

L.A.'s Green New Deal

ANNUAL REPORT

2020-2021



**ENVIRONMENT
ECONOMY
EQUITY**

L.A.'s Green New Deal

Annual Report 2020-2021



ENVIRONMENT . ECONOMY . EQUITY



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Letter from Mayor Eric Garcetti

The world has always looked to Los Angeles as the frontier of tomorrow — a place where dreamers and doers come to test their ideas, reimagine the world around us, and ultimately stretch the boundaries of what’s considered possible.

Angelenos bring that spirit to everything we do: the fight against inequality; the battle for social, economic, and environmental justice; the effort to tackle a deadly virus and defeat it; and the campaign to confront what amounts to a monumental threat to our health and a massive economic opportunity for us all — the gathering storm of climate change.

Last spring, we expected to mark the first anniversary of L.A.’s Green New Deal by highlighting our remarkable accomplishments to-date and our journey up ahead. But then the world changed seemingly overnight and forced us to refocus our time and energy toward a new and all-encompassing task. COVID-19 took aim at our lives and upended our livelihoods, forcing us to summon every ounce of our collective will simply to survive. And this pandemic revealed a fundamental truth: no matter what happened next, the old normal would not suffice. We simply could not return to business as usual.

Now, with the wonders of science bringing us closer to the end of the pandemic, our eyes are squarely fixed on the road to recovery. And that path can be found within the pages and priorities of L.A.’s Green New Deal.

With 140 milestones and nearly 500 initiatives, this comprehensive plan charts a course toward a healthier city, a stronger economy, and a more equitable future. This vision gives us a blueprint for how we can double down on solutions that will keep our families safe, drive jobs and opportunity, and fortify the foundation for a more livable Los Angeles.

The report that follows digs into the details of where we are in the course of our Green New Deal and what we have left to do to realize its promise. But we can already see what’s possible from some of the extraordinary milestones of the past year:

- The release of LA100, an unprecedented analysis of the City’s pathways to reaching a 100% renewable energy grid.
- The installation of our 10,000th commercial electric vehicle charger — the most of any city in the United States.
- The steps to help low-income households, schools, and LADWP customers embrace energy efficiency and cleaner options.
- The improvements to our infrastructure in the form of Slow Streets, more bike lanes, more zero emissions buses, and more wind power.
- The establishment of the nation’s first Climate Emergency Mobilization Office.

The list goes on, and there’s more in the chapters to follow. Every which way we look at it, one thing is clear: L.A. is leading the charge toward a green and just future.

Yet as a city at the crossroads of global commerce and culture, we know better than anyone that our core challenges as a society — whether rising emissions, a deadly virus, or economic upheaval — aren’t limited by municipal borders or national boundaries, so our solutions can’t be either. That’s why our leadership in C40 Cities is so critical. As Chair of the organization, I brought the core priorities of L.A.’s climate vision to the creation of a Global Green New Deal. Together, we have developed a C40 Mayors Agenda for a Green and Just Recovery, so any post-COVID-19 recovery is sustainable and equitable. And as we march toward the next climate summit in Glasgow this fall, we are enlisting at least 1,000 cities to join our movement in our Race to Zero campaign.

There is so much left to do, and this year’s annual report is a reminder that we have the will, the determination, and the ability to keep the momentum going. We simply have no choice: we are fighting for nothing less than our right to live, thrive, and leave a better world for generations ahead — and with L.A.’s Green New Deal, I know we can meet our goals, and we will.

Sincerely,



Mayor Eric Garcetti





Photo credit: L.A. Mayor's Office

Letter from Chief Sustainability Officer Lauren Faber O'Connor

This past year has been unlike anything we've ever experienced. As we laid the groundwork for the decade of climate action, our world was shaken by the COVID-19 pandemic. The Mayor's Office of Sustainability was redeployed to assist with Los Angeles' pandemic response, ranging from Emergency and Business Operations where we helped get PPE to frontline workers, to staffing the Mayor's help hotline, to translation services to ensure everyone had access to the information they needed during this time of uncertainty. It's safe to say that the scope of our responsibilities expanded in the most unfathomable of ways.

Over this past year, it became clear that the ongoing health, economic, and racial justice crises could not be treated in isolation, and that these deeply connected issues require inclusive solutions rooted in sustainability, climate justice, and economic empowerment. To simultaneously remedy these shortcomings, we tapped our networks to start building food insecurity programs and kept farmers markets open so local farmers could protect their livelihoods and safely offer healthy food to residents. We made sure BlueLA continued operating so that low-income individuals still had access to electric vehicles to meet their basic needs. We worked to expand access to outdoor space through our Slow Streets program that can now be found in 28 neighborhoods across the city. We reached out to our counterparts across the United States and around the world to share best practices and solutions on how to fight the pandemic and advocate for a green recovery.

As we discussed what a recovery might look like, we kept returning to the foundation laid through L.A.'s Green New Deal. We realized that the blueprint for a healthier, more prosperous, and more equitable Los Angeles was right under our noses — it's expanding our mobility options and our transit networks to accelerate our emission reduction goals, putting Los Angeles on an irreversible course to a carbon-free energy grid, and making equity and climate justice the lens through which all our decisions are refracted.

This year's annual report reflects our unwavering commitment to these goals. With two thirds of the 94 near-term milestones on track, achieved, or exceeding our targets, you'll have a glimpse at the incredible progress we've made, and the work that's still to be done. Evidence of our progress can now be seen in our streets— from the expanded tree canopies in our hottest neighborhoods and the electric buses rolling down our most congested corridors, to the solar panels lining our iconic skylines. Your commitment to sustainability is now reflected in the city we call home, and your continued commitment to tackle the most pressing issues of our time is the fuel that will allow us to realize our vision of cleaner air, lower emissions, and healthier communities.

Sincerely,



Lauren Faber O'Connor
Chief Sustainability Officer





Photo credit: L.A. Mayor's Office

The Mayor's Office of Sustainability

Chief Sustainability Officer	Lauren Faber O'Connor	Senior Manager of the C40 Steering Committee	Ana Gomez
Deputy Chief Sustainability Officer	Dominique Hargreaves	Policy Analyst	Elena Guevara
Director of Operations	Victoria Simon	Air Quality Advisor	Irene Burga
Director of the Office of the C40 Chair	Julie Ciardullo	Buildings Climate Advisor	Megan Ross
Director of Vehicle Electrification and City Projects	Michael Samulon	Transportation Climate Advisor	Jessica Jinn
		CivicSpark Climate Action Fellow	Emily Ng



Departmental Chief Sustainability Officers

Department of Aging	Jennifer Ware	Housing & Community Investment Department	Sally Richman EJ Martinez
Department of Animal Services	Mark Salazar	Information Technology Agency	Maryam Abbassi Ryan Norwall
Department of Building & Safety	Osama Younan Domenico Barbato	Los Angeles Public Library	Eloisa Sarao
City Administrative Officer	Patty Huber	Department of Neighborhood Management	Jasmine Elbarbary
Department of Convention & Tourism Development	Victoria Wigle	Office of Petroleum & Natural Gas Administration	Erica Blyther
Department of Cultural Affairs	Benjamin Johnson	Personnel Department	Steven Montagna
Economic & Workforce Development Department	Michael Cole	Department of City Planning	Shana Bonstin
Emergency Management Department	Carol Parks	Los Angeles Police Department	Sandra Russell
Los Angeles City Fire Department	Fred Mathis Stacy Gerlich		Mahmood Karimzadeh
Department of General Services	Lisa Gabriel	Bureau of Engineering	Zohra Akhter
	Chris Cannon	Department of Sanitation & Environment	Doug Walters
Port of Los Angeles	Rachel McPherson	Bureau of Street Lighting	James Quigley
Housing Authority Los Angeles	Jenny Scanlin Jill Noland	Los Angeles World Airports	Tamara McCrossen-Orr
Department of Recreation & Parks	Matthew Rudnick	Department of Transportation	Marcel Porras
StreetsLA	Greg Spotts	Los Angeles Department of Water & Power	Steve Baule
		Los Angeles Zoo	Darryl Pon

Annual Report at a Glance

Below are all of the outcomes due to be completed by the end of 2021.
Two-thirds of the 97 short-term outcomes are on track, have been achieved, or have exceeded the goal.

Progress Key (The icons show the progress being made toward each milestone)

-  Making progress toward milestone
-  Milestone achieved
-  On track to achieve milestone by target date
-  Milestone exceeded/Achieved early






Environmental Justice

Short-term Milestones









Progress

Dramatically reduce exposure to health-harming pollutants in our most disadvantaged communities by 2025	
Invest in housing, services, and infrastructure upgrades that will improve the quality of life for sensitive populations including children, the homeless, and elders by 2025	
Implement cost-saving programs to alleviate financial burdens in our most vulnerable communities by 2025	
Improve access to community programs in low-income areas by 2025	
Deploy air quality tracking in high scoring CalEnviroScreen neighborhoods by 2021	
Create an annual oil well and facilities compliance inspection program, prioritizing communities in closest proximity to facilities by 2021	
Increase the percentage of zero emission vehicles in the city to 25% by 2025; 80% by 2035; and 100% by 2050	






Renewable Energy

Release 100% Renewable Energy Plan by 2020	
Expand Feed-in-Tariff (FiT), community solar, and increase cumulative MW of local solar to 500 MW by 2021	
Increase cumulative MW of energy storage to 1,428-1,524 MW by 2021	
Launch residential thermostat demand response (DR) program, and increase cumulative MW of DR to 96 MW by 2021	
Invest \$8 billion to upgrade power system infrastructure and ensure power system reliability by 2022	

Local Water

Ensure that \$80 million annually from Measure W supports multi-benefit projects that improve water quality by 2020	
Increase stormwater capture to 75,000 AFY by 2021	
Complete Programmatic environmental impact report (EIR) by 2022 for 100% water recycling by 2035 plan*	
Replace 108 miles of water mainlines by 2021	
Produce 1.5 millions of gallons per day (MGD) of recycled water at Hyperion Water Reclamation Plant (WRP) for use at LAWA and other local facilities by 2021	
Establish guidelines for incorporation of green infrastructure into street and sidewalk repair projects by 2021	
Expand existing programs and develop targeted campaigns to increase awareness on L.A.'s water policy goals by 2021	
Establish permanent drinking water access in Skid Row by 2021	

Clean & Healthy Buildings

Use energy efficiency to deliver 15% of L.A.'s projected electricity needs by 2020	
Design and implement policies to decarbonize new buildings by 2021	
Design and implement policies to decarbonize existing buildings by 2021	
Invest \$100 million in energy efficiency programs to renters and affordable housing customers by 2021	
Achieve and maintain +85% compliance with Existing Building Energy & Water Efficiency (EBEWE) program by 2021	

Short-term Milestones

Progress



Housing & Development

- Complete Transit Neighborhood Plans underway for Purple Line Extension and Orange Line by 2020
- Implement the Mayor's A Bridge Home program by building at least 1,500 beds across the city by 2021
- Build 100,000 new housing units by 2021
- Complete Downtown Community Plan by 2021
- Enforce the Rent Stabilization Ordinance and further enhance tenant protections by 2021
- Build 15,000 units of affordable housing by 2021



Mobility & Public Transit

- Launch a behavior change campaign to encourage shared, sustainable mobility options*
- Adopt a Mobility First policy by 2021
- Launch a user-friendly, searchable app mapping all curbside designations throughout the city by 2021
- Use transportation data to ensure that new transit, app-enabled, and for-hire mobility options are equitably available across the City by 2021
- Expand Metro Bike Share to at least three new neighborhoods by 2021
- Ensure all autonomous vehicles used for sharing services are electric by 2021



Zero Emission Vehicles

- Distribute 1,000 used electric vehicle (EV) rebates, 11,500 Level 2 EV charger rebates, and 75 DC fast charger rebates by 2021
- Develop a zero emission roadmap for LAX by 2021
- Develop roadmap for Fossil Fuel Free Zone by 2021; and implement by 2030*
- Electrify LA Metro's G (Orange) and J (Silver) Lines by 2021*
- Introduce 155 new electric DASH buses into fleet by 2021
- Install 10,000 commercial EV chargers by 2022; and 28,000 by 2028*



Industrial Emissions & Air Quality Monitoring

- Deploy community air quality monitoring networks by 2021
- Expand the city's efforts to improve air quality from industrial sources by 2021
- Create an annual oil well and facilities compliance inspection program by 2021
- Support the implementation of refinery and heavy duty industry emission reduction plans by 2021
- Reduce oil production by 40% below 2013 levels by 2021
- Eliminate backlog of leaks within the natural gas supply chain by 2021
- Develop an auditing and tracking program for oil and gas wells throughout the City by 2021
- Improve tracking for emissions from imported oil and gas by 2021








































Waste & Resource Recovery

- Pass legislation requiring take-out foodware be made with compostable material / Ban expanded polystyrene citywide by 2021
- Cut illegal dumping by one-third by 2021
- Reduce the number of street grids rated 'unclean' by one-third by 2021
- Increase construction and demolition (C&D) waste recycling requirements to at least 80% by 2021
- Pilot a sector-specific recycling program by 2021
- Conduct a waste characterization and diversion study every four years with the first one being done by 2021
- Design and implement a zero waste policy for City-sponsored and permitted events by 2021
- Launch an educational awareness campaign on source reduction by 2021
- Establish food scraps drop-off locations at all city farmers markets by 2021
- Launch citywide residential food scraps collection by 2021
- Modernize the City's environmentally preferable purchasing policy to include waste reduction strategies by 2021
- Pilot an industrial materials exchange program by 2021



