

Culver CITY

S U S T A I N A B I L I T Y

R E P O R T

C I T Y O F C U L V E R C I T Y

F A L L 2 0 1 8

"Sustainability touches on all facets of life in Culver City. Community wellbeing, built and natural environment resilience, and economic vitality are essential. The City of Culver City aims to design policies and programs that uplift the community to reach these goals. Ensuring social equity, providing access to services, conserving limited resources, lowering greenhouse gas emissions, and encouraging local business growth raise the tide for everyone. These measures are a reflection of the City's priorities and its vision as Culver City grows into the future."

- Thomas Small, Culver City Mayor



This presentation provides an introduction to the policies and programs that have been introduced and/or implemented in the City of Culver City in pursuit of its sustainability goals.



City Council

Sustainability Subcommittee

Guiding policy decisions regarding sustainability issues while considering long-term impacts to the natural environment and the economic and physical well-being of Culver City residents and community.



Culver City

Addressing climate change

- In 2007, the City signed onto the U.S. Mayors Climate Protection Agreement.
- In 2017, the City joined the Mayors National Climate Action Agenda.

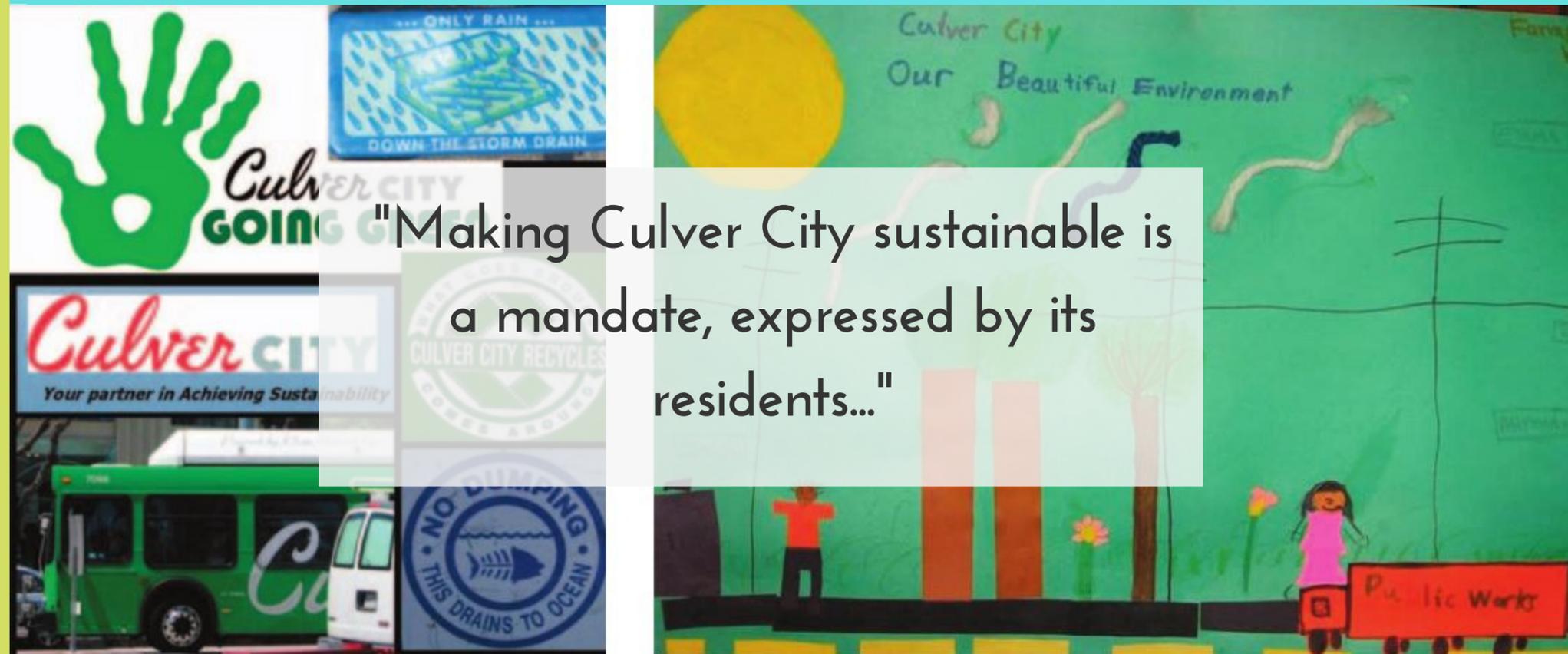


Culver City

SDAT Report 2007

The sustainable community plan's goals:

- Community education and participation
- Waste management and recycling
- Environmental pollution and public health protection
- Resource conservation
- Sustainable transportation
- Sustainable land use and open space



SDAT = Sustainable Design and Assessment Team



Culver City

Providing guidance toward a more sustainable future

**THINK
ABOUT
TOMORROW
TODAY**

General Plan Update

The GPU will provide a path to improving outcomes on a range of environmental measures through:

- leveraging land use and mobility mechanisms to generate more **efficient use of existing resources**
- identifying integrated policy and program solutions to **improve air quality, water quality** and urban heat island impacts
- pursuing policies that **increase energy independence** and a shift toward renewables



Ballona Creek

Revitalization Project



Source: Ballona Creek Greenway Plan, The Bay Foundation



*Council's Strategic Plan Goal:
Enhance the restoration and
utilization of Ballona Creek*

Make the creek a recreational attraction,
with increased bikeable and walkable
connections to the city and beyond



Ballona Creek

Coastal Cleanup Day

- Earth Day cleanup in partnership with Ballona Creek Renaissance
- Coastal Cleanup Day in partnership with Heal the Bay



Public Works

Culver City is working to improve the Ballona Creek watershed with the Enhanced Watershed Management Plan

Improving regional water quality

Culver Blvd. Stormwater Median Project

- A subsurface retention and filtration project
- Will divert stormwater run-off from approx. 300 + acres of drainage area
- Provides irrigation for local landscaping

Washington Blvd. Stormwater Diversion Project

- A subsurface diversion project
- Will capture and divert stormwater and urban runoff from approx. 42 acres of drainage area and convey it to the sanitary sewer system

Green Streets Master Plan

- The City is preparing a Green Streets Master Plan that will develop future storm water projects citywide.



Culver City

Low-impact development (LID)

What is low-impact development (LID)?

- Capture, infiltrate, store and use and/or treat runoff at the parcel
- Bio-retention, permeable pavement and other infiltration practices that prevent runoff from leaving a parcel

Culver City passed the LID Ordinance in 2014, requiring developers to take greater action on storm water pollution.

Nearly 70% of runoff from the developed portion of the watershed comes from impervious areas on parcels.



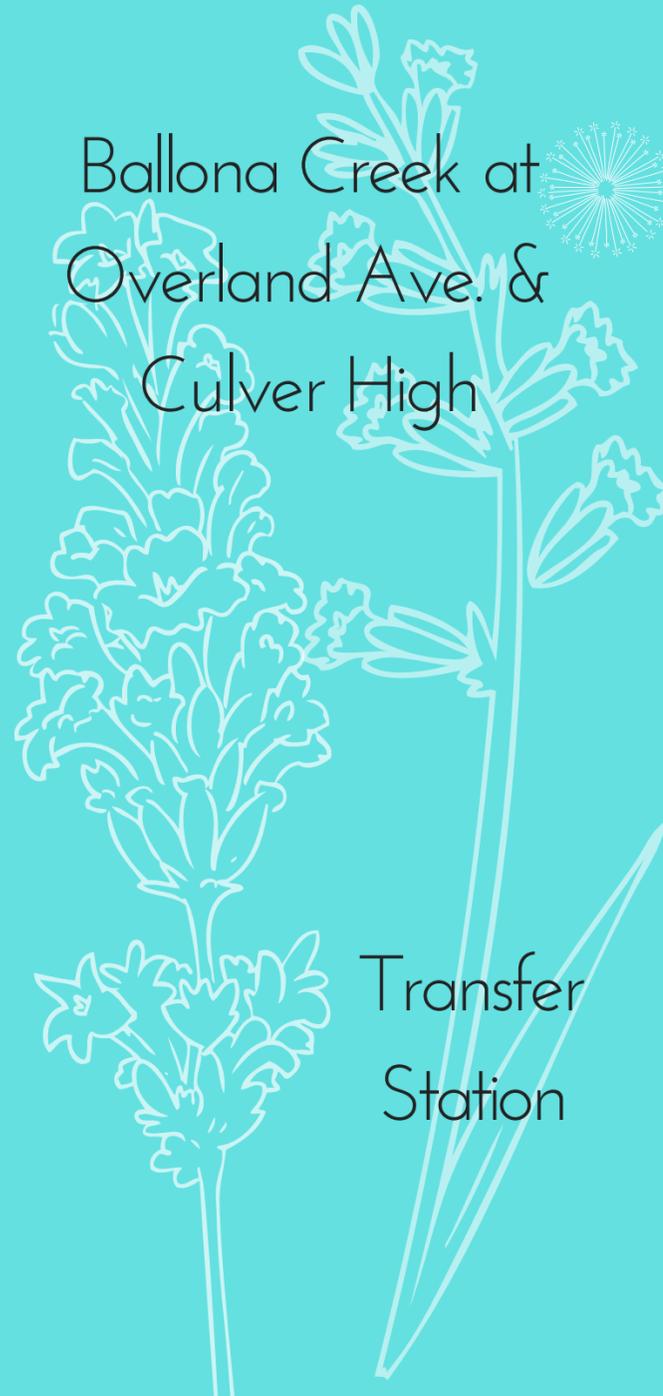
Public Works

Rain gardens capture, filter, and infiltrate urban runoff, while replenishing groundwater supply



Rain gardens

Ballona Creek at
Overland Ave. &
Culver High



Transfer
Station

Public Services
Building



Baldwin Ave. &
Farragut Dr.

Lindblade St. &
Sepulveda Blvd.



Culver City

A structured framework of five action areas and related strategies

Evaluate

- Periodic evaluations of urban forest

Manage

- Systematic maintenance and resource management

Enhance

- Maximum benefits through a strengthened urban forest

Engage

- Ongoing dialogue to promote stewardship

Fund

- Funding options/budget structure to maximize efficiency

Urban Forest Master Plan

A green infrastructure of urban forest, park land, sustainable transportation network, and pedestrian areas.



Culver City



TREE CITY USA®

In recognition of the City's excellent urban forest management practices, Culver City was designated Tree City USA by the Arbor Day Foundation.

Recognized as Tree City USA



Culver City

**PROUD
PARTICIPANT**



**Local Leadership Toward
Solving Climate Change**

Platinum Beacon Award

Culver City received a Platinum Level Beacon Award from the Institute of Local Government in their “Sustainable Best Practices” category, up from “Gold” level in 2017. In addition, the City continues to maintain its Platinum Level Beacon Award in their “Energy Savings” category.



Culver City



Clean, renewable power

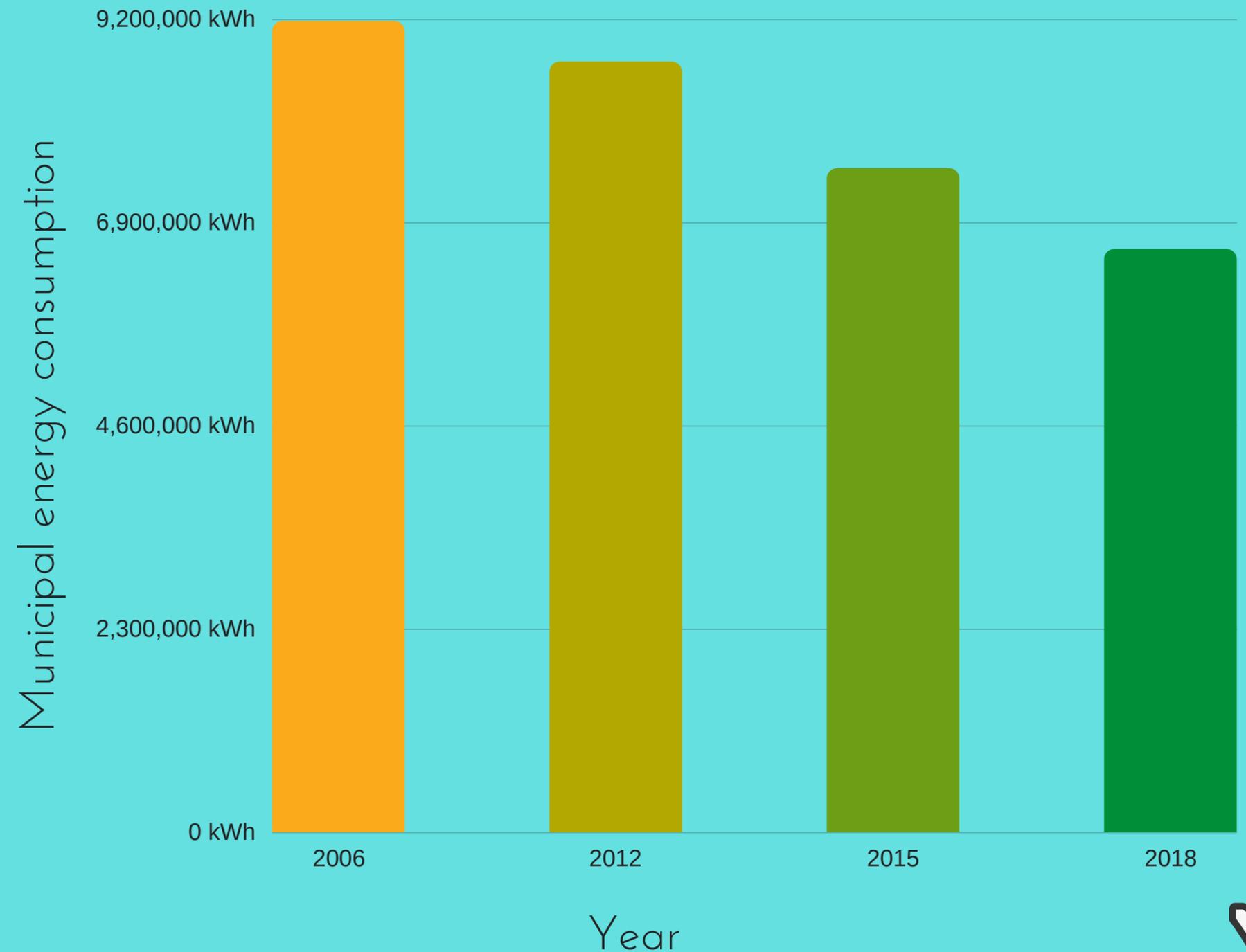
Culver City has joined the **Clean Power Alliance;** a community choice aggregation organization formed to deliver power generated by renewable sources by February 2019, and chooses 100% renewable power for the community.



Public Works

Energy efficiency projects play a critical role in reducing energy consumption & lowering GHG emissions

Energy efficiency



Public Works

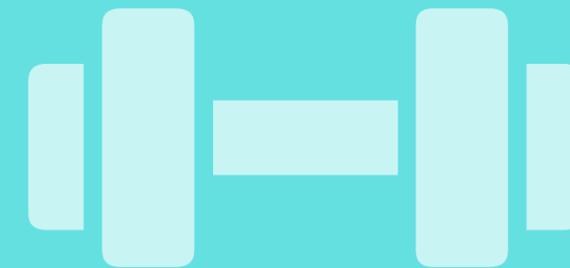
Culver City maintains a **Platinum level** leadership in SCE's Energy Leader Partnership Model, reducing energy consumption by over 28% since 2006



Energy efficiency



228 cars off the road



1,164 metric tons of CO2 avoided



City Hall

Water conservation plan

Culver City is committed to **conserving water** and creating a sustainable community that is currently observing level 1 water use restrictions

The City
reduced its
water use by
35%...

...by modifying or replacing nearly 300 water fixtures in City buildings



Businesses



Culver CITY
SUSTAINABLE BUSINESS
CERTIFICATION PROGRAM

In 2017, twelve businesses collectively saved 10,310 kWh of electricity annually and 1,598,593 gallons of water (an average savings of 53%).

Sustainