renters, one of the highest rates of any metropolitan area in the nation. A 2019 report found that Los Angeles is the third-most rent burdened city in the country. The U.S. Department of Housing and Urban Development considers a family to be rent burdened if they spend 30% or more of their annual income on rent. In L.A., many families spend half their income on rent, as illustrated in the map below.



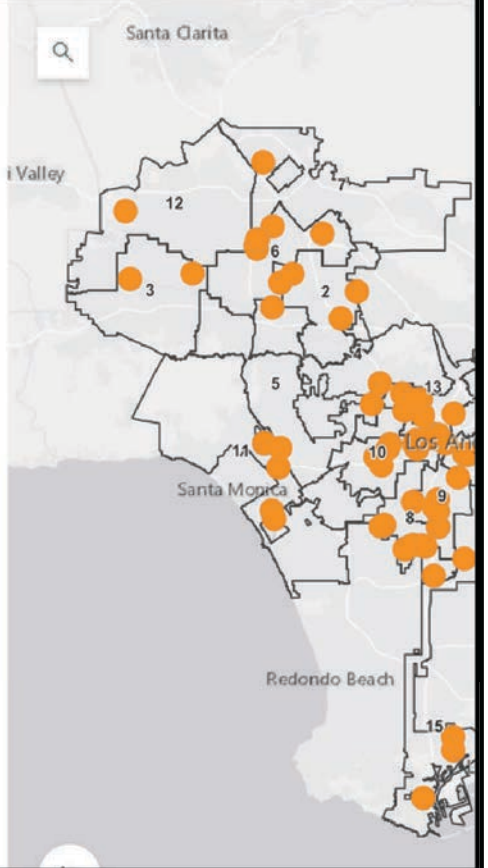
HHH PROGRESS TRACKER

Introduction Where We Stand Action Plan Needed Status of HHH Projects

HHH Projects in Pre-Development

Most HHH projects are currently in the pre-development phase. Pre-development is a broad term that includes projects that have been approved and the developers are in the process of applying for funding, securing land use approvals, engaging the community and obtaining permits.

There are 78 projects in pre-development. When completed, they will provide 4,015 supportive housing units and 1,142 non-supportive units.



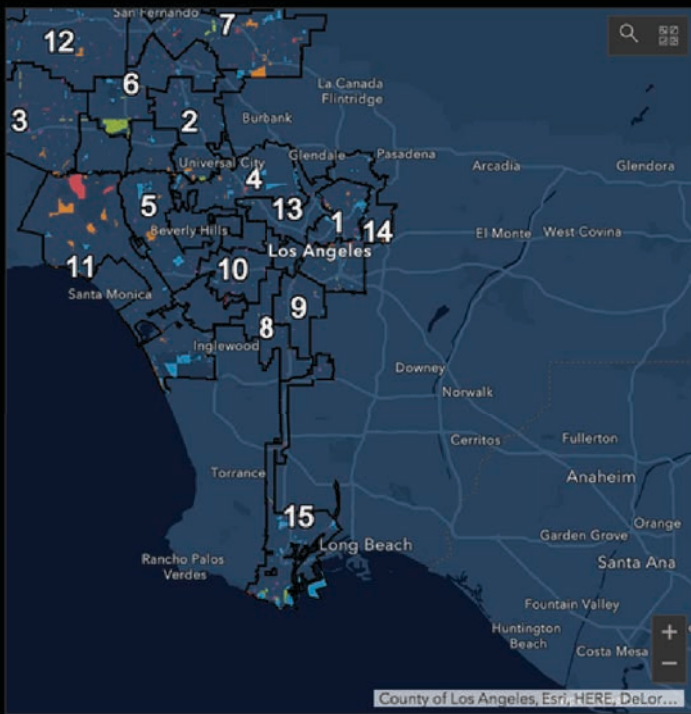
RON GALPERIN LA COMPTROLLER Property Panel

City Council District Properties Dashboard

Select a City Council district from the list below to view its property summaries. Select it from the dropdown menu.

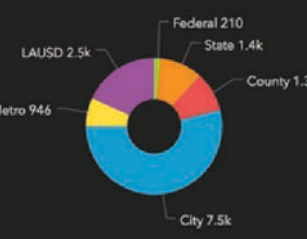
Select a City Council District

- City Council District 1
- City Council District 2
- City Council District 3
- City Council District 4
- City Council District 5
- City Council District 6
- City Council District 7
- City Council District 8
- City Council District 9
- City Council District 10
- City Council District 11
- City Council District 12
- City Council District 13
- City Council District 14
- City Council District 15



13,948 publicly-owned properties

Entity Ownership



58,829 acres total area

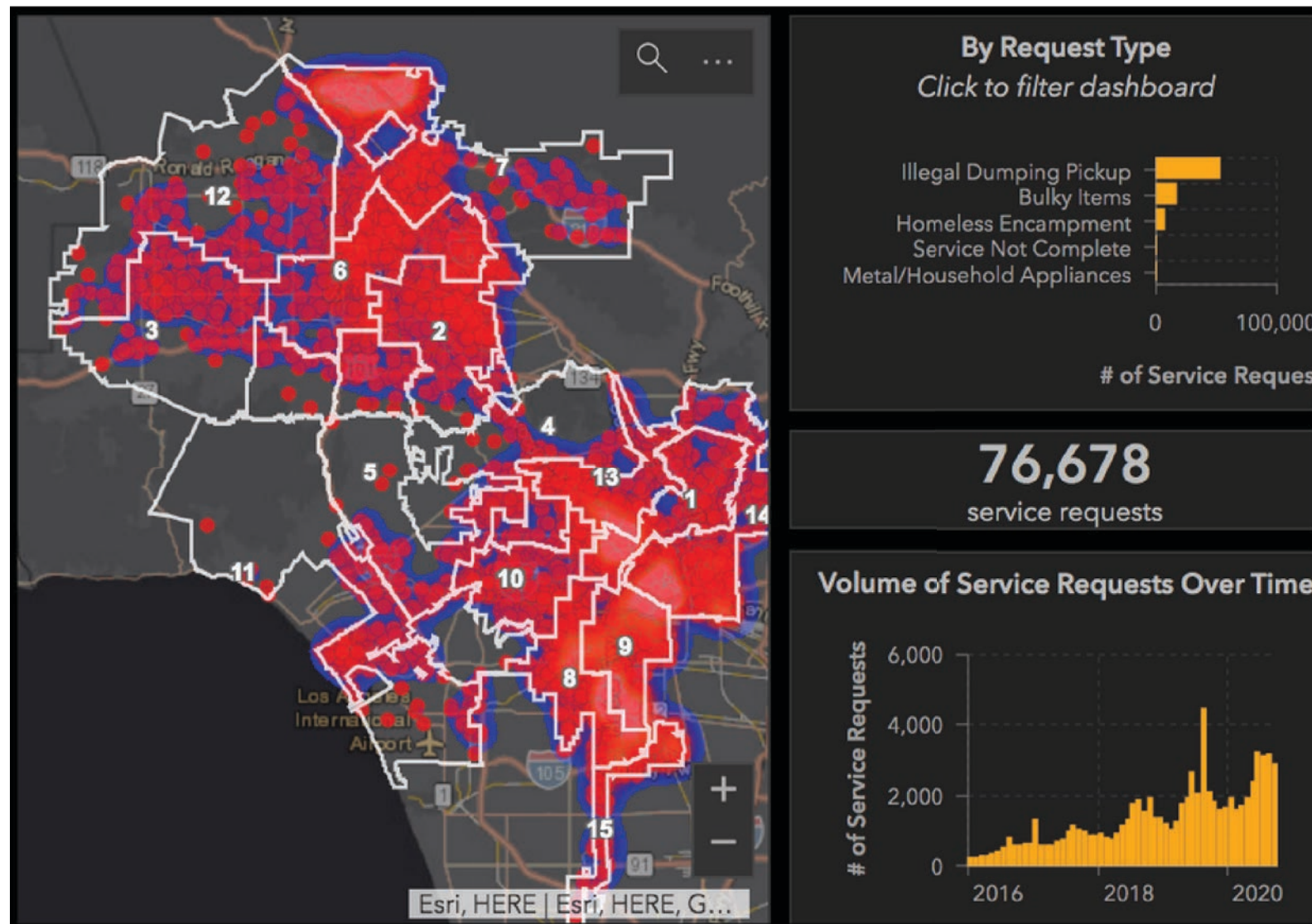
Click here to view the City Council District Properties Dashboard in a new tab.

esri A Story Map

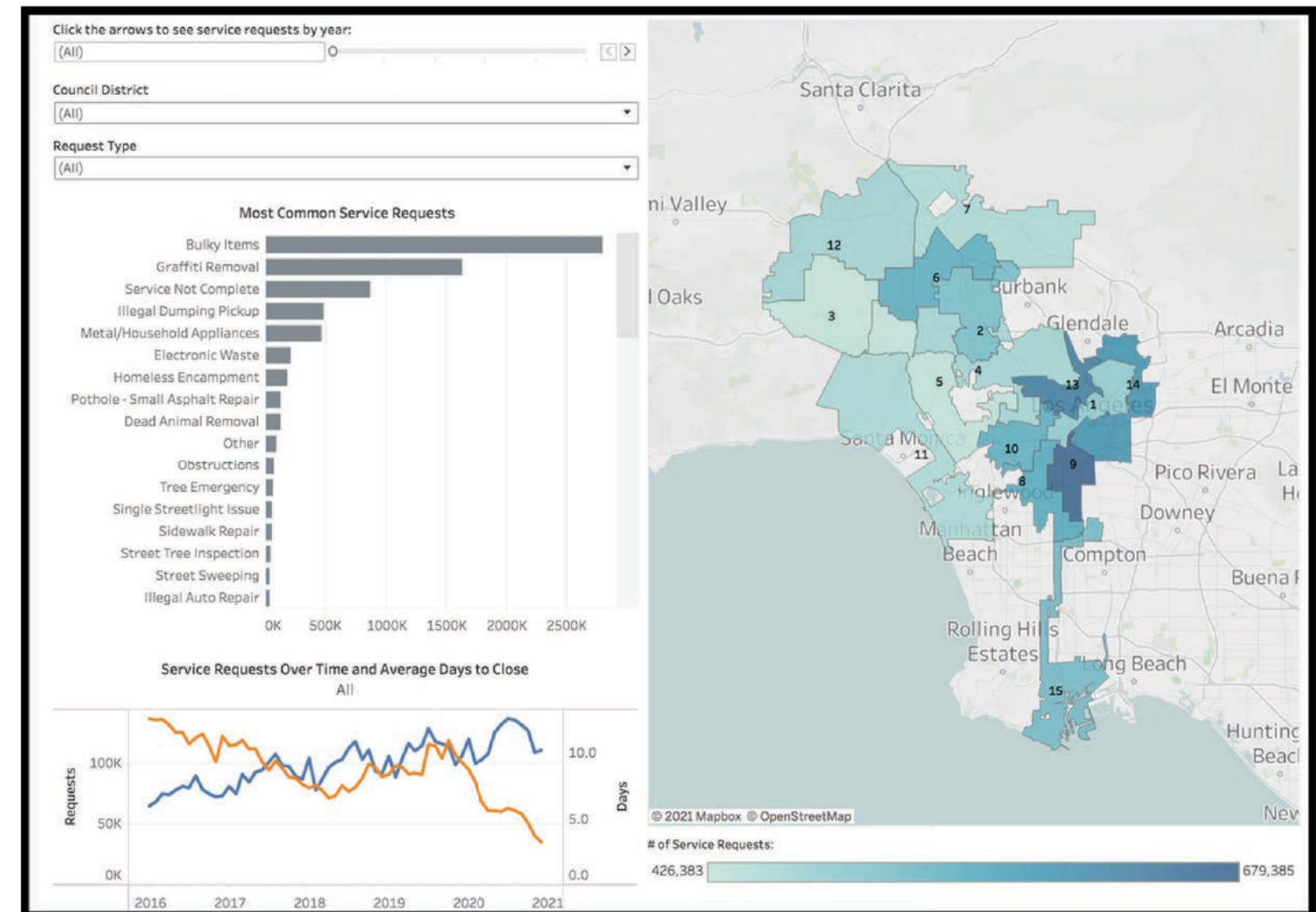
PROPERTY PANEL

Improving Services

ILLEGAL DUMPING DASHBOARD



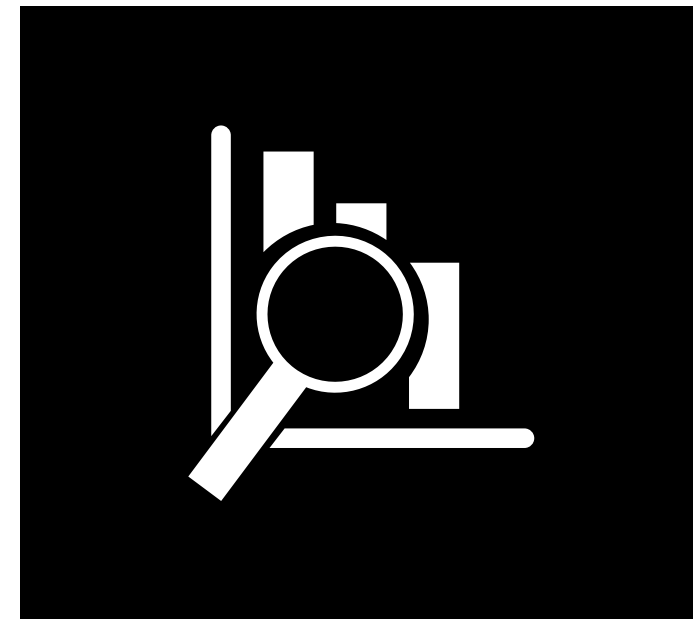
311 DASHBOARD



What's Next?



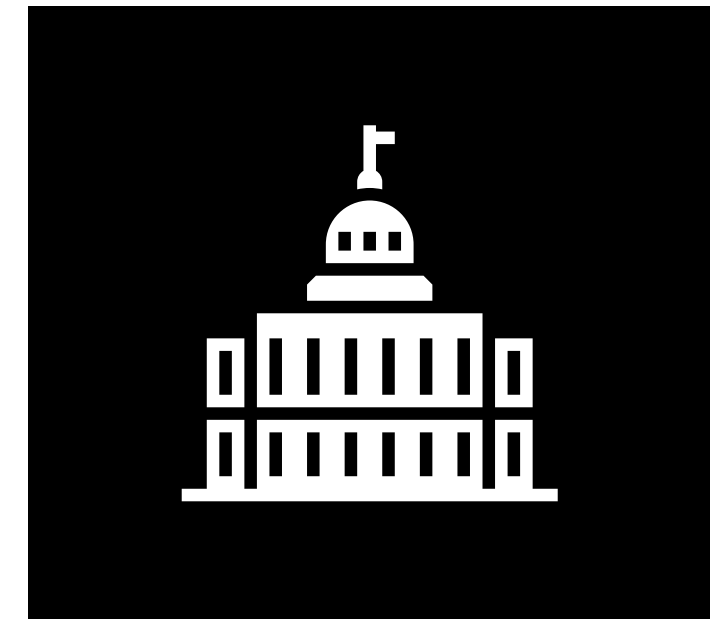
Data



Analysis



Political Will



**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



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.

A grayscale map of the Sacramento area serves as the background for the title. The word "SACRAMENTO" is prominently displayed in the upper center. Other visible labels include "Brederick", "Rancho Cordova (93)", "MATHER AIR FORCE BASE", "Blodgett Reservoir", "Deer", "Sloughhouse", "Morrison", "SACRAMENTO ARMY DEPOT", "Florin", "W Sacramento", "Bypass", "HIP CHAN", and "16".

Redistricting Sacramento

■ 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

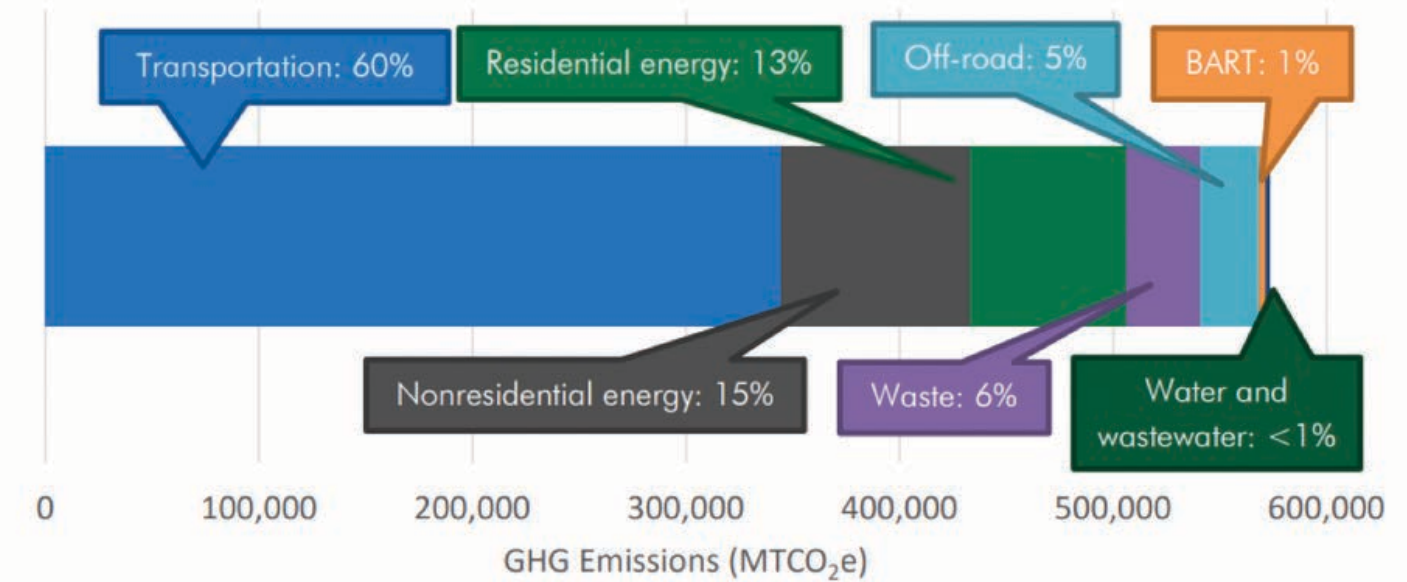
Data is...

Informative-baseline for current state

Indicator-alert when something is wrong

Predictor-patterns for when action is needed

Figure 6 Community GHG Emissions, 2017



Marina Park

On September 14th, 2021, 4:28:32 PM PDT

10 Minute Average US EPA PM2.5 AQI is now **57**

51-100: Air quality is acceptable; however, if they are exposed for 24 hours there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.

Now	10 Min	30 Min	1 hr	6 hr	1 Day	Week
55	57	57	57	58	55	67

Sensor: Marina Park [COSL]

A B ✓100% PA-II 6.01

PurpleAir Map

So What?



**What is the data
telling us?**

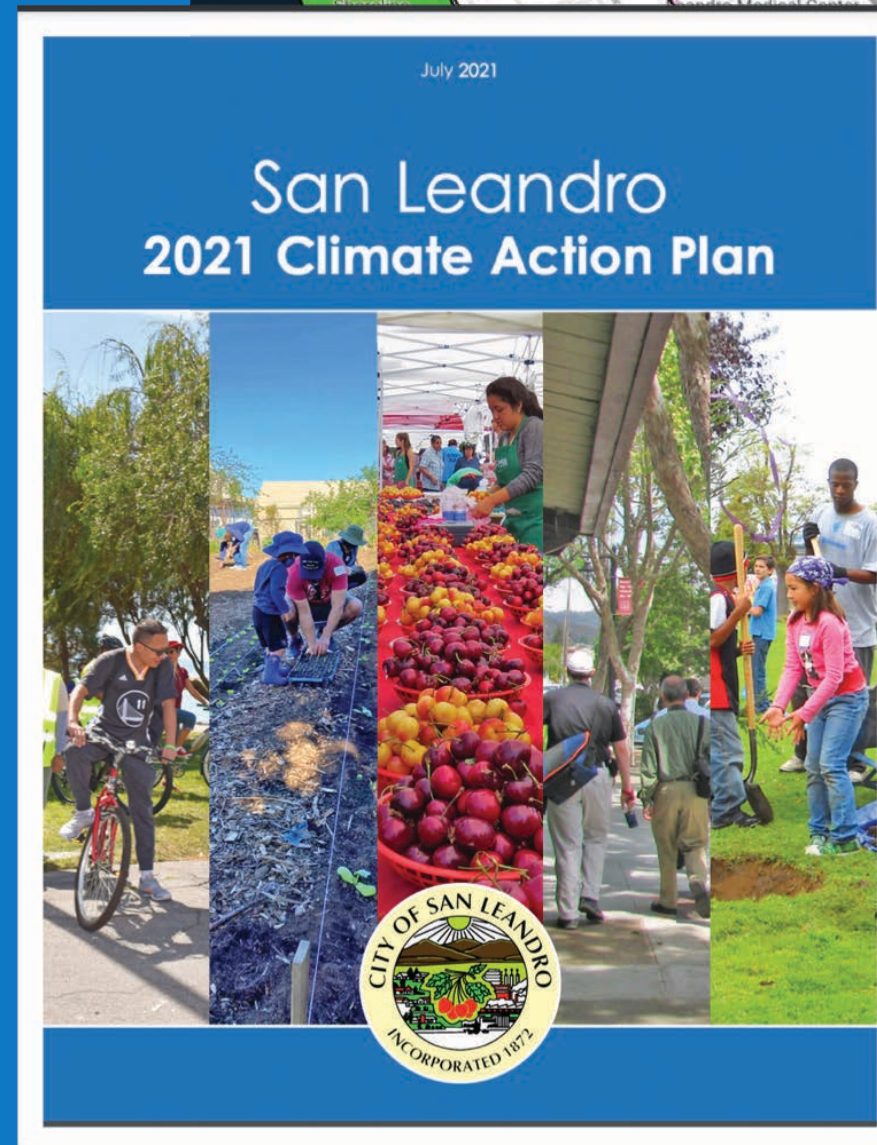
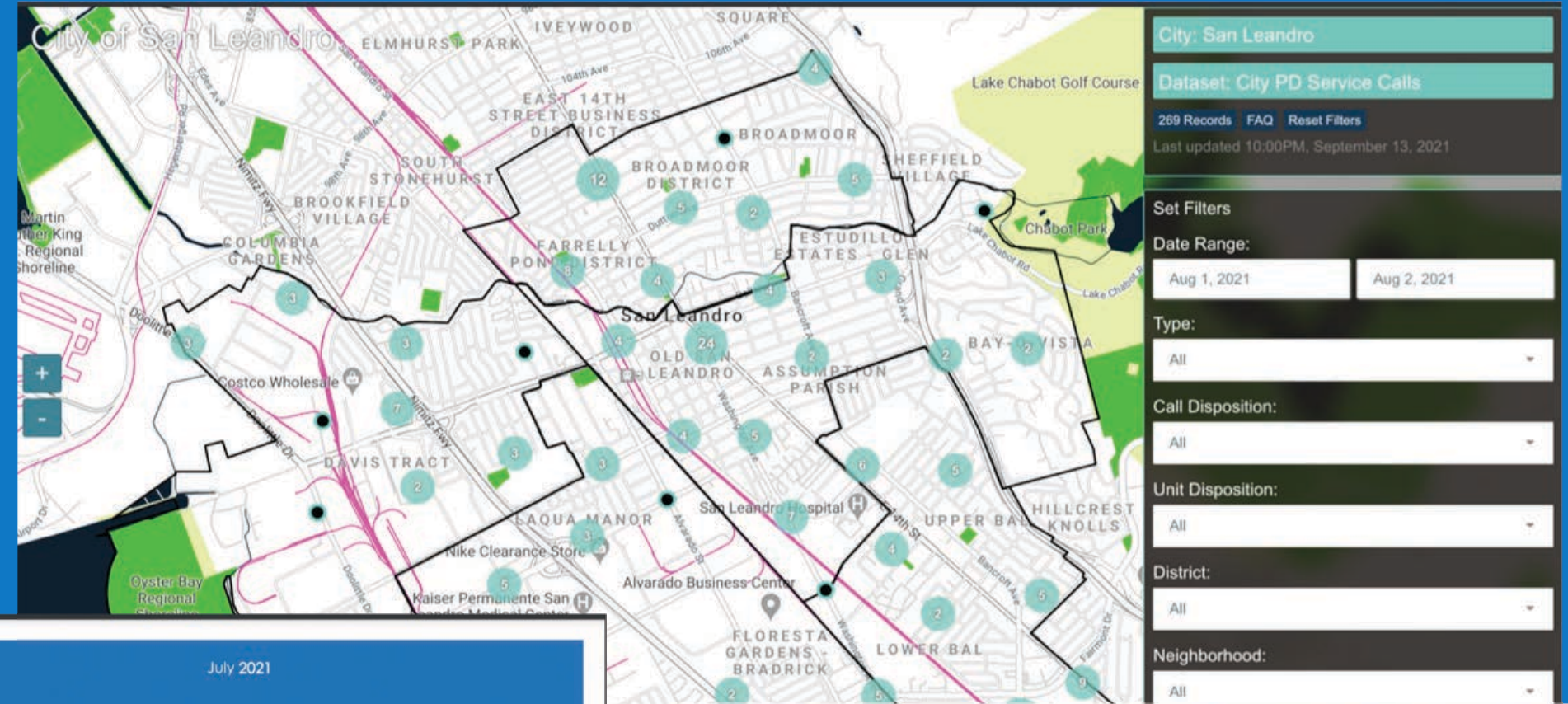


**Why should we
care?**



**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

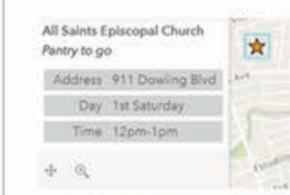

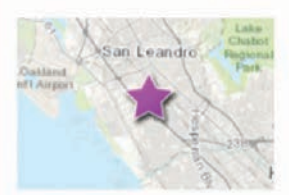

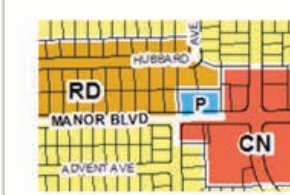
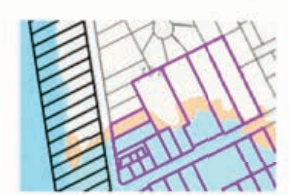





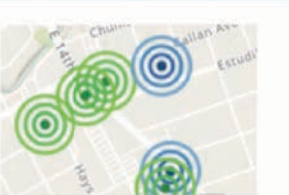
Online portal for data and maps including frequently requested information

Goal: Connection to Resources

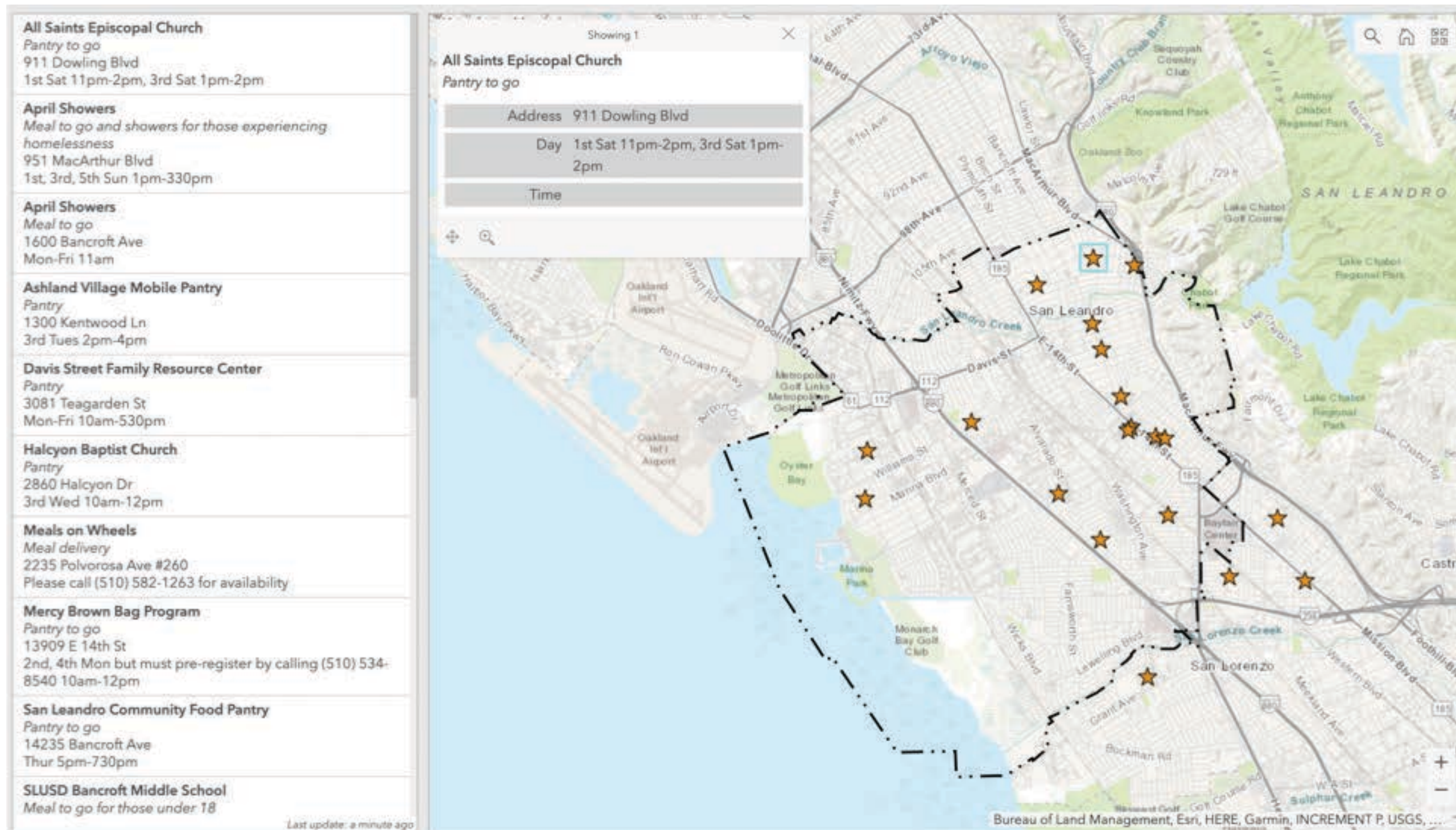
Challenge: Organizations across the City providing resources

geoSL City of San Leandro

Interactive maps provide easy access to information for citizens to better understand our community.

 <p>Food Access Locations</p> <p>With type of program, location, days and hours</p>	 <p>Property Lookup</p> <p>Where is my residence or business? Get parcel information.</p>	 <p>Am I in the City of San Leandro?</p> <p>Some San Leandro mailing addresses are outside of the City of San Leandro.</p>	 <p>CITY COUNCIL DISTRICTS</p> <p>City Council Districts</p> <p>Learn who represents you in city government.</p>
 <p>Zoning</p> <p>Determine your property's zoning and view relevant codes. Zoning effective 4/15/2020.</p>	 <p>Compare FEMA Flood Zones</p> <p>Compare 2018 and 2009 flood zones within the City. New zones effective 12/21/2018.</p>	 <p>Adopt-a-Drain</p> <p>Make your neighborhood safer: keep a storm drain free of debris!</p> <p>More Info</p>	 <p>Street Sweeping</p> <p>Find your residential street-sweeping zone and day.</p> <p>More Info</p>
 <p>Capital Improvement Projects</p> <p>Learn about your City's infrastructure investments.</p>	 <p>Street Maintenance</p> <p>Which streets are getting funding for repairs? What types of repairs are made?</p>	 <p>Pavement Condition</p> <p>Explore street condition. Pavement Condition Index extrapolated to 6/24/2021.</p>	 <p>WiFi Locations</p> <p>Discover where the City provides free WiFi service, both outdoors and in City facilities.</p>

Food Access Map



Transparency



**What is happening
around me?**



**Request for service
status**



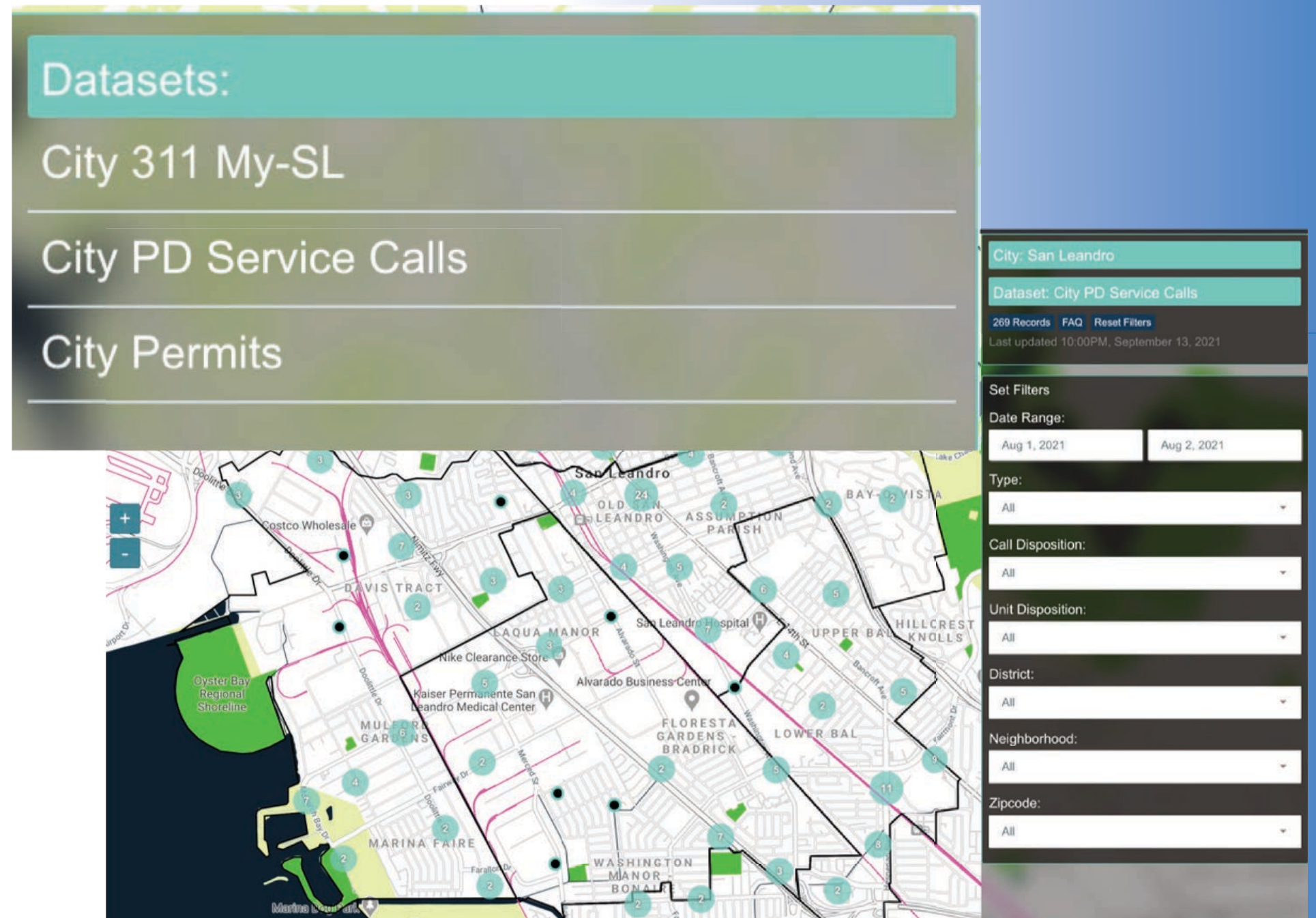
**Insights into City
operations**

City Dashboard

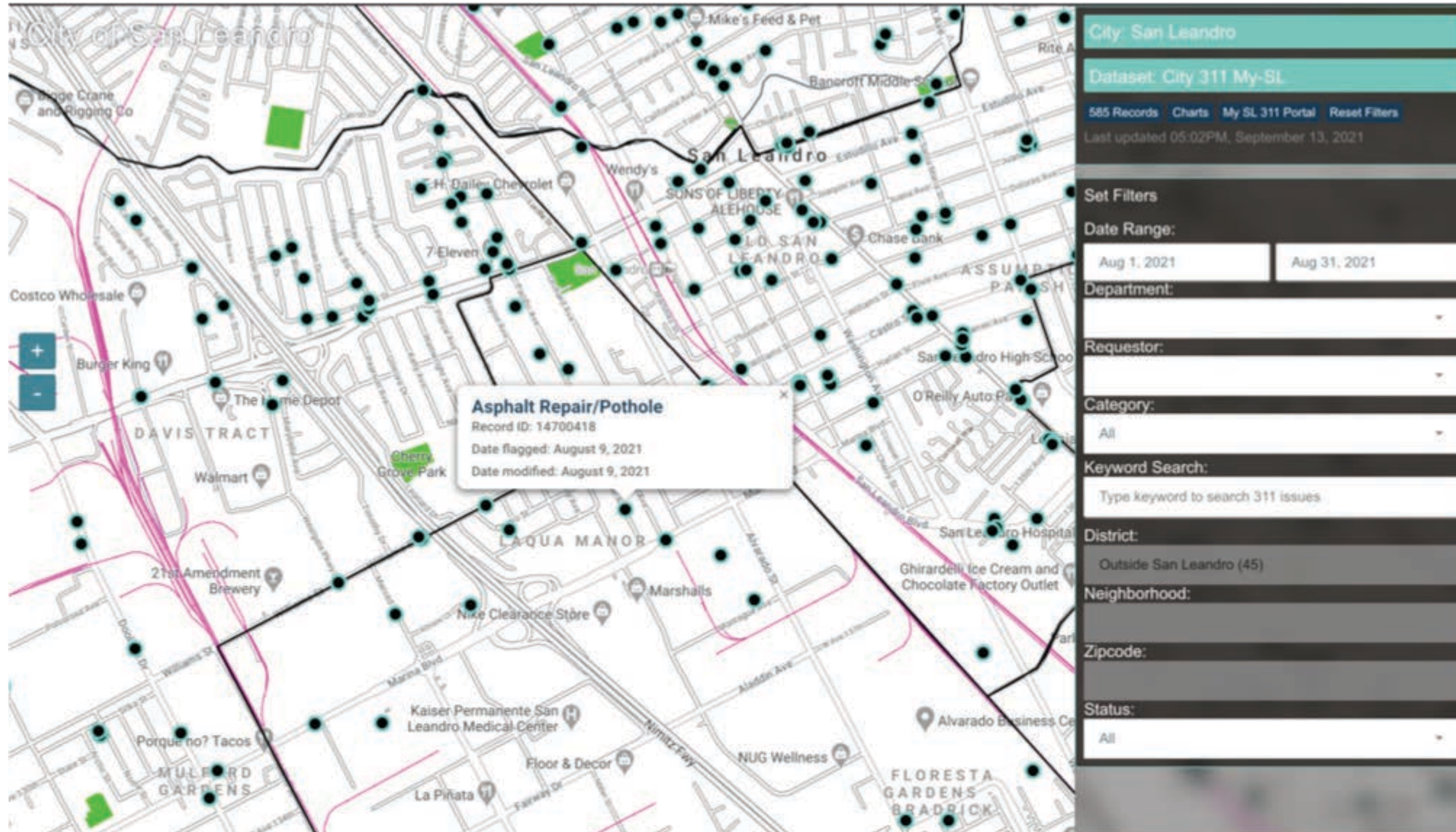
Dashboard for the public to view data from activities reported to and processed by the City in a map view.

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

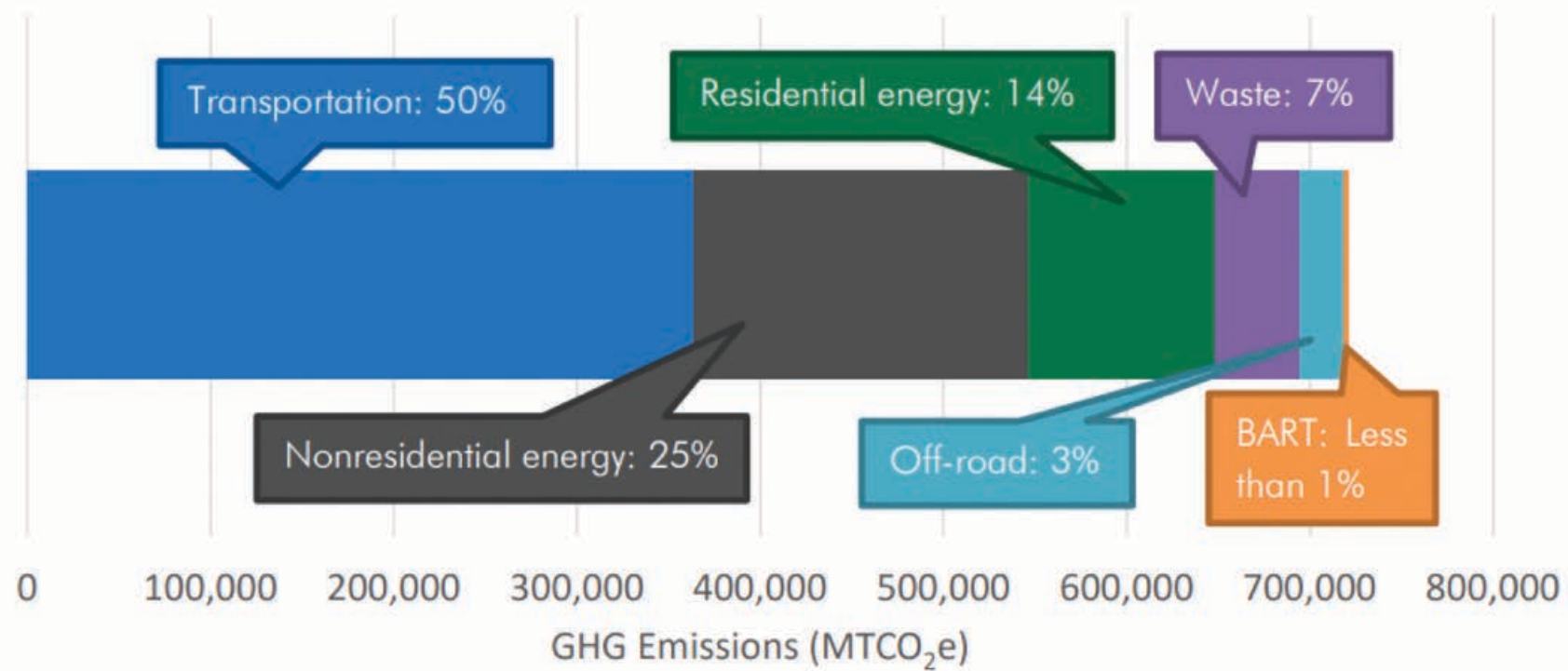
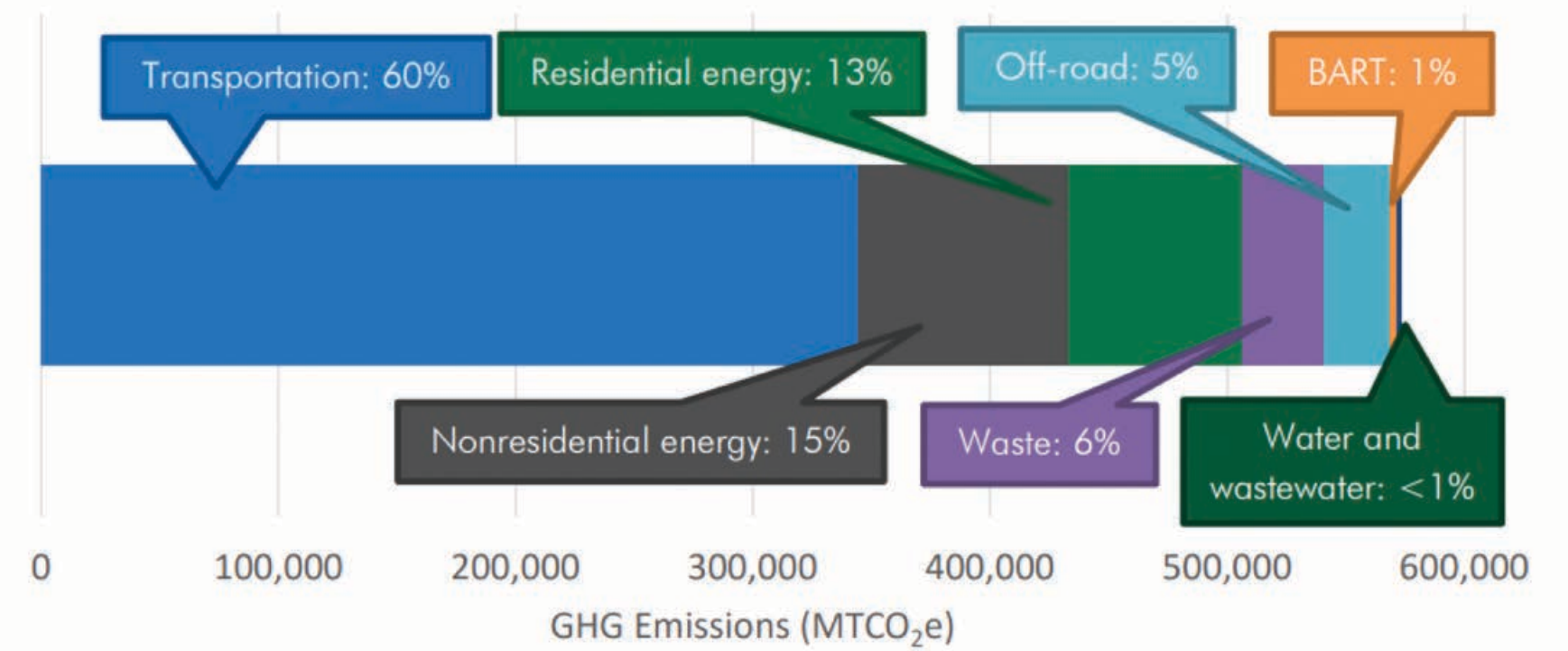


Figure 6 Community GHG Emissions, 2017



Data in Context

Table 2 San Leandro Community GHG Emissions, 2005–2017

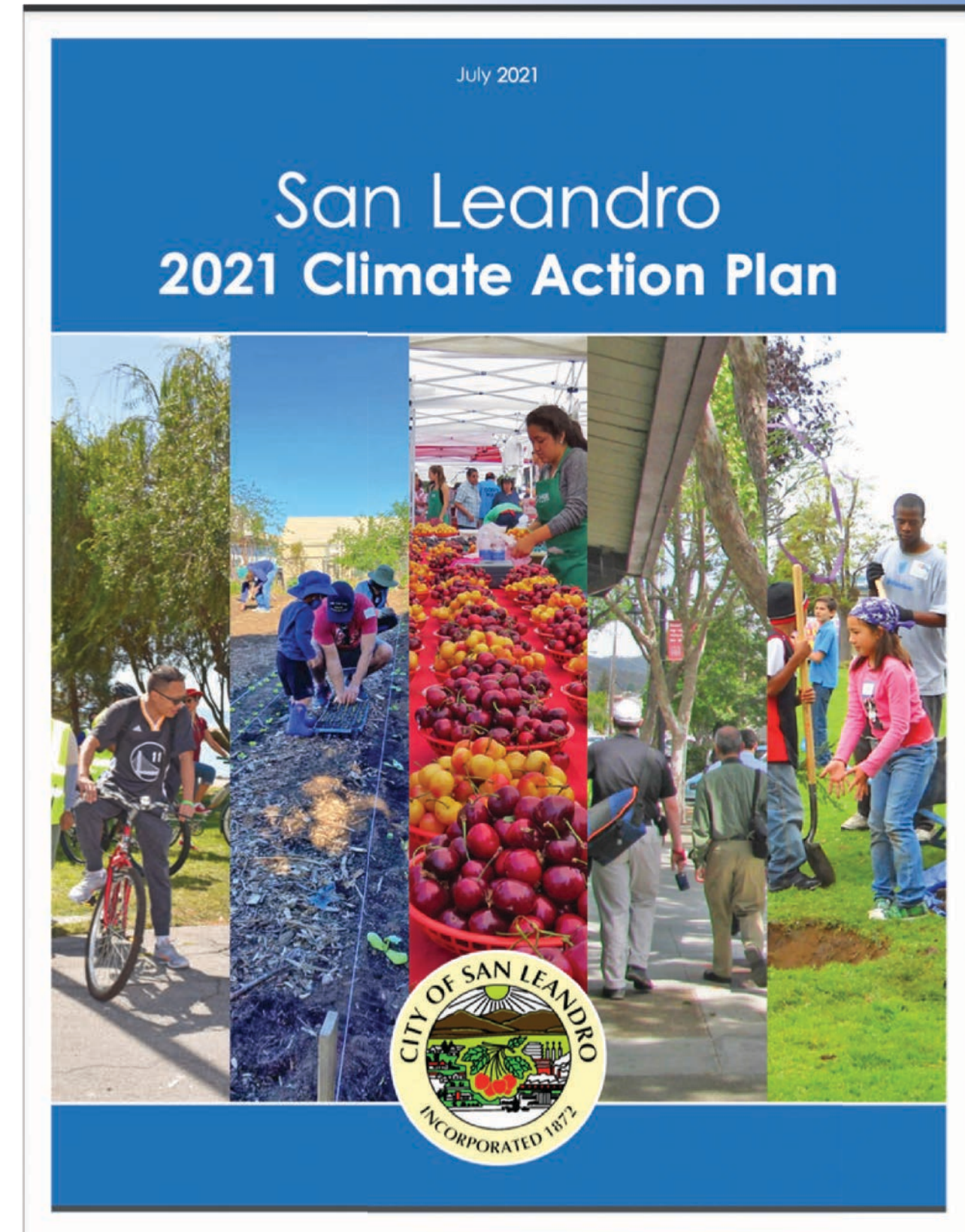
Sector	2005 MTCO ₂ e	2010 MTCO ₂ e	2015 MTCO ₂ e	2017 MTCO ₂ e	Change in Emissions, 2005–2017
Transportation	363,550	372,220	353,130	344,290	-5%
Nonresidential energy	182,950	146,600	96,490	88,620	-52%
Residential energy	101,760	100,650	83,830	73,320	-28%
Waste	46,910	40,080	38,880	34,860	-26%
Off-road	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

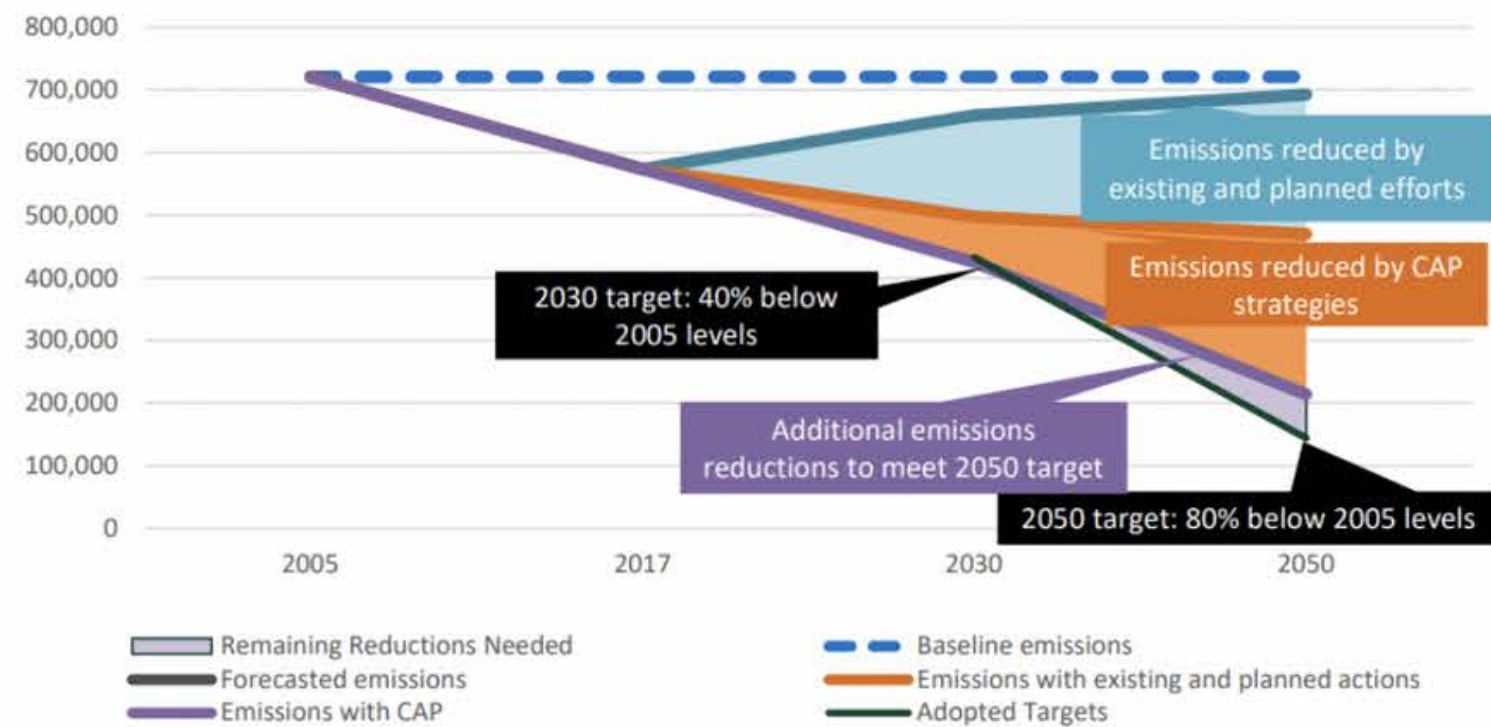
Challenge: GHG emissions data alone does not provide informative insight on community needs and behavior



Climate Action Plan

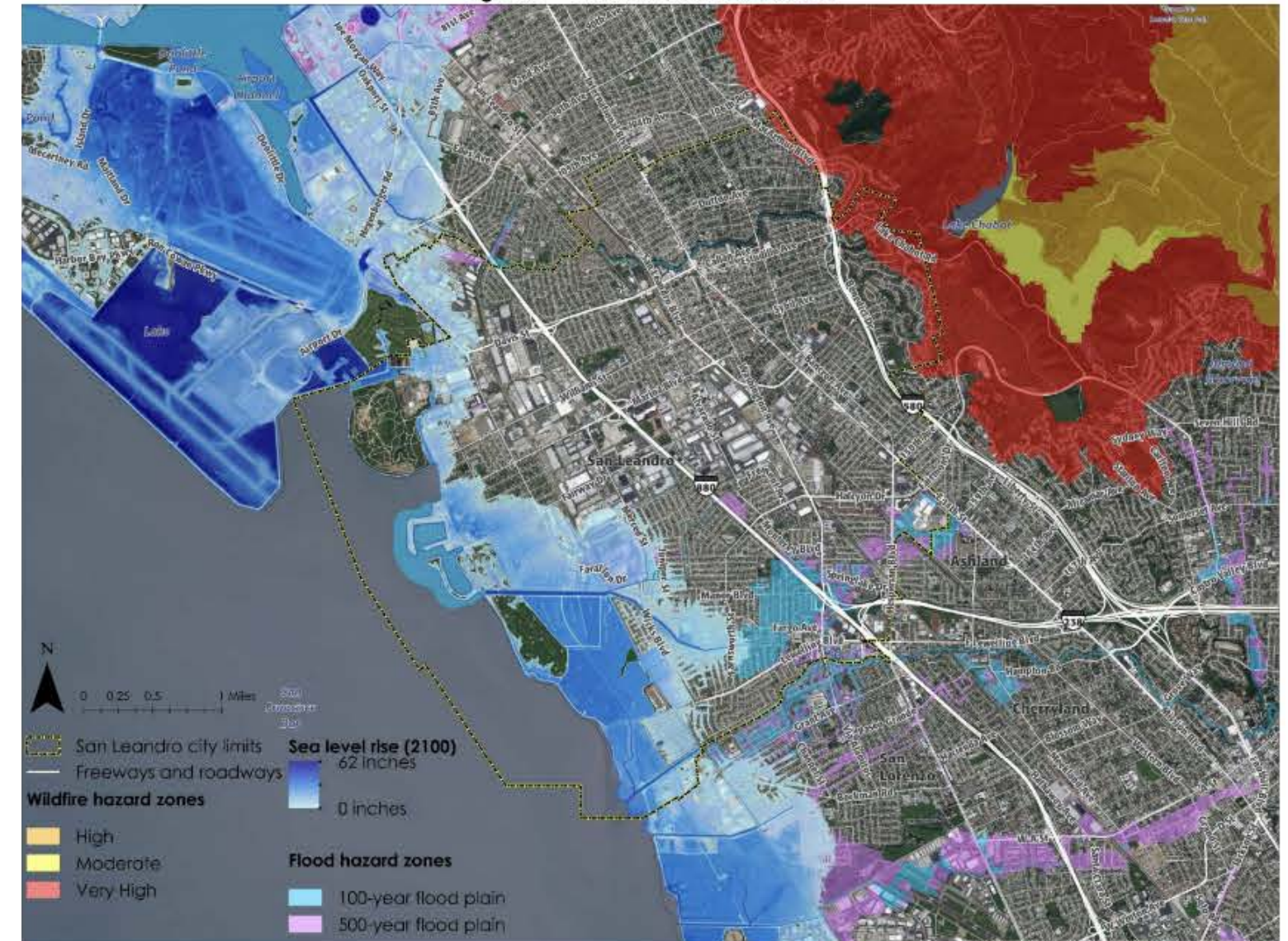
GHG Projections

Figure 12 San Leandro GHG Emissions with Reduction Strategies, 2020 to 2050 (Absolute) (MTCO₂e)



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

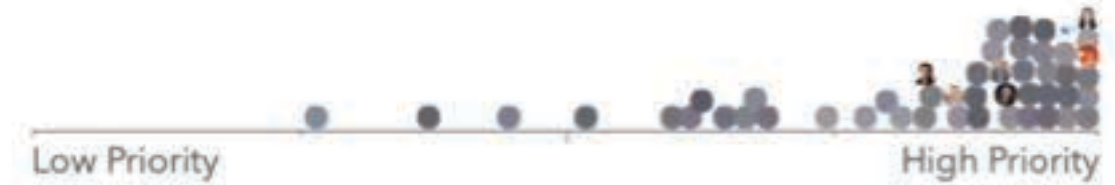


49 opinions
71% average



Improve community-wide preparation and response to hazardous conditions

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

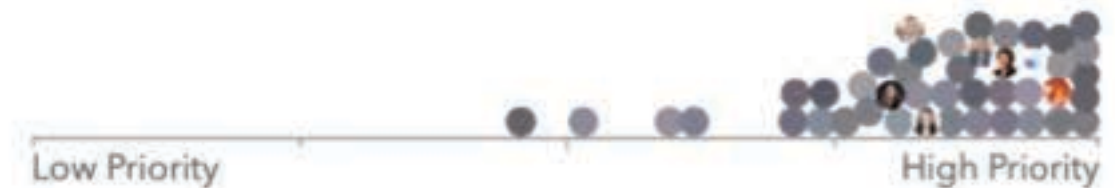


49 opinions
71% average



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



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