Annual Report at a Glance

	Short-term Milestones	Progress
 Food Systems	Increase food recovery beyond pre-packaged food at LAX by 2021	
	Establish a healthy food cart program and support early-stage good food entrepreneurs by 2021	
	Leverage public property for urban agriculture by increasing the number of edible gardens in City parks and public libraries by 50% by 2021	
	Double participation in the Urban Agriculture Incentive Zone program by 2021	
	Commission a study to strengthen our infrastructure for a more resilient local food system by 2021	
	Pilot two healthy soil projects by 2021	
 Urban Ecosystems & Resilience	All new roofs must be cool roofs by 2020; and install 13,000 additional cool roofs by 2021	
	Plant and maintain at least 90,000 trees citywide by 2021	
	Complete citywide tree inventory by 2021; and an Urban Forest Management Plan by 2025	
	Create a partnership to develop an 100-acre L.A. River open space by 2021	
	Initiate work on L.A. River reaches 6, 7, and 8 by 2021	
	Increase access by completing 3 active transportation bridges by 2021	
	Complete at least 1 additional mile of LARiverWay bike paths and trails by 2021	
	Pilot 6 cool neighborhoods in vulnerable communities by 2021	
	Set biodiversity targets and pilot L.A.'s first wildlife corridor by 2021	
	Update a citywide Integrated Pest Management plan by 2021	
 Prosperity & Green Jobs	Open green career pathways through various programs and partnerships by 2021	
	Create 100,000 green jobs by 2025	
	Increase the total number of businesses certified and recertified through the Green Business Certification Program to 1,000 by 2025	
	Support businesses in the city through a robust range of programs and services focused on the specific needs of businesses by 2025*	
 Lead by Example	Install 15 MW of solar at the Port by 2021	
	Expand municipal and proprietary buildings retrofits by 2021	
	Transition to paperless personnel files by 2021	
	Adopt and implement a sustainable technology policy across all City departments by 2021	
	Ensure all City facilities are equipped with appropriate recycling, including recycling for machining material and organics collection, by 2021; and proprietary facilities by 2024	
	Deploy additional charging stations by 2021	
	Lead locally and nationally on EV adoption by 2021	
	All vehicle procurement will follow a "zero emission first" policy for City fleets by 2021	
	Implement GHG performance standards for material procurement for purchasing by City Departments by 2021	
	Create a Climate Emergency Commission that empowers impacted communities in implementation of L.A.'s GND by 2019	
	Launch GND engagement campaign by 2020	
	Develop and implement sustainability training for on-boarding all new City employees by 2020; and current employees by 2021	
	Convene 10 citywide forums through the Department of Neighborhood Empowerment, inviting participation from 96 Neighborhood Councils on critical sustainability issues by 2021	

*Milestone language has been updated



Photo credit: L.A. Department of Water & Power

C40 Cities



Photo credit: L.A. Mayor's Office

THE DECADE OF CLIMATE ACTION

In December 2019, Mayor Garcetti assumed the chairmanship of C40 Cities, a global network of nearly 100 of the world's leading mayors providing powerful leadership on climate action — and declared the 2020s the “Decade of Climate Action.” Under his leadership, C40 has evolved its vision of climate action into one that is centered around a Global Green New Deal — a vision built on the understanding that climate, social, and economic justice can only be achieved through collective action.

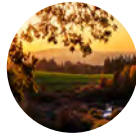
The Global Green New Deal is C40's blueprint for delivering climate justice and more inclusive economies worldwide, and mayors are working alongside a broad coalition of representatives from labor, business, youth, and civil society to realize its goals and raise our climate ambition.

2020



MARCH

In response to the global COVID-19 pandemic, C40 Chair Mayor Garcetti convened a virtual meeting of 45 mayors and senior city leaders representing 360 million people across 31 countries to share best practices on how cities were working to save lives and protect livelihoods during the COVID-19 pandemic.



APRIL

11 C40 mayors united to launch the [Global Mayors COVID-19 Recovery Task Force](#) to map out a course to rebuild our cities and economies in a way that improves public health, reduces inequality, and addresses the climate crisis. The Task Force released a set of governing principles to ensure a green and just recovery from the pandemic.



SEPTEMBER

C40 launched its new [Global Green New Deal](#) Pilot Program for 20+ champion cities across 5 regions. It supports mayors reimagining communities in a way that is low-carbon, just, and prosperous for all. Through the C40's Divesting from Fossil Fuels, Investing in a Sustainable Future Declaration, the mayors of 12 cities, including Los Angeles, committed to use their influence to drive high-return investments in a green economy.



OCTOBER

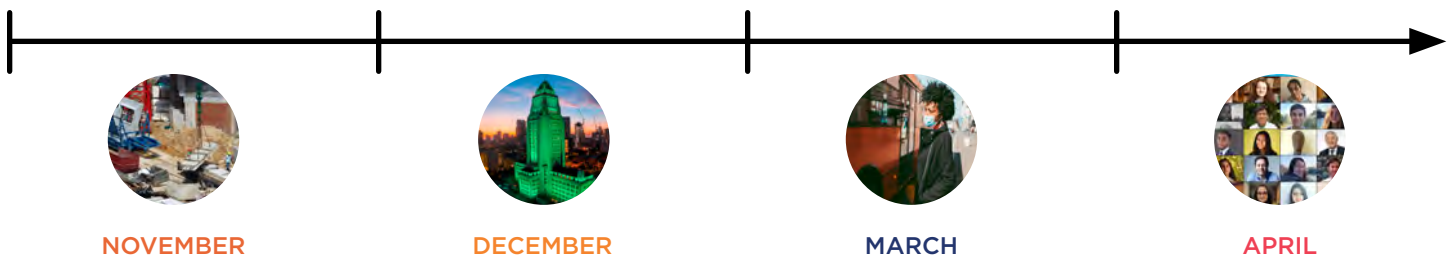
[The Case For A Green And Just Recovery Report](#) finds that stimulus funding that supports a green and just recovery offers a means to keep global heating below 1.5°C, and could reduce air pollution by as much as 30% between 2020-2030. The report also found that a green and just recovery could create over 50 million sustainable jobs by 2025 — over a third more than would be created by investing equivalent funds into a high-carbon recovery.

Over the course of the pandemic, C40 Mayors have been able to tap into these same relationships and adapt to meet the needs of their residents — sharing best practices and lessons learned on crisis response, and discussing what a sustainable recovery might look like in each city. Supported by the findings of Global Mayors COVID-19 Task Force — established by Mayor Garcetti and chaired by Milan Mayor Sala — C40 made the call for a green stimulus a rallying cry for local leaders across the globe.

Under Mayor Garcetti's leadership, C40 has strengthened its focus on influencing and partnering with other cities, including through the Cities Race to Zero, launched by Mayor Garcetti in November 2020. Science tells us that we must cut emissions in half by 2030 if we are to avoid runaway climate change. Nothing short of transformational change on a global scale is needed within the decade, and that is at the heart of Mayor Garcetti's vision.

ROOTED IN A GLOBAL GREEN NEW DEAL

2021



NOVEMBER

DECEMBER

MARCH

APRIL

Through the C40's [Clean Construction Declaration](#), the mayors of Budapest, Los Angeles, Mexico City, and Oslo pledged to halve emissions from construction activities by 2030 from buildings and infrastructure. The Declaration highlights how clean construction principles can shift the market to tackle consumption-based construction emissions, while delivering a green and just recovery from COVID-19, tackling the climate crisis, and increasing air quality and equitable outcomes.

Inspired by the Mayor Garcetti, C40 aims to recruit 1,000 cities through the [Cities Race to Zero campaign](#). Part of the COP26 global campaign to rally support from cities, businesses, regions, and investors for a healthy, resilient, zero carbon recovery, the campaign mobilizes cities to deliver on the 1.5°C ambition of the Paris Agreement, within the context of a green and just COVID-19 recovery and the Global Green New Deal.

The [Future is Public Transport campaign](#), an effort convened by C40 International Transport Workers' Federation and a Global Day, offers new insight on the risks of neglecting mass transit and the benefits of accelerated green investments in public transport. Transport workers, unions, and mayors from leading global cities, including Los Angeles, Milan, Johannesburg, and Tshwane joined forces to call on world leaders to make the transformative investments necessary to build out public transit infrastructure, create millions of jobs, and confront the climate crisis.

As part of Mayor Garcetti's C40 Global Youth Initiative, the Global Youth and Mayors Forum was established to bring together youth climate activists and mayors from around the world to help shape the vision and accelerate the implementation of the Global Green New Deal. The Forum held their first in a series of collaborative meetings in April 2021 in advance of COP26.

Cities around the world are watching closely and taking inspiration from Los Angeles, because this is the thriving, low-carbon future we need being created before our eyes.

— **Mark Watts**
C40 Cities Executive Director



Photo credit: David Pinsky

Where L.A. is Leading



Environmental Justice

- L.A. launched the country's first Climate Emergency Mobilization Office.



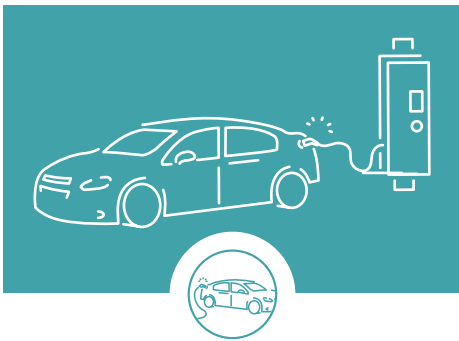
Renewable Energy

- L.A. is the #1 solar city 6 out of the last 7 years.
- Completed LA100, the most comprehensive pathways study showing 100% renewable energy is achievable, affordable, and reliable.



Local Water

- L.A. has one of the lowest per capita water usages — 105 gallons of water per person per day — of any major U.S. city.



Zero Emission Vehicles

- L.A. is home to more electric vehicles than anywhere else in the U.S.
- At over 10,000, L.A. is home to the most commercial EV chargers of any US city.



Air Quality

- L.A. reduced oil production by over 40% below 2013 levels in 2020.
- L.A. is expanding community air monitoring in city street light poles, demonstrating innovative ways to utilize this longstanding city infrastructure.



Waste & Resource Recovery

- L.A. Department of Sanitation & Environment (LASAN) is the nation's first city government to commit to zero emissions refuse trucks for its entire fleet by 2035.



Clean & Healthy Buildings

- L.A. has 546 ENERGY STAR certified buildings — more than any other city in the U.S. This year is the 8th time that L.A. has held the #1 spot, and the city has never dropped below #2 in the 12 years since rankings began.
- L.A. is the first city to adopt the Buy Clean CA Act for procurement of low-carbon materials for infrastructure projects.



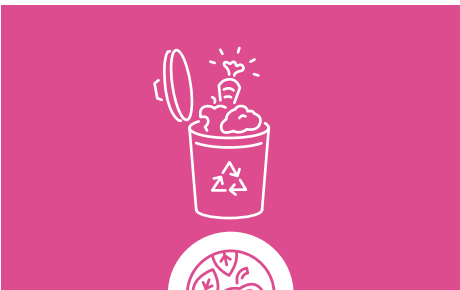
Housing & Development

- L.A. instituted the Emergency Rental Assistance Program, allocating \$103 million to provide a temporary rent subsidy for tenants impacted by COVID-19.
- The Eviction Defense Program was expanded citywide, providing support for pre-eviction legal services.



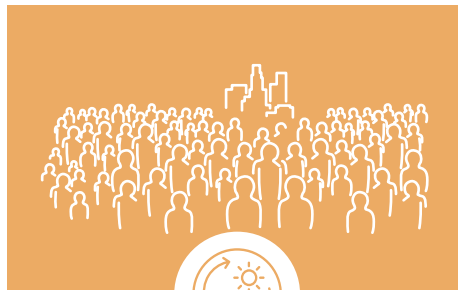
Mobility and Public Transit

- LADOT and Metro committed to 100% electric bus fleets by 2030; through ED 25, LADOT's target has been accelerated to 2028.
- Over 296,000 Metro Bike Share trips were taken in fiscal year 2019/2020.



Food System

- The Griffith Park Composting Facility, a first in the nation, turns 3,500 tons/year of organic material into compost which is then used to build healthy soils in the city.



Urban Ecosystems & Resilience

- L.A. is the first North American city to apply the Singapore Index on L.A.'s biodiversity.
- This year, L.A. became the largest city in the U.S. to be certified as a biodiversity haven by the National Wildlife Federation.



Prosperity & Green Jobs

- L.A.'s Green New Deal supported over 19,000 infrastructure construction jobs in 2020.



Environmental Justice

2021

2025



Deploy air quality tracking in high scoring CalEnviroScreen neighborhoods

Over 20 air quality sensors have been deployed in underserved communities in L.A. offering significant local air quality data including in Watts, Boyle Heights, and South L.A. Deploying monitors on city streetlights and inside library branches in partnership with the Bureau of Street Lighting (BSL) and Los Angeles Public Library (LAPL), the monitoring will help increase local awareness of air quality challenges and opportunities. For the Watts air quality monitoring program, visit the [Watts Rising Data Portal](#).

(Source: L.A. Mayor's Office, February 2021)

In 2020, the Bureau of Street Services (StreetsLA) launched a clean air program to evaluate emissions and criteria pollutants from the Bureau's fleet, with the goal of reducing impact. Within the 2020 calendar year, an estimated 10% reduction in transportation pollutants was achieved through a combination of operational efficiencies, piloting innovative approaches, and transitioning to cleaner fuels and vehicles. A separate street paving and urban forest waste materials analysis was conducted: evaluating asphalt, concrete, and mulch to identify environmental impacts and provide innovative and sustainable recommendations to reduce impact.

(Source: StreetsLA, February 2021)



Create an annual oil well and facilities compliance inspection program, prioritizing communities in closest proximity to facilities

The City Attorney is working with the Office of Petroleum and Natural Gas Administration (OPNGAS) to draft an ordinance for an annual compliance certification program that will ensure that oil drill sites in L.A. are in compliance with local, state, and federal laws that protect the health and welfare of residents through inspection of records and permits, including history of enforcing compliance with violations.

(Source: Office of Petroleum and Natural Gas Administration and Safety, March 2021)

In December 2020, the Energy, Climate Change, Environmental Justice, and River Committee unanimously approved a motion instructing the Department of City Planning (DCP) to report on the staffing needed to conduct an amortization study of neighborhood oil drilling and a legal pathway for the establishment of health and safety buffers around existing oil wells, as well as the eventual phase out of oil drilling in L.A. The motion will go through additional committees before being voted on in full council.

(Source: L.A. Mayor's Office, February 2021)



Photo credit: L.A. Public Library



Increase the percentage of zero emission vehicles in the city to 25% by 2025; 80% by 2035; and 100% by 2050

In 2019, the percentage of zero emission vehicles in Los Angeles was 2%. This is a 25% increase in zero emission vehicles on the road compared to the 2018 total.

(Source: [California Energy Commission](#), March 2021)

In October 2020, the Port of Los Angeles released a clean truck program Request for Information (RFI) to mobilize public and private finance to accelerate the commercialization of zero emission (ZE) trucks.

(Source: L.A. Mayor's Office, March 2021)

As of the end of February 2021, 3,978 commercial electric vehicle (EV) charging stations have been installed within disadvantaged communities in L.A.

(Source: L.A. Department of Water and Power, March 2021)



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Environmental Justice

2025



Implement cost-saving programs to alleviate financial burdens in our most vulnerable communities

L.A. CARES Utility Grant Assistance Program: Administered by the L.A. Department of Water and Power (LADWP), this \$50 million program provides qualifying low-income households with a one-time \$500 check in the mail to help pay bills such as gas, cellular phone, WiFi, internet and cable television services.

(Source: L.A. Department of Water and Power, February 2021)

Emergency Rental Assistance Subsidy (ERAS): The Housing and Community Investment Department (HCIDLA) along with non-profit partners implemented this \$103 million program that offered a one-time \$2,000 rent subsidy payment to lower income tenants and their landlords in the City of Los Angeles. About 50,000 households received \$98 million, assisting 49,123 low-income renters throughout Los Angeles.

(Source: L.A. Housing + Community Investment Department, February 2021)



Improve access to community programs in low-income areas

Home Energy Improvement Program: In partnership with the Energy Efficiency for All (EEFA) coalition, LADWP is proposing to expand funding for the Home Energy Improvement program, a no-cost energy efficiency incentive program targeted toward multifamily low-income renters in disadvantaged communities. The LADWP Board of Commissioners is expected to approve the proposal in mid-2021.

(Source: Mayor's Office, March 2021)

L.A. Optimized: This program helps small businesses, particularly brick-and-mortar establishments located in low-income communities, adjust to the rise of e-commerce accelerated during the pandemic by optimizing their online sales and marketing through creative design services.

(Source: Mayor's Office, February 2021)

Residential Eviction Moratorium:

In March 2020, HCIDLA began a temporary moratorium on evictions for non-payment of rent in order to protect residents disproportionately impacted by the pandemic. These actions are designed to prevent unnecessary housing displacement and to prevent housed individuals from falling into homelessness.

(Source: L.A. Housing + Community Investment Department, February 2021)



Photo credit: L.A. Mayor's Office

Open for Business: In partnership with technology-based companies, Ritual and PayPal, the Mayor launched this program to provide struggling restaurants with commission-free, online ordering tools and allowances to help owners maximize their profit through the end of 2020. From those enrolled, Ritual is providing 250 businesses free service fees until the end of 2021.

(Source: Mayor's Office, February 2021)

Mobile Outreach for Vaccine Equity (MOVE): This effort provides mobile vaccinations in the most vulnerable parts of Los Angeles by partnering with neighborhood leaders, council district offices, and community groups to administer the COVID-19 vaccine to the hardest to reach populations. Over 96% of those vaccinated at the mobile clinics have been people of color and in just the first three weeks of these joint vaccine equity efforts, appointments booked by Black Angelenos increased by 28%.

(Source: Mayor's Office, February 2021)



Photo credit: Northeast Valley Artists in collaboration with Pacoima Beautiful

Feature Story

Climate Emergency Mobilization Office

Fulfilling a commitment in L.A.'s Green New Deal, Mayor Garcetti established the first-ever Climate Emergency Mobilization Office (CEMO) in early 2021 along with community partners and City Council. CEMO and its new Director, Marta Segura, will coordinate with the City and frontline communities to meet the commitments of L.A.'s Green New Deal (GND). The CEMO will work hand-in-hand with the Climate Emergency Commission, a group being established by the Mayor and City Council consisting of representatives from disadvantaged and indigenous communities, as well as youth, labor, and academic leaders. Marta Segura M.P.H., a longtime environmental justice advocate and community leader, will prioritize amplifying the voices of underserved communities in climate action.



Photo credit: Marta Segura

"We will collaborate with policymakers and community leaders to create opportunities for all families and workers to build thriving, healthy communities, while we strive to be a model for other cities."

— **Marta Segura**
Climate Emergency Mobilization
Office Director



How is LA100 improving the health of Angelenos?

The LA100 Study shows that meeting our zero carbon grid goal by 2035 will reduce NOx emissions by 95% and PM2.5 emissions by 62%, resulting in 150 avoided deaths annually and an estimated \$1 billion in avoided healthcare costs by mid century. Disadvantaged communities are shown to experience slightly greater reduction in PM2.5 and an increase in associated healthcare savings.

Renewable Energy



2020



Release 100% Renewable Energy Plan

LA100 was formally released on March 24, 2021. Results and insights will be incorporated into LADWP's 2021 Strategic Long Term Resource Planning process.



Photo credit: L.A. Department of Water & Power

2021



Expand Feed-in-Tariff (FIT), community solar, and increase cumulative megawatts (MW) of local solar to 500 MW

LADWP expanded its solar feed-in tariff program from 150 MW of available capacity to 450 MW, launched a feed-in tariff+ (solar and storage) program, and virtual net energy metering pilot. Total installed local solar is currently at 507 MW.

(Source: L.A. Department of Water and Power, May 2021)



Increase cumulative MW of energy storage to 1,428-1,524 MW

Los Angeles currently has 1,308 MW of installed and procured energy storage capacity, including large-scale storage.

(Source: L.A. Department of Water and Power, February 2021)



Launch residential thermostat demand response (DR) program, and increase cumulative MW of DR to 96 MW

LADWP's smart thermostat program for residential customers and small businesses, or "Power Savers," launched on June 17, 2020, and the cumulative demand response capacity across all DR programs is expected to hit 100MW by the end of the year based on pre-pandemic activity levels.

2022



Invest \$8 billion to upgrade power system infrastructure and ensure power system reliability

Since 2019 LADWP has invested \$5.8 billion in infrastructure operations, maintenance, and has proposed an additional \$3.2 billion total in the upcoming fiscal year for a total of \$9 billion.

(Source: L.A. Department of Water and Power, April 2021)

2025



End coal-based electricity in L.A.'s fuel mix by 2025

LADWP continues to ramp down coal use and is planning the transformation of Intermountain Power Plan (IPP) into the nation's first green hydrogen generating station and renewables resource hub.



Photo credit: L.A. Mayor's Office,

Feature Story

L.A.'s Accelerated Path for a Clean Energy Future

In partnership with the U.S. Department of Energy's National Renewable Energy Laboratory and an advisory group of L.A.-based stakeholders, LADWP completed the three-year LA100 study in March of 2021. The findings of the LA100 study highlight pathways by which the largest municipal utility in the country can achieve a 100% renewable energy grid, while maintaining reliability, and prioritizing equity and affordability for customers. This groundbreaking study is the first of its kind in the country.

The report concludes that 100% renewable energy is achievable, reliable, and affordable, and that higher rates of electrification for buildings and transportation result in lower costs and more significant health improvements. On March 10, 2021, Mayor Garcetti testified before the U.S. Senate Environment and Public Works Committee regarding the conclusions of LA100 and at his State of the City address on April 19, 2021 Mayor Garcetti committed to a carbon free grid by 2035, a 10-year acceleration of his GND goal. The study provides a blueprint for other localities to follow Los Angeles' ambitious plan to transition to a 100% renewable energy grid.



Photo credit: L.A. Department of Water & Power

"Los Angeles isn't waiting for solutions to the climate crisis to show up on our doorstep — we're forging the path to a resilient, green power grid ourselves. This groundbreaking study will help put our City on the fast track to a 100% renewable energy future and provide a blueprint for an affordable, reliable, and sustainable system for cities around the world."

— Mayor Eric Garcetti



Sun-Powered City

The 507 MW of locally installed solar power in Los Angeles is enough to power 140,000 homes.

L.A.'s boldest water initiative - Operation NEXT - will invest \$8 billion in infrastructure to recycle and distribute water in Los Angeles that will ultimately produce three times more water than the L.A. Aqueduct along with thousands of good jobs.

Operation NEXT will help achieve L.A.'s goal of recycling 100 percent of its wastewater by 2035 — creating a sustainable new source of water in Los Angeles for generations to come.

— Mayor Eric Garcetti



Photo credit: L.A. Department of Water & Power



Local Water

2020



Ensure that \$80 million annually from Measure W supports multi-benefit projects that improve water quality

Eight regional multi-benefit projects were approved through the Safe Clean Water Round 1 Regional Program and six municipal multi-benefit projects totalling \$118 million in Measure W funds for the city of Los Angeles.

(Source: L.A. Department of Sanitation and Environment, February 2021)



Photo credit: L.A. Department of Water & Power

2021



Increase stormwater capture to 75,000 acre-feet per year (AFY)

Stormwater capture capacity has increased by over 74,000 AFY and an additional 8,000 AFY of capture capacity at the Tujunga Spreading Grounds Enhancement Project will be completed by the end of 2021.

(Source: L.A. Department of Water and Power, January 2021)



Replace 108 miles of water mainlines by 2021; 530 by 2028

A total of 108.9 miles of water mainlines have been replaced. Leak rates for fiscal year 2019/2020 achieved a record-setting low for Los Angeles with 15 leaks/100 miles, which is 40% better than the national average.

(Source: L.A. Department of Sanitation and Environment, May 2021)



Produce 1.5 million gallons per day (MGD) of recycled water at Hyperion Water Reclamation Plant (WRP) for use at Los Angeles World Airports (LAWA) and other local facilities

Construction of the Advanced Water Purification Facility at Hyperion that will produce the 1.5 MGD will be completed in 2022, and installation of the recycled water pipeline to LAX from Hyperion has begun.

2021



Establish permanent drinking water access in Skid Row

Five hydration stations have now been installed in Skid Row.

(Source: L.A. Department of Recreation and Parks, January 2021)

2022



Complete programmatic environmental impact report (EIR) by 2022 for 100% water recycling by 2035 plan*

The public California Environmental Quality Act process for the Programmatic EIR started in March 2021 with the goal of completing the final Programmatic EIR by 2022.

*Milestone was previously - Complete programmatic EIR for One Water L.A. 2040 plan. The milestone was rewritten to better align with L.A.'s Green New Deal Zero Wasted Water goals, and the target date shifted to 2022. Initiatives focused on One Water L.A. are incorporated elsewhere in L.A.'s Green New Deal and the Resilient L.A. plan.



Photo credit: L.A. Mayor's Office

Feature Story

Leading Innovation in Recycled Water

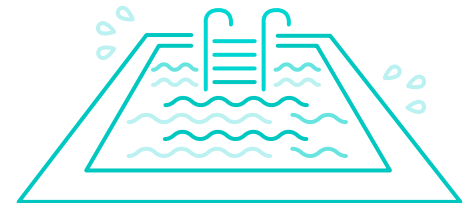
In July 2020, construction of the Hyperion Membrane Bioreactor (MBR) Pilot Facility began - a critical first step in transforming Hyperion into the largest water reclamation plant in the country by 2035. Using cutting edge technology, the MBR Pilot Facility converts the existing secondary treatments facility into an advanced water purification system suitable for potable reuse. If successful, application of the technology could produce up to 174 million gallons per day of purified recycled water at Hyperion, enough for 828,000 homes. This demonstration project not only helps ensure a safe, resilient, and equitable water supply for L.A. but will serve as a national model for sustainable water practices.



Photo credit: L.A. Department of Water & Power

"Los Angeles stands on the leading edge of smart planning for a sustainable future -- and reaching the goal of 100% recycled wastewater is a critical step toward ensuring equal access to clean water for all Angelenos. The COVID-19 crisis has only reinforced the urgency of investing in our resilience and self-sufficiency, and Hyperion pilot will equip us with the tools to meet this moment and produce high-quality recycled water in our own backyard."

— Mayor Eric Garcetti



How Much Water Did We Save?

Since May 2019, L.A. has saved a total of 11.6 billion gallons of water, which is enough water to supply approximately 81,000 homes annually, and since Mayor Garcetti took office, L.A. has saved a total of 221.6 billion gallons of water — enough to fill 336,000 Olympic-size swimming pools.



Clean & Healthy Buildings

2020



Use energy efficiency programs to deliver 15% of L.A.'s projected electricity needs by 2020

LADWP's efficiency incentive programs help reduce the overall demand on the electrical grid by decreasing the energy required to power our homes and buildings. Thanks to these programs, LADWP's electricity needs are 16% lower than they would be if no efficiency measures had been implemented.

(Source: L.A. Department of Water and Power, February 2021)



Photo credit: L.A. Mayor's Office

2021



Design and implement policies to decarbonize new buildings

On January 1, 2021, LADWP launched the Zero by Design program to incentivize the design of highly efficient buildings that go beyond industry efficiency standards toward zero carbon. LADWP has also completed several building electrification studies in collaboration with other California utilities to inform program development.



Design and implement policies to decarbonize existing buildings

The Mayor's Office continues to collaborate with stakeholders and City Council on key elements such as community engagement on policy design and incentive development.



Invest \$100 million in energy efficiency programs to renters and affordable housing customers

In collaboration with stakeholders and the Mayor's Office, LADWP is developing a new incentive program for comprehensive energy efficiency retrofits, electrification, and renewable energy adoption in multifamily housing where tenants are income qualified. The development will also expand the Home Energy Improvement Program, a no-cost direct-install energy efficiency program that connects local workers to job training opportunities.



Achieve and maintain +85% compliance with Existing Building Energy & Water Efficiency (EBEWE) program

To alleviate the financial burden on business owners, L.A. Department of Building and Safety (LADBS) temporarily suspended deadlines for [EBEWE](#) compliance during the COVID-19 emergency. The Mayor's Office is collaborating with L.A. Better Buildings Challenge on a pilot program to support building owners complying with EBEWE for the first time. Before the COVID-19 deadline suspension, 63% of eligible buildings were tracking their energy and water use in compliance with the program.

(Source: Mayor's Office, L.A. Department of Building and Safety, February 2021)



Photo credit: L.A. Mayor's Office

Feature Story

L.A. Ranked Top ENERGY STAR City

The U.S. EPA ranked Los Angeles as the #1 City for ENERGY STAR buildings with 546 buildings, topping the list for the 8th time since rankings began in 2009. ENERGY STAR certified buildings are more efficient than three-quarters of all other buildings, using an average of 35% less energy - which means lower costs for building users and lower greenhouse gas pollution for the community. ENERGY STAR buildings in Los Angeles saved \$195 million in energy costs compared to typical buildings.

"We're incredibly proud of Mayor Garcetti's leadership and our City collectively as we embrace the building policies needed in this decade of action against climate change. Increased transparency around how we build our buildings combined with increased electrification of how we operate our buildings, while our grid moves to 100% renewable energy, will go a long way in reducing our local carbon footprint."

— **Ben Stapleton**
Executive Director, U.S. Green Building Council - Los Angeles

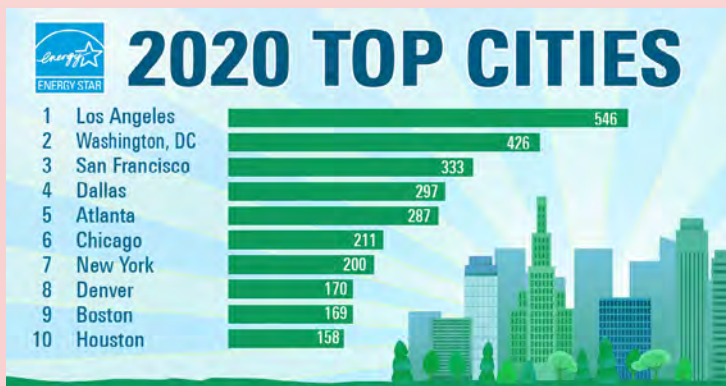


Photo credit: Energy Star



How Much Energy Did We Save?

LADWP saved 350 GWh of power through energy efficiency gains last year, saving approximately \$56 million in customer energy bills. That amount of electricity could power 54,000 homes for a year.



Housing & Development

2020



Complete Transit Neighborhood Plans (TNP) underway for Purple Line Extension and Orange Line

Metro Purple Line TNP will be incorporated into the Wilshire Community Plan program update in 2022 to improve alignment with affordable housing protection, displacement prevention, and job growth goals. Orange Line TNP received feedback in 2020-21 and is currently being updated. Stakeholder outreach to share the updated proposal is expected in late 2021 or early 2022.



Photo credit: L.A. Mayor's Office

2021



Implement the Mayor's A Bridge Home program by building at least 1,500 beds across the city

As of April 2021, 28 [A Bridge Home](#) locations have been opened. The Mayor increased the goal to 2,000 beds by 2021, and the program has already surpassed that goal by opening 2,126 beds across the city.

(Source: L.A. Mayor's Office, April 2021)



Build 100,000 new housing units

Since 2014, a total of 131,773 actual housing permits have been issued by LADBS. A total of 17,988 actual housing permits were issued in FY 2019-2020, more than were issued the previous year.

(Source: L.A. Department of Building and Safety, May 2021)



Complete Downtown Community Plan

The Central City and Central City North Community Plans are being updated and combined as the [Downtown Community Plan](#), which will advance affordable housing and sustainable land use. Public meetings were convened to discuss the second draft and accompanying Land Use Map and Zones. The City Planning Commission will review the plan in mid-2021, followed by the City Council.



Enforce the Rent Stabilization Ordinance and further enhance tenant protections

HCIDLA developed and implemented multiple tenant protection programs in 2020, including eviction moratoriums for those impacted by COVID-19, a freeze on rent raises for units covered by the Rent Stabilization Ordinance (RSO), and deployment of over \$100 million in rental assistance.



Build 15,000 units of affordable housing by 2021; and 45,000 by 2035

The City has delivered 16,233 affordable housing units to-date through Proposition HHH, land use incentives, and other financial programs. An additional 7,542 units are in the HHH pipeline for delivery or already under construction.

(Source: L.A. Mayor's Office, April 2021)



Photo credit: L.A. Mayor's Office

Feature Story

City Opens Affordable Apartments in First HHH-Funded Supportive Housing Developments

Thanks to Angelenos who voted to support Proposition HHH, \$1.2 billion in funds are enabling the City to triple annual production of supportive housing units, putting L.A. ahead of schedule on the commitment to build 10,000 of the units by 2026. Supportive housing is a proven lifeline to lift Angelenos out of homelessness by combining an affordable apartment with on-site health and stability services. In 2020, the City's first HHH-funded units opened for residents, and as of April 2021, 489 units across 7 projects are now completed. Last year, construction also began on 28 projects with over 1,700 housing units. Overall, the Mayor's HHH Housing Innovation Challenge Program and the Proposition HHH Supportive Housing Loan Program implemented by HCIDLA are supporting a pipeline of 125 approved projects that will provide new homes to approximately 9,000 to 13,000 Angelenos.



Photo credit: Alan Padley

"The completion of this project demonstrates how the right partners can fast track turning hope into reality, and interject life back into an area of the city that reflects the abundance and pride of years past,"

— Robert Sausedo

President and CEO of Community Build, at the opening of the supportive housing project at 88th and Vermont



Providing Homes for Angelenos

Programs like Project Roomkey helped place 8,000 additional people experiencing homelessness into shelters and hotels this past year. That's 1 out of every 5 people experiencing homelessness in L.A. The success of Project Roomkey's interim housing program led to Project Homekey, which has provided long-term housing for 1,450 Angelenos in the first 6 months of the program's launch.

During the COVID-19 pandemic, the City of Los Angeles built the largest emergency rental assistance program of any city in the country with government funds. HCIDLA partnered with community-based agencies to implement the Emergency Rental Assistance Subsidy (ERAS) Program, delivering \$2,000 one-time subsidies to 49,123 eligible households.

Together, we've already distributed over \$200 million in direct assistance to Angelenos to pay for rent, utilities, and the basics.

— Mayor Eric Garcetti



Photo credit: L.A. Mayor's Office

Mobility & Public Transit



2021

2025

2028



Launch a campaign to encourage shared, sustainable mobility options*

The City of Los Angeles launched its Green New Deal campaign called [L.A. Forever](#), which helps encourage residents to walk for short neighborhood trips. The campaign's design and imagery will be used by L.A. Department of Transportation (LADOT) as part of their key communications to Angelenos to encourage sustainable mobility options.

Note: This milestone was previously: Launch a regional coordinated advocacy campaign to encourage shared, sustainable mobility options. The milestone was rewritten to reflect a change in the type of campaign that will be launched.



Adopt a Mobility First policy

Through Executive Directive 25, LADOT, DCP, and the Department of Public Works (DPW), in collaboration with the Mayor's Office, will adopt public right of way protocols to prioritize the reduction of vehicle miles traveled and greenhouse gas emissions.



Expand Metro Bike Share to at least three new neighborhoods

Since 2019, Metro Bike Share has expanded into eight new neighborhoods, including Hollywood and North Hollywood. Metro Bike Share can now be found in 25 neighborhoods across Los Angeles.

(Source: L.A. Department of Transportation, February 2021)



Support Metro with their implementation of a congestion pricing pilot

In March 2020, LADOT designated a team to support Metro on their [Traffic Reduction Study](#). Metro is currently engaging community members on four different concepts for the pilot. LADOT is supporting this effort by participating in stakeholder engagement planning and a project technical advisory committee focused on reviewing modeling assumptions and outcomes.



Implement Vision Zero safety improvements

Between 2019 and 2020, the City has made 2,900 [Vision Zero](#) safety improvements, including more than 1,900 crosswalk upgrades on the High Injury Network.

(Source: L.A. Department of Transportation, March 2021)



Improve travel time on L.A. County's bus network by 30 percent

In October 2020, the L.A. Metro Board adopted the [NextGen Bus Plan](#), a comprehensive reimagining of the Metro bus network. The City and Metro have also debuted new bus-only lanes on 5th Street, 6th Street, and Aliso Street, with several other lanes soon to follow. This work is complemented by a new feature allowing L.A. transit riders to access their TAP cards on their smartphones, making it easier and faster to ride transit.



Photo credit: L.A. Mayor's Office

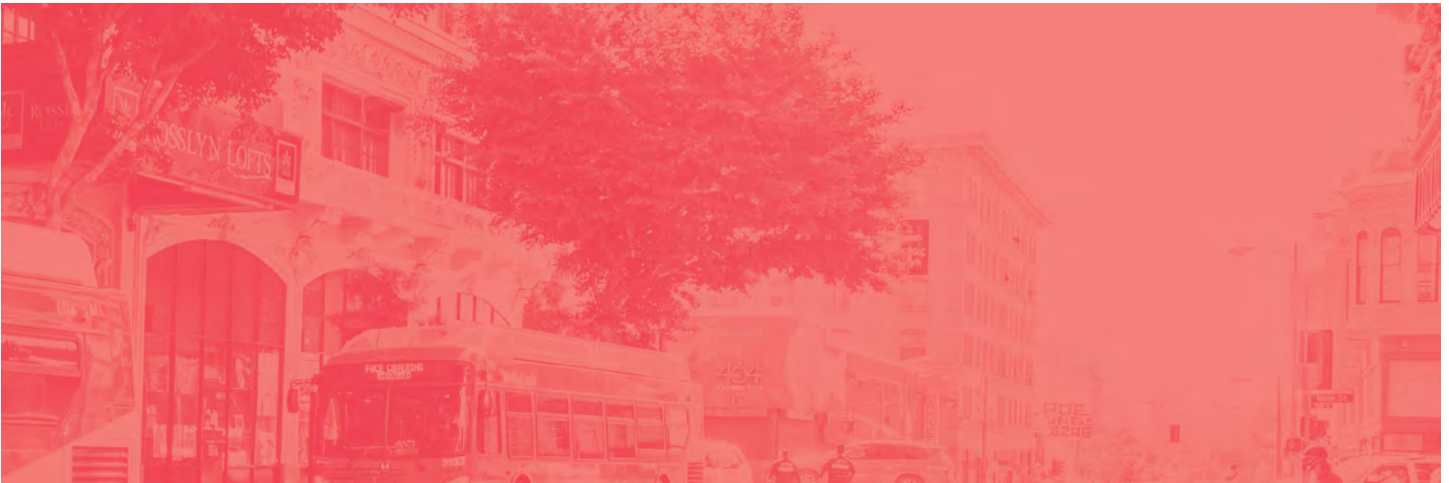


Photo credit: L.A. Mayor's Office

Feature Story

Repurposing L.A. Streets for COVID-19 Relief

On May 15, 2020, Mayor Eric Garcetti announced Slow Streets, a new neighborhood led program to calm traffic on neighborhood streets and alleviate limited access to recreational facilities as a result of COVID-19. As part of the program, residents can nominate small networks of neighborhood streets to receive temporary signage at intersections advising drivers to slow down, giving residents safe spaces to walk, bike, play, and exercise while safely distancing. Since its launch, LADOT has received hundreds of applications and deployed nearly 50 miles of Slow Streets across 28 neighborhoods in the City. In a recent survey of community partners, almost 90% are interested in making their Slow Streets permanent.



Photo credit: L.A. Department of Transportation

"Slow Streets is a neighborhood-driven program to signal to drivers that cars are guests on these streets and they should expect to see people walking, biking, and rolling on them."

— **Seleta Reynolds**
L.A. Department of Transportation
General Manager



Clean Air and Healthy Lifestyles

Over 1 million Metro Bike Share trips have taken place — equivalent to burning 95.6 million calories and removing 572 passenger vehicles off the road for one year.

(Source: L.A. Metro Bike Share)



Zero Emission Vehicles

2021

2022

2035



Distribute 1,000 used electric vehicle rebates, 11,500 Level 2 EV charger rebates, and 75 DC fast charger rebates

Over 1,100 used electric vehicle rebates and 11,000 Level 2 EV charger rebates have been distributed.

(Source: L.A. Department of Water and Power, January 2021)



Develop a roadmap for a Zero Emission Area by 2021*

With support from the American Cities Climate Challenge, the City will complete a Zero Emission Area roadmap by mid-2021 in alignment with the C40 Green and Healthy Streets Declaration signed in 2017.

NOTE: The Zero Emission Area was previously referred to as a Fossil Fuel Free Zone.



Electrify L.A. Metro's G (Orange) and J (Silver) Lines

Electrification of the G Line was completed early, in Spring 2021; J Line electrification has experienced some minor pandemic-related delays and is anticipated to be completed in 2022.

(Source: L.A. Metro, May 2021) Note: L.A. Metro has changed the naming paradigm for its entire system from colors to letters.



Introduce 155 new electric DASH buses into fleet

LADOT purchased 155 new electric buses in 2020 and has started taking delivery and integrating them into daily operations. Chargers for the first 25 buses are in the new Downtown Los Angeles depot, and are partially powered by on-site solar panels.

(Source: L.A. Department of Transportation, February 2021)



Install 10,000 commercial EV chargers by 2022; and 28,000 by 2028

Through March, 2021, 12,030 commercial EV chargers were installed. Over 250 of these are DC fast chargers.

(Source: L.A. Department of Water and Power, March 2021)
Note: This milestone has been modified from publicly available to commercial chargers to better reflect where EV chargers are most utilized to help accelerate EV adoption.



100% zero-emission urban delivery vehicles.

Working with the City Council, LADOT introduced a motion to create a pilot zero emission commercial loading zone curb designation that would require all users to have a zero emission truck, delivery van, or other piece of equipment. The pilot launch is anticipated for mid-2021 and it would be the first mandatory curb designation of its kind in the U.S.



Photo credit: L.A. Mayor's Office



Photo credit: L.A. Mayor's Office

Feature Story

Electric G Line (Orange) Completed

Following the installation of electric bus charging stations at the two ends of the G (formerly Orange) Line route, L.A. Metro deployed its first zero emission electric bus on the G Line in July 2020 and completed the conversion in May 2021. The G Line is one of the most heavily utilized routes in Metro's bus network with more than 21,000 daily riders. Running from North Hollywood through Chatsworth, electrifying the G Line moves the City closer to its target of 100% zero emission buses at LADOT by 2028 and L.A. Metro by 2030.



Photo credit: L.A. Mayor's Office

"The clean transportation revolution is not a distant dream — it's happening on L.A.'s streets right now. Seeing these zero emission buses rolling down our roads in the years ahead will bring us one step closer to realizing our vision of cleaner air, lower emissions, healthier communities, and a more sustainable future for all Angelenos."

— Mayor Eric Garcetti



Making the Switch to Electric

Converting 900 of our old City Fleet gas cars to electric is equal to sequestering carbon from 5,000 acres of U.S. forests every year.



Industrial Emissions & Air Quality Monitoring

2021



Deploy community air quality monitoring networks

A total of 28 City-owned air monitors are currently installed on City-owned street lamps or other City assets, located in L.A.'s most polluted neighborhoods. One project includes the deployment of 13 air monitors in the community of Watts. In partnership with community groups, the BSL, the Mayor's Office, the County of L.A., and South Coast Air Quality Management District (SCAQMD), the purpose of the Watts Rising Air Monitoring project is to raise awareness and education around local air quality challenges and opportunities for action, and build upon the Watts Rising sustainability initiatives such as tree planting and EV charger installations. Data is publicly available on the [Watts Rising website](#).

(Source: L.A. Mayor's Office, June 2021)



Expand the city's efforts to improve air quality from industrial sources

In addition to the City's participation in AB 617 community emission reduction processes, LASAN inspectors have been trained by SCAQMD to identify air quality violations during inspections of businesses that they can refer to SCAQMD to remediate. A review of the Clean Up Green Up Program is also underway, including

recommendations for maximizing community engagement and air quality benefits.



Create an annual oil well and facilities compliance inspection program

The City Attorney is working with OPNGAS to draft an ordinance for an annual compliance certification program to ensure that oil wells and facilities located in oil drilling districts in the City of Los Angeles are in compliance with code requirements and other state and federal laws in order to protect the health and welfare of residents.



Support the implementation of refinery and heavy duty industry emission reduction plans

In 2019, community air monitoring began near polluting sources in Wilmington and Boyle Heights as part of the Assembly Bill 617 community air monitoring and reduction program. The same year, the Community Emissions Reduction Plan (CERP) for both communities was released. The City has been an active participant in the CERP development process, which includes plans for reducing air pollution at oil drill sites and refineries.



Reduce oil production by 40% below 2013 levels

In 2020, oil production in Los Angeles was about 43% below 2013 levels. There are currently orders directing the AllenCo drill site to plug and abandon the 21 wells and permanently close and restore the facility after numerous local, state, and federal violations.

(Source: Office of Petroleum and Natural Gas Administration and Safety, March 2021)



Eliminate backlog of leaks within the natural gas supply chain

[Reporting](#) by the California Air Resources Board (CARB) shows a 600 metric ton reduction of methane emissions from oil and gas production facilities in the South Coast region in 2020. This is the third largest annual reduction of any region in the state.

(Source: Office of Petroleum and Natural Gas Administration and Safety, March 2021)



Photo credit: David Pinsky

Feature Story

A Data-Driven Approach to Improving Air Quality and the Health of Angelenos by Predicting What We Breathe

In October 2020, the City of Los Angeles announced the launch of Predicting What We Breathe, an air quality measurement study funded through a \$1.3 million NASA grant to better understand, predict, and address air quality impacts in Los Angeles. NASA's investment will fund two years of research to devise a platform that uses machine learning to build predictive models which integrate data from ground and space-based air quality measurements. Additionally, as part of the project, community workshops are held to share and integrate learnings for use by residents and to scale solutions to other cities. When complete, the model will be able to provide local officials and community residents with new information to predict local air quality, issue more effective on-the-ground intervention tactics, and receive detailed feedback on the impact of current efforts to reduce air pollution citywide.



Photo credit: L.A. Mayor's Office

"A predictive model based on machine learning such as the one developed by the City of Los Angeles will enhance and enable focused air quality science investigations and predictions, by facilitating the access, integration, understanding and visualization of disparate datasets locally to satellite sensors,"

— **Dr. Jacqueline Le Moigne**
Advanced Information Systems
Technology Program Manager for NASA's
Earth Science Technology Office



Improving Local Health by Reducing Oil Production

In 2020, oil production in Los Angeles was about 43% below 2013 levels, the equivalent of cutting 1,632,923 barrels of oil, enough to take 11,663 car trips across the U.S.

L.A. became the first city in the country to commit to becoming a 100% zero carbon grid by 2035, ten years ahead of schedule. LADWP will show the nation what it takes to build a carbon-free energy grid while prioritizing equity, reliability, and affordability.

With help of NREL's brilliant scientists, the LA100 study is proof that the clean energy transformation is not only possible, but preferable, for all those who want cleaner air, high-quality jobs, and cheaper utility bills.

— **Jennifer M. Granholm**
U.S. Department of Energy Secretary



Photo credit: L.A. Department of Water & Power

Waste & Resource Recovery



2021



Pass legislation requiring take-out foodware be made with compostable material / Ban expanded polystyrene citywide

Working closely with our Council partners, L.A. County, and the Reusable Coalition, a comprehensive single-use plastic foodware reduction policy is in development and expected to be introduced in 2021.



Increase construction and demolition (C&D) waste recycling requirements to at least 80%

In 2019, LASAN completed a yearlong monitoring of C&D waste diversion and disposal for 37 ongoing Public Works projects to determine best practices to increase inert C&D recycling rate to 80% and other C&D recycling rate to 65%. Since 2020, 22 projects met or exceeded the 80% inert C&D and 65% other C&D recycling rates, resulting in 58,316 tons of inert C&D and 5,328 tons of other C&D recycled. Additionally, LASAN has reviewed one C&D facility to potentially expand the number of certified processing facilities to help increase diversion capacity.

(Source: L.A. Department of Sanitation and Environment, March 2021)



Pilot a sector-specific recycling program

In July 2020, LASAN was awarded \$25,000 from the My LA2050 Challenge to pilot a reuse hub where businesses and organizations can store clean textile scraps sorted by color and content that would otherwise end up in landfills. LASAN is bringing on the California Product Stewardship Council to complete an analysis of a materials exchange.



Conduct a waste characterization and diversion study every 4 years

Through the recycLA program, LASAN developed and launched the [Facility Certification Program](#) (FCP), which ensures any facility that accepts waste or recycling from recycLA haulers are aligned with and meet the goals of the City. This includes regular waste characterization and diversion studies, which are anticipated to begin by fall 2021.



Launch citywide residential food scraps collection

In 2019, LASAN launched its Curb Your Food Waste program, a food waste prevention and recycling pilot that includes approximately 18,000 households in 25 neighborhoods across the city. The pilot evaluates the inclusion of food scraps in the green yard waste bin, and will inform the expansion of the program.



Modernize the City's environmentally preferable (EPP) purchasing policy to include waste reduction strategies

In response to a 2019 Council motion, LASAN completed a draft of the environmentally preferred purchase policy ordinance, which will mandate the purchase of EPP and recommended the creation of an EPP officer to develop a weighted ranking system. LASAN is working with the Council Office to schedule the report for a hearing.



Photo credit: L.A. Department of Sanitation & Environment

Feature Story

Circular Economy on the Streets of L.A.

In December 2020, StreetsLA and TechniSoil debuted a recycled plastic asphalt pilot project on 1st Street between Grand Avenue and Hope Street. The new pavement process repurposed plastic bottles to repave and increase the durability of asphalt streets. L.A. is the first city to pilot this process on a major street. If successful, the project has the potential to create a local marketplace for recycling of waste plastics while reducing pollution and improving the streets of L.A.



Photo credit: StreetsLA

"This project is just one example of the innovation and integration StreetsLA is pursuing to make our streets safe, mobile, and sustainable."

— **Adel Hagekhalil**
Former StreetsLA General Manager



Reducing Our Landfills By Reusing What We Have

Through LASAN's material reuse program, 646 tons of materials such as appliances, clothes, and books have been diverted from landfills and reused in 2020. That is equivalent to the weight of approximately 160 adult male elephants.



Food Systems

2021

➤ Increase food recovery beyond pre-packaged food at LAX

In May 2020, the Board of Airport Commissioners unanimously approved the LAX Food Donation Policy requiring existing concessionaires to join a food donation program by December 31, 2020, and airline lounges, sit-down restaurants, and caterers to join a program by December 31, 2021.

➤ Establish a healthy food cart program and support early-stage good food entrepreneurs

StreetsLA is working with local stakeholders and L.A. County on streamlining the County's permitting process and is designing incentives to support the growth in healthy food cart participation.

➤ Leverage public property for urban agriculture by increasing the number of edible gardens in City parks and public libraries by 50%

RAP is utilizing City park space to develop four new edible gardens, expanding the total to 18 by 2021. RAP is working closely with local nonprofits and community-based organizations to establish these gardens.

(Source: L.A. Department of Recreation and Parks, March 2021)

➤ Pilot two healthy soil projects

LASAN is pursuing multiple projects and is on track to complete at least two healthy soils pilots. For one pilot, LASAN and RAP are collaborating with L.A. Compost and Kiss the Ground to launch a regional compost hub at Griffith Park. Another pilot is taking shape in Baldwin Hills in partnership with UCLA, USC, Audubon, and the Baldwin Hills Conservancy that will restore habitat, rejuvenate soils, and research the benefits of different maintenance techniques.

2025



Photo credit: Los Angeles Food Policy Council

➤ Design and implement 5 Good Food Zones (GFZ) in the city

In March 2020, the Los Angeles City Council adopted the Good Food Zones policy as outlined by the L.A. Food Policy Council (LAFPC), identifying South L.A. and the Northeast San Fernando Valley as two areas for pilots of the GFZ program. LAFPC and the Good Food Economy Working Group are working with the Mayor's Office and relevant council districts on rolling out the pilots with a total of five slated for design and implementation by 2025.



Photo credit: L.A. Mayor's Office

Feature Story

Six Million Meals Served to Seniors in Need During the Pandemic

Since April 2020, L.A. Department of Aging (LADOA) has provided meals to over 18,500 older Angelenos, many whom are at or below the poverty level and are at high risk of malnutrition. This included the Great Plates program, which worked with 31 local restaurants — the majority of which were minority-owned — to provide nutritious hot meals to LADOA clients. In just one year, these programs provided nearly 6 million meals to older Angelenos in the community.

(Source: L.A. Department of Aging, March 2021)



Photo credit: L.A. Department of Aging

"This is a win-win-win. First of all a win because we're feeding folks who need meals, who are most at risk in this crisis and who we need to stay at home because coronavirus is the most deadly threat to them. It's a win because we're helping L.A.'s hard-hit hospitality and restaurant industries stay in business and keep their workers on the job. And it's a win because we're saving lives and livelihoods through the power of partnership."

— Mayor Eric Garcetti



How Much Food Have We Kept Out of Landfills?

Through LASAN's [recycLA food rescue programs](#), 5,091 tons of surplus food was donated or composted — the equivalent of 8.5 million meals.



Urban Ecosystems & Resilience

2020



Photo credit: L.A. Mayor's Office



All new roofs must be cool roofs by 2020; Install 13,000 additional cool roofs by the end of 2021

In October 2020, the City Council approved changes to the existing cool roof ordinance to require all new roofs to be cool roofs and to have more stringent requirements for cool surfaces. Since the release of L.A.'s GND, 24,644 cool roofs have been installed.

(Source: L.A. Department of Building and Safety, March 2021)

2021



Plant and maintain at least 90,000 trees citywide

While COVID-19 has delayed some tree planting and funding opportunities, the City is over halfway to achieving this goal with 46,053 trees planted.

(Source: L.A. Department of Public Works, April 2021)



Create a partnership to develop a 100-acre L.A. River open space

The City of Los Angeles, Mountain Recreation Conservation Authority, and California State Parks have established the [100 Acre Partnership at Taylor Yard](#) and are finalizing a Memorandum of Understanding for further collaboration.



Increase access by completing 3 active transportation bridges

Construction has been completed at all three active transportation bridges: North Atwater Bridge, Glendale Hyperion Redcar Bridge, and the Taylor Yard Bridge, connecting communities and increasing access to green space for Angelenos.



Pilot 6 cool neighborhoods in vulnerable communities by 2021; and 10 by 2025

Five cool neighborhood projects have been completed in vulnerable communities across Los Angeles that incorporate cooling elements such as cool pavement, shade trees, and bus shelters. The sixth project is in the planning phase and is expected to be initiated in the fall of 2021.

(Source: StreetsLA, March 2021)



Set biodiversity targets and pilot L.A.'s first wildlife corridor

With the development of the L.A. City Biodiversity Index, biodiversity targets have been established ahead of the 2021 due date, and in May 2021, the DCP released a draft Wildlife ordinance that supports the pilot wildlife corridor.



Add at least 8 parks by 2021; 30 parks by 2025

A total of six new parks will be added by the end of the year with three additional acquisitions planned for fiscal year 2021-2022.

(Source: L.A. Department of Recreation and Parks, January 2021)



Photo credit: L.A. Department of Sanitation & Environment

Feature Story

Building An Equitable Tree Canopy

In June 2020, the City was awarded a \$1.5 million CalFire grant to plant about 2,000 street trees in disadvantaged communities and a \$2.265 million California Natural Resources Agency grant for the Boyle Heights Green Infrastructure project, which will provide 1,400 new trees to the neighborhood. In the past 2 years, L.A. has received 8 grant awards from CalFire, investing over \$7.8 million in urban forest equity and the planting, preservation, and maintenance of the city's tree canopy. Since the launch of L.A.'s GND, the City's first Chief Forest Officer and an Urban Forest Equity Visiting Scholar were brought onboard to ensure that the projects are achieved equitably.



Photo credit: L.A. Department of Sanitation & Environment

Trees do more than contribute to the look and feel of our neighborhoods — they are a key tool to protect vulnerable populations, improve public health, and enhance community well-being for all Angelenos."

— Rachel Malarich
City Forest Officer



Cool Roofs Expand Across L.A.

More than 51.4 million square feet of cool roofs have been installed across Los Angeles since the release of L.A.'s GND — the equivalent of 1,070 football fields.

Prosperity & Green Jobs



2021

2025



Open green career pathways through the following programs

HireLA's Youth: Through L.A. Economic & Workforce Development's youth employment program, 581 youth participants were provided placement in green job opportunities in areas such as transportation, energy, buildings, and construction. In 2020, 8,600 youth were served.

(Source: L.A. Economic & Workforce Development Department, January 2021)

Green Jobs Courses: Los Angeles Trade Technical College's Green Jobs in the Architecture, Engineering, and Construction Industry course has trained 53 students and 17 Los Angeles Unified School District teachers in its first six months.

(Source: L.A. Community College District, April 2021)

Los Angeles Outdoor Landscaping Academy: LADWP partnered with the Theodore Payne Foundation for Native Plants to launch a California Native Plant Landscaper certificate for professional landscapers and gardeners at no cost.



Create 100,000 green jobs

The UCLA Institute for Research on Labor and Employment is developing a green jobs calculator for the City to assess our progress and preliminary findings show that by the end of 2020, over 104,000 green goods and services (GGS) jobs were created in L.A. County. The next phase of the study will focus specifically on GGS in the city of L.A.

(Source: UCLA Institute for Research on Labor and Employment, June 2021)



Increase the total number of businesses certified and recertified through the Green Business Certification Program to 1,000

824 businesses have been certified to-date.

(Source: L.A. Department of Sanitation & Environment, June 2021)



Support businesses in the city through a robust range of programs and services focused on the specific needs of businesses*

To mitigate the economic damage caused by the COVID-19 pandemic, the City implemented various programs to stabilize our business sector. The City of Los Angeles established a small business microloan program, which was converted into a grant program, relieving the burden of repayment for small businesses. These funds provided much needed direct financial assistance to 741 small



Photo credit: L.A. Department of Water & Power

businesses. The City also partnered with L.A. County and philanthropy to establish the L.A. Regional COVID Fund. This regional program disbursed \$100 million in direct financial assistance to 7,333 small businesses, micro-entrepreneurs, and small nonprofits. All program funds were allocated and disbursed with a strong emphasis on equity and a focus on serving vulnerable communities. To further that point, Mayor Garcetti launched LA Optimized, a program created to help 1,000 small businesses adapt to the digital marketplace by providing resources, tools, and services. Lastly, throughout the pandemic, the City's nine BusinessSource Centers and sixteen WorkSource Centers continued providing business consulting services to hundreds of small businesses at no cost.

(Source: Mayor's Office, June 2021)

*To minimize duplication, two 2025 milestones related to business support have been combined



Photo credit: L.A. Department of Water & Power

Feature Story

HireLA's Youth: Planting Seeds for Youth to Grow Job Skills

Boyle Heights Technology YouthSource Center participants completed hands-on internship hours with North East Trees, a community-based, grassroots, environmental non-profit organization that specializes in landscape improvement and habitat restoration projects throughout the L.A. region. At Ascot Hills Park in El Sereno, the YouthSource Center participants learned about native plants, healthy soils, and maintenance practices. Participants had the opportunity to learn about water irrigation, plant native seeds, and the importance of open space in our communities.



Photo credit: L.A. Department of Economic Workforce & Development

"The program encouraged me to study more and help the environment more. This program is cultivating young minds to take action in L.A. In the future, we're going to fix this crisis."

— Gloria Zelaya
HireLA's Youth Participant



Green Job Growth

Operation Next, the City's bold water recycling and distribution investment, will produce 11,362 labor and construction jobs.



Lead by Example

2019

2020

2021



Photo credit: L.A. Metro

→ Create a Climate Emergency Commission that empowers impacted communities in implementation of L.A.'s GND.

The CEMO was established and its director was announced on January 25, 2021. The CEMO will work hand-in-hand with the Climate Emergency Commission, a group being established by the Mayor and City Council consisting of representatives from frontline communities and various climate, labor, and business leaders.



Launch GND engagement campaign

The Mayor's Office of Sustainability and Communications launched the [L.A. Forever](#) campaign on Earth Day 2021.



Develop and implement sustainability training for on-boarding all new City employees by 2020; and current employees by 2021

The City's Personnel Department has drafted the content for the training module and will offer a series of virtual webinars to engage city staff throughout 2021.



Adopt and implement a sustainable technology policy across all City departments

The policy was approved and adopted on September 30, 2020.



Install 400 EV chargers at City buildings and parks

The Department of General Services (GSD) has installed 240 EV chargers at City buildings, with another 128 in the pipeline to be installed by April 2021. There are 17 sites in design that will yield an additional 190 EV chargers once constructed.

(Source: L.A. Department of General Services, April 2021)



All vehicle procurement will follow a "zero emission first" policy for City fleets

GSD, StreetsLA, and other City departments are implementing Mayor Garcetti's Executive Directive 25 which directed that by 2021, all municipal fleets shall follow a zero emission first procurement policy, ensuring that if a zero emission option exists and meets operational requirements, that option will be chosen.



Photo credit: L.A. Department of Transportation

Feature Story

Empowering Community Action

In an effort to put L.A.'s GND into action in local communities, the Neighborhood Council Sustainability Alliance came together with the Mayor's Office of Sustainability and Department of Neighborhood Empowerment to develop a toolkit advisory group made up of active members of local Neighborhood Councils and community-level environmental advocates to produce a [Green New Deal Toolkit](#) for Neighborhood Councils. Available in English, Spanish, and Korean, the Toolkit features a growing list of guides for taking action at the neighborhood scale on sustainability.



Photo credit: L.A. Mayor's Office

"I have lived in the East San Fernando Valley for many years. I loved working on the guides because I learned how to bring more green spaces to our community."

— **Olivia Diaz**
toolkit advisory group member and
North Hills East Neighborhood Council
Member



Branching Out

L.A. has planted over 46,000 trees since 2019. Each tree can provide \$73 worth of air conditioning and \$50 worth of air pollution reduction each year.

In recognition of the important role of youth climate activists, Mayor Garcetti established the first L.A. Mayor's Youth Council for Climate Action (MYCCA). In April 2021, MYCCA launched the L.A. Climate Stories initiative connecting personal stories of climate change impacts and actions to the larger crisis through narrative storytelling.

MYCCA has been such an amazing experience. I gained a broader perspective and learned new skills on how to organize communities, advocate for change, and create solutions to combat climate change.

— **Maia Supple**
MYCCA member

Being part of the Mayor's Youth Council for Climate Action showed me how imperative public policy is in achieving our climate goals. It gave me the opportunity to collaborate with and learn from passionate peers, and it's an experience I'll never forget.

— **Grace Kim**
MYCCA member

The Mayor's Youth Council for Climate Action has been an opportunity to interface with some of the most passionate young people working to make our city a healthier, more equitable and sustainable place. The valuable lessons I learned in the council have given me insight into what goes into making real change in a city as large as Los Angeles.

— **Max Edelstein**
MYCCA member

Partner Wins



Photo credit: Watts Rising

Transformative Climate Communities

In its first year of the Transformative Climate Communities (TCC) program, the Green Together Pacoima project has:

- Established partnerships and a governance structure for meaningful community engagement and accountability.
- Launched five leveraged projects and completed the Bradley Plaza and Green Alley project.
- Launched a plan to prevent displacement.

The Watts Rising project has:

- Kicked off Bicycle Education and Safety Training classes and issued a Request for Proposal (RFP) to procure 10 battery electric DASH buses through LADOT.
- Installed over 26kW of solar on 8 single-family homes with Grid Alternatives Greater L.A. and over 300 energy efficiency upgrades have been conducted in a total of 10 single-family homes.
- Planted 10,890 square feet of garden through the Watts Community Healing Tech Garden.

The South L.A. Climate Commons planning grant is supporting:

- A one-year community outreach process to compliment the planning processes for the Slauson Corridor Transit Neighborhood Plan and L.A. Metro's Rail-to-River Active Transportation Corridor.

A JUST TRANSITION TO THE NEW GREEN ECONOMY

Los Angeles Community College District

In July 2020, the LACCD Board of Trustees passed the landmark Clean Energy and Sustainability Resolution committing the District to become 100% carbon-free by 2040, including 100% carbon-free electricity by 2030, electrifying 75% of fossil-fuel assets by 2030, and installing electric vehicle chargers at 25% of all parking stalls by 2030. The Resolution also commits \$75 million to projects that would support the goal of becoming carbon-free by 2040. Partnerships with organized labor to ensure a just transition to the new green economy and a robust stakeholder process will be an important part of this work.



Photo credit: Weldon Brewster



Photo credit: USGBC-LA

U.S. Green Building Council-Los Angeles (USGBC-LA)

In 2019, USGBC-LA launched a Net Zero Building Technology Accelerator focused on supporting building technologies to help make zero carbon, zero energy, zero water, and zero waste buildings a reality for the region. By its second year, the number of program applicants has doubled, accepting 17 companies out of 164 innovative building startups from 11 countries. It is now tracking more than 40 pilots across 20 pilot partners with focus areas on occupant health, building decarbonization, and clean construction.



Photo credit: The Nature Conservancy

The Nature Conservancy

In support of Los Angeles River revitalization and the City's 100-acre vision at Taylor Yard, The Nature Conservancy has completed conceptual designs for a nature-based project to manage stormwater, enhance habitat, and catalyze park access near Rio De Los Angeles State Park. The Nature Conservancy worked with community-based organizations to gather local input on what types of nature-based projects they want to see and is meeting regularly with Neighborhood Councils to share project progress. Groundbreaking is planned for 2022. Additional projects are being supported through the newly developed [Planting Stormwater Solutions](#), which maps the best locations for siting nature-based solutions.

Kilroy Realty Corporation

Kilroy Realty Corporation (KRC) has achieved its goal of carbon neutral operations for its entire 14.6 million square foot portfolio. Setting and achieving this goal is a first of its kind among real estate companies in North America. KRC accomplished this through energy efficiency, onsite renewables, offsite renewables, renewable energy certificates, and verified emission reduction credits. Such an accomplishment demonstrates that a steadfast commitment to sustainable operations makes both environmental and economic sense.



Photo credit: Kilroy Realty Corporation & Lawrence Anderson Productions



Photo credit: People for Mobility Justice

People for Mobility Justice

Despite the challenges of COVID-19, People for Mobility Justice (PMJ) delivered over 30 virtual bicycle safety education classes to the most vulnerable communities in Los Angeles County as well as residents nationwide. In August 2020, PMJ also hosted a symposium led and designed by Leimert Park residents and organizers who participated in the "Hood Planners Certification" pilot program. The day was filled with grounding attendees in conversations about radically imagining community safety alternatives through arts, culture, and creative place-keeping for better Mobility Justice.



Photo credit: Los Angeles Cleantech Incubator

ACHIEVED ITS GOAL OF CARBON NEUTRAL OPERATIONS

Los Angeles Cleantech Incubator

LACI launched three [Zero Emissions Mobility](#) and [Community Pilots](#) with community partners in Pacoima, San Pedro, and Leimert Park. These pilots are bringing the benefits of the green economy to neighborhoods that often lack access to zero emission mobility solutions, yet are burdened with poor air quality. Lessons from these projects will be shared and used to inform new projects and policy recommendations.

Partner Wins

SEEK TO UNDERSTAND AIR QUALITY



Photo credit: Los Angeles Public Library

Los Angeles Public Library

The Los Angeles Public Library in partnership with Clarity Movement Co. and the Mayor's Office launched an air quality tracking and education project in five library branches throughout the city. The project seeks to understand how air quality trends compare between outdoor and indoor environments, especially during heightened air pollution periods, such as wildfire season. The monitors track both indoor and outdoor air quality for NO₂ and PM_{2.5}, and the data will be utilized for the library citizen science and STEAM learning programs. The real-time data can also help researchers and policymakers quantify the air quality and public health benefits of clean energy and transportation policies.



Photo credit: L.A. Compost

L.A. Compost

L.A. Compost has expanded its community scale composting programs and now has six new community hubs with plans to establish six more by the end of 2021. A new drive-up and drop-off model has replaced their farmers market drop off program during COVID-19 and food scrap diversion increased by an additional 1,000 pounds captured weekly.

Los Angeles Food Policy Council

LAFPC's Healthy Neighborhood Market Network (HNMN) helps increase healthy food options in under-resourced communities in L.A. by building the capacity of neighborhood markets. This program year HNMN provided in-depth business development services to 15 store owners in food desert neighborhoods across Los Angeles, while providing the staff of all participating small markets with PPE. HNMN has completed eight transformation projects and leveraged over \$200,000 to help complete improvements. The latest brick-and-mortar transformation, Pickford Market in Mid-City, was conducted in December 2020.



Photo credit: Los Angeles Food Policy Council

FEEDING PEOPLE AND THE EARTH



Photo credit: Joe Sorrentino

Trust for Public Land

In October 2020, Trust for the Public Land (TPL) opened Bradley Plaza and Green Alley in Pacoima increasing green, open space to over 8,000 residents. Additionally, TPL signed an agreement with the L.A. Unified School District to green the campus of Castellanos Elementary School in Westlake/ MacArthur Park — a community that qualifies as critically underserved, disadvantaged, and low-income. The aim is to scale this project up and green schoolyards across L.A.'s public school system to increase access to nature for more communities.

INCREASE ACCESS TO NATURE FOR MORE COMMUNITIES

SKILLS TO RESPOND TO TODAY'S PUBLIC HEALTH CRISIS



Photo credit: Building Skills Partnership

Building Skills Partnership

In response to worker and industry needs for training in this new era of COVID-19, Building Skills Partnership (BSP) convened its labor and industry partners and engaged subject matter experts - UCLA LOSH, UC Berkeley LOHP, and the Ashkin Group - to develop the Infectious Disease Certification Program. The Program provides janitors with the skills to respond to today's public health crisis and includes a 12-hour curriculum covering modules in proper cleaning and disinfecting against deadly pathogens, the correct use of PPE, workplace ergonomics, and documenting new procedures during a pandemic. 600 workers have completed the new program in California since June 2020.



Photo credit: Climate Mayors

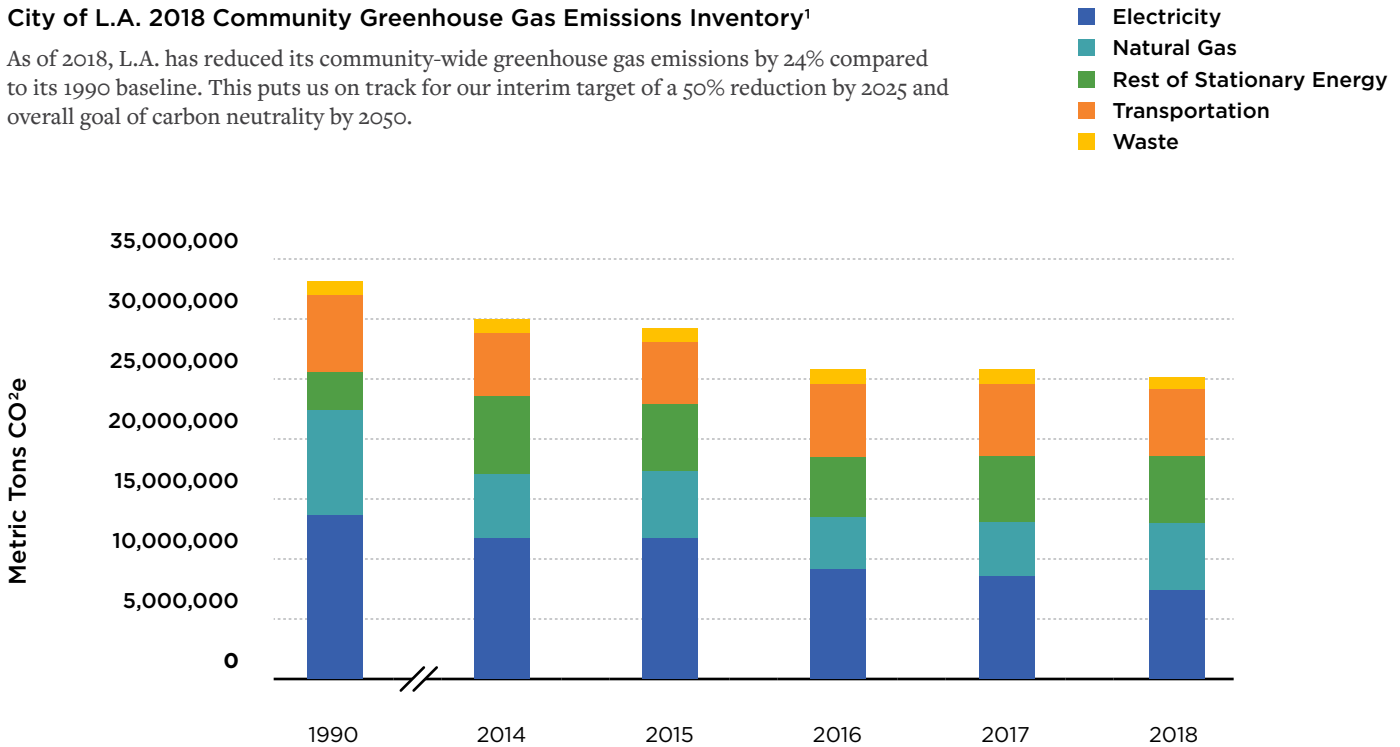
Climate Mayors

In the wake of the COVID-19 pandemic, Climate Mayors has worked to advocate for a green and just recovery through a series of national dialogues, Congressional hearings, and a letter to Congress signed by nearly 200 mayors urging them to protect our planet and build a more just economy.

L.A.'s Greenhouse Gas Emissions Inventory

City of L.A. 2018 Community Greenhouse Gas Emissions Inventory¹

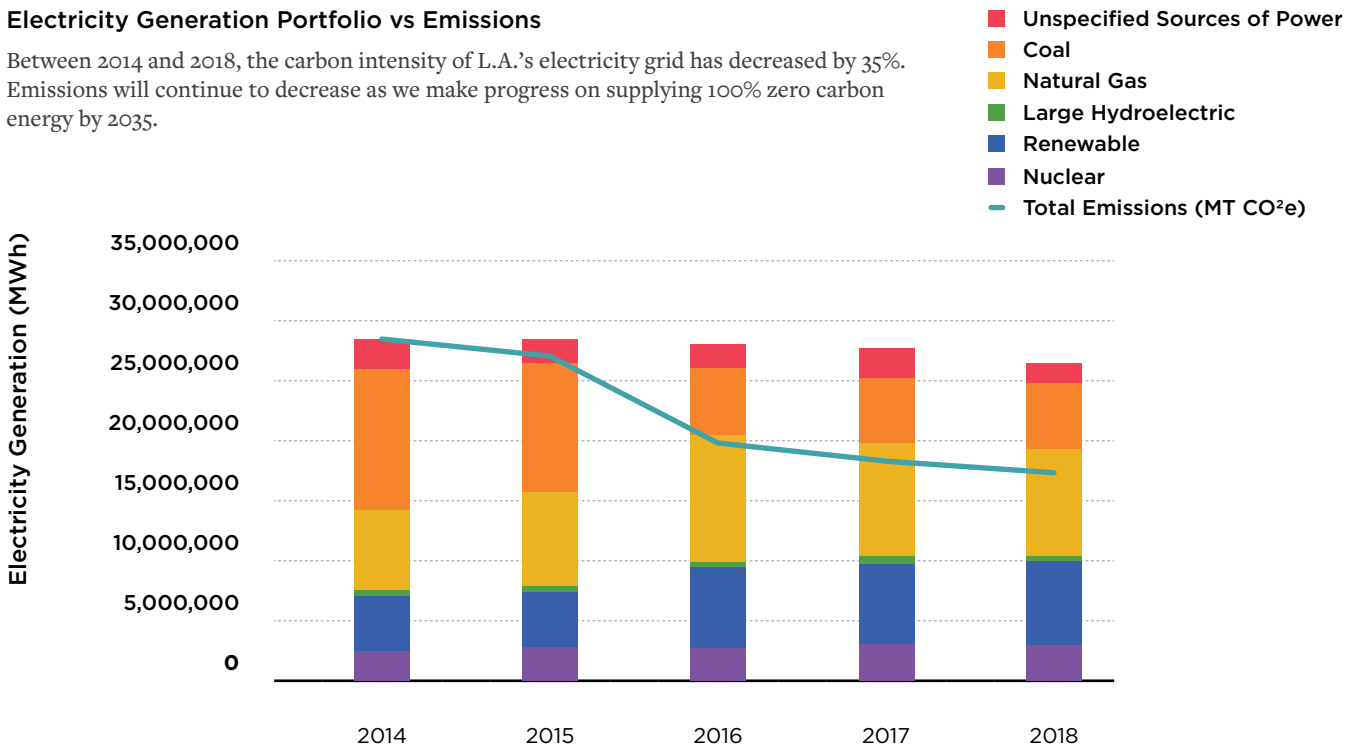
As of 2018, L.A. has reduced its community-wide greenhouse gas emissions by 24% compared to its 1990 baseline. This puts us on track for our interim target of a 50% reduction by 2025 and overall goal of carbon neutrality by 2050.



¹ The City of L.A. uses the the Global Protocol for Community-Scale Emissions (GPC) BASIC reporting level. BASIC generally covers emission sectors that the City can influence significantly through policies and programs. BASIC emissions are used to track the City's progress towards its carbon neutrality goals. BASIC+ includes additional scope and sectors that the City has little direct influence or control over, however the City has begun to track these emissions as well. In order to access, process, and cross-check complete annual data, GHG reporting years are typically about two-years behind the present.

Electricity Generation Portfolio vs Emissions

Between 2014 and 2018, the carbon intensity of L.A.'s electricity grid has decreased by 35%. Emissions will continue to decrease as we make progress on supplying 100% zero carbon energy by 2035.

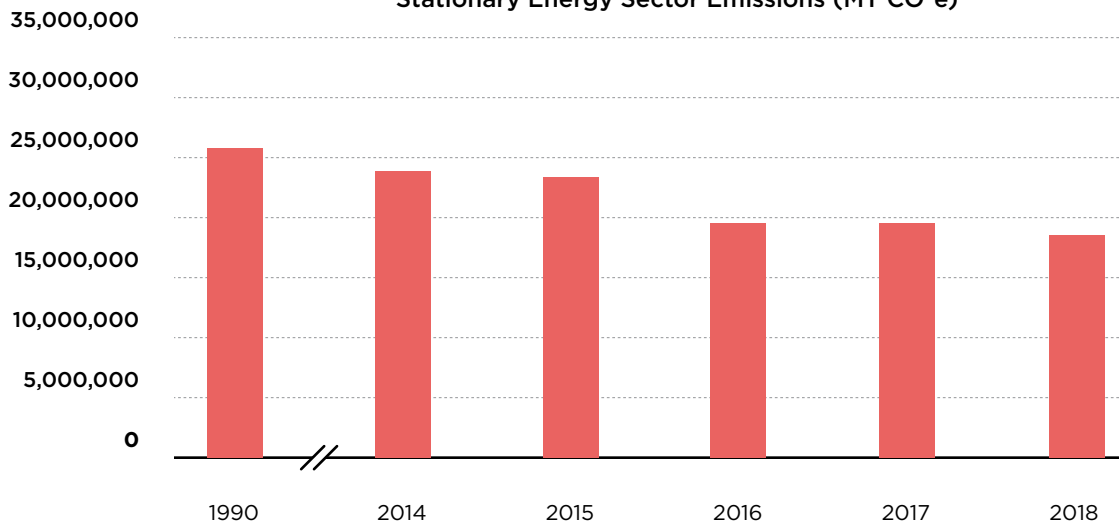


Stationary Energy Sector Emissions (MT CO₂e)

* 26% reduction from 1990 levels

The Stationary Energy Sector includes:

- Commercial and Institutional Buildings and Facilities
- Residential Buildings
- Manufacturing Industries and Construction
- Energy Industries
- Fugitive Emissions from Oil and Natural Gas Systems

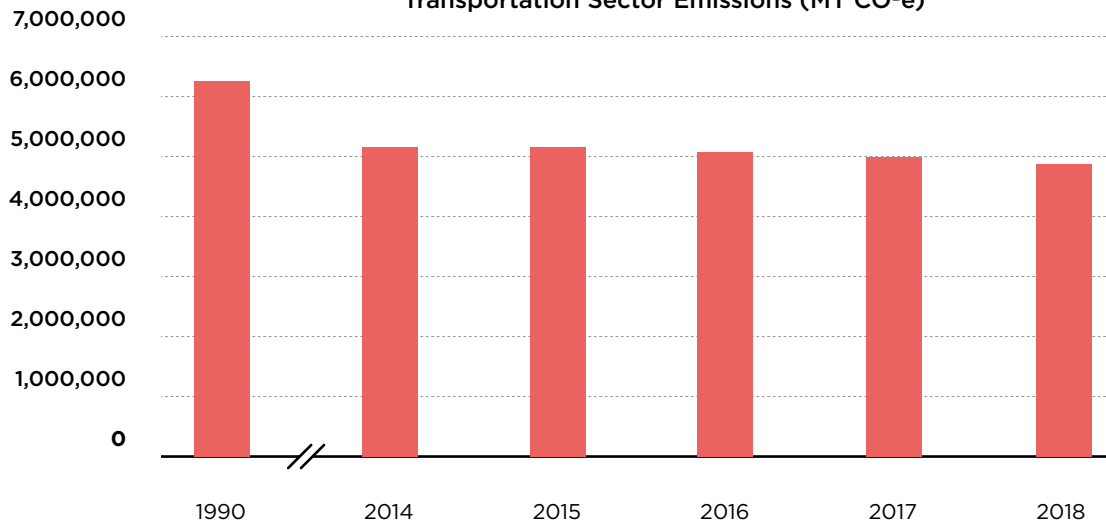


Transportation Sector Emissions (MT CO₂e)

* 22% reduction from 1990 levels

The Transportation Sector includes:

- On-Road
- Railway
- Waterborne Navigation
- Aviation
- Off-Road

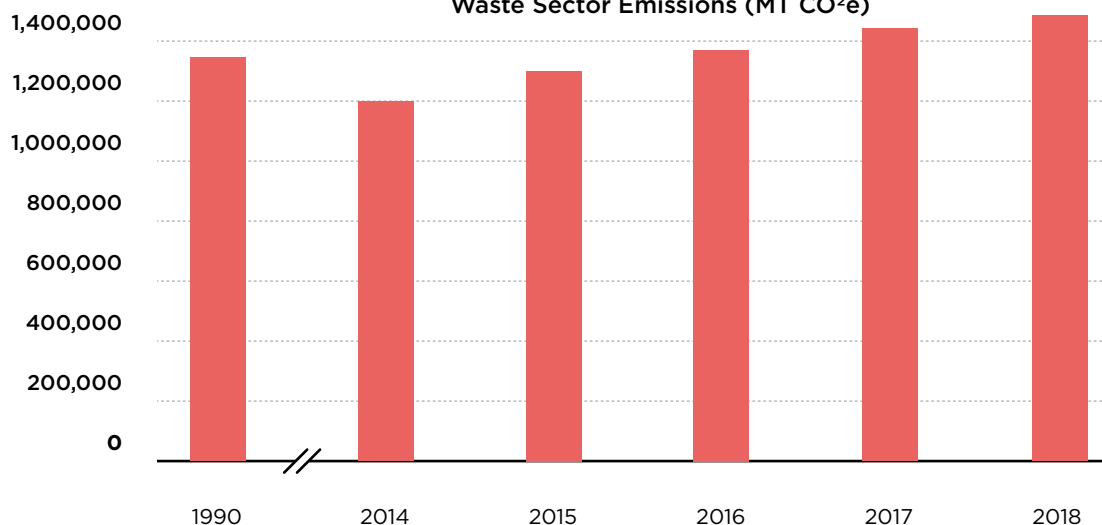


Waste Sector Emissions (MT CO₂e)

* 11% increase from 1990 levels

The Waste Sector includes:

- Solid Waste Disposal
- Biological Treatment of Waste
- Incineration and Open Burning
- Wastewater Treatment and Discharge



Acknowledgements

City Family

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Nicholas Ryu	Susie Santilena	Rachel Malarich	Doug Mensman	Julia Salinas
Karishma Shamdasani	Stacy Weisfeld	Karina Macias	Breelyn Pete	Lisa Payne
Arthur Mandel	Caroline Menjivar	Angie Aramayo	Kevin Taylor	Jeff Gorell
Thalia Polychronis	Aaron Gross	William Chun	Sumi Parekh	Julia Thayne
Christopher Hawthorne	Nick Maricich	Shannon Ryan	Thea Trindle	Laura Krawczya
Dave Reich	Max Reyes	Brenda Shockley	Zita Davis	Ivory Chambeshi
Lisa Salazar	Ramon Covarrubius	Tammy Barreras	Brian Buchner	Nina Hachigian
Christine Peterson	Erin Bromaghim	Daedre Levine	Jonathan Powell	Harrison Wollman
Chamarra McCrorey	Fawad Assadullah	Ami Fields-Meyer	Jayson Joseph	Greg Good
Marta Segura	Laura Trejo	Brenda Barnette	Danielle Brazell	Stephen Simon
Rosemarie Punzalan	Geoffrey Straniere	Sergio Samayoa	Aram Sahakian	Ralph Terrazas
Linda Cessor	Tony Royster	Valerie Melloff	Eugene Seroka	David Libatique
Marla Bleavins	Ted Ross	Doane Liu	John Szabo	Grayce Liu
Wendy Macy	Vincent Berton	Arthi Varma	Conni Pallini-Tipton	Kat Superfisky
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Adel Hagekhalil	Michael Shull	Seleta Reynolds	Lilly O'Brien	Connie Llanos
Marty Adams	Ashkan Nassiri	Rich Harasick	David Jacot	Delon Kwan
Jason Rondou	Scott Briasco	Jason Hill	Kiani Jones	Arash Saidi
Louis Ting	James Barner	Denise Verret		

C40

Mark Watts	Anna Beech	David Miller	Laura Jay	Caterina Sarfatti
Irma Carranza	Josh Alpert	Josh Harris	Emily Morris	Aaron Kiely

L.A.'s Green New Deal Partners and Stakeholders

AEG	American Institute of Architects	American Lung Association
The Better World Group	Bloomberg Philanthropies	Building Decarbonization Coalition
C40	CalSTART	Center for Biological Diversity
CicLAvia	City Plants	The Climate Registry
Climate Resolve	Coalition for Clean Air	Communities for a Better Environment
Community Healing Gardens	Community Health Councils	Earthjustice
East LA Community Corporation	East Yard Communities for Environmental Justice	EcoSet
Electrification Coalition	Energy Efficiency for All/Enterprise Community Partners	Environment California
Environmental Defense Fund	Environmental Media Association	Esperanza Community Corporation
Food & Water Watch	Food Forward	Friends of the LA River
From Lot to Spot	Global Green	Grant Housing and Economic Development Corporation
GRID Alternatives	Grown in LA	Habitat for Humanity
Heal the Bay	International Brotherhood of Electrical Workers	Investing in Place
Kilroy Realty	Kiss the Ground	Koreatown Youth and Community Center
LA 2028	LA Better Building Challenge	LA Compost
LA Conservation Corps	LA Más	LA Neighborhood Land Trust
LA Waterkeeper	LACI	Leadership for Urban Renewal Network
Legacy LA	LEAP-LA	Liberty Hill
Little Tokyo Service Center	Local Initiatives Support Corporation	Los Angeles Alliance for a New Economy
Los Angeles Beautification Team	Los Angeles Business Council	Los Angeles Community College District
Los Angeles Community Garden Council	Los Angeles County Bicycle Coalition	Los Angeles County Chief Sustainability Office
Los Angeles County Metropolitan Transportation Authority	Los Angeles Food Policy Council	Los Angeles Regional Collaborative
Los Angeles Sustainability Executives Roundtable	Los Angeles Trade Tech College	Los Angeles Walks
Mayor's Youth Council for Climate Action	Michaels Development Company	National Renewable Energy Laboratory
The Nature Conservancy	Natural Resources Defense Council	Neighborhood Council Sustainability Alliance
Open Silo	Pacoima Beautiful	The People Concern/ People for Mobility Justice
People for Parks	Physicians for Social Responsibility	Raimi + Associates
The River Project	Safe Place for Youth	Sierra Club
Social Justice Learning Institute	South Coast Air Quality Management District	Southeast Asian Community Alliance
Southern California Association of Nonprofit Housing	St. Francis Center	STAND-L.A.
Strategic Concepts in Organizing and Policy Education	Studio-MLA	Sustain LA
Sustainable Economic Enterprises of Los Angeles	T.R.U.S.T. South LA	Theodore Payne Foundation
TreePeople	Trust for Public Land	U.S. Green Building Council-LA
UCLA Institute of the Environment and Sustainability	UCLA Luskin Center for Innovation	UCLA Sustainable LA Grand Challenge
URB-E	USC	Via
Watts Century Latino Organization	WeTap	The Wilderness Society

Designer

Gensler

L.A.'s Green New Deal

Annual Report 2020-2021



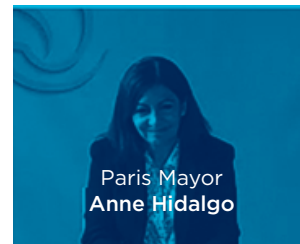
Tokyo Governor
Yuriko Koike



Montreal Mayor
Valerie Plante



UN Secretary-General
Antonio Guterres



Paris Mayor
Anne Hidalgo



Melbourne Lord Mayor
Sally Capp



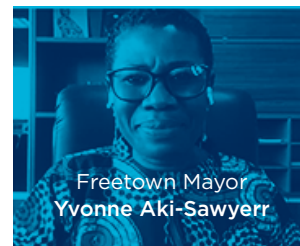
Bogota Mayor
Claudia Lopez



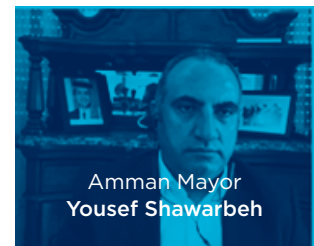
UN Habitat
Maimunah Mohd Sharif, ED



UN Deputy Secretary-General
Amina Mohammed



Freetown Mayor
Yvonne Aki-Sawyer



Amman Mayor
Yousef Shawarbeh



Jakarta Governor
Anies Baswedan



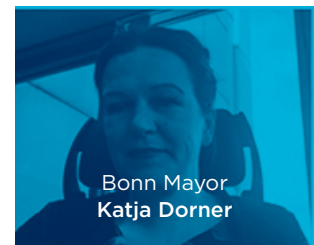
Barcelona Mayor
Ada Colau



Hyderabad Mayor
Gadwall Vijayalakshmi



Glasgow Councillor
Susan Aitken



Bonn Mayor
Katja Dörner



Rio de Janeiro Municipal
Secretary of Government
Marcelo Calero



C40 Cities Director of
International Diplomacy
David Miller



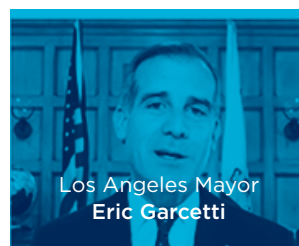
C40 Cities
Executive Director
Mark Watts



Milan Mayor
Giuseppe Sala



Johannesburg Mayor
Geoffrey Makhubo



Los Angeles Mayor
Eric Garcetti

Mayor Garcetti and C40 mayors
meeting with the UN Secretary-General.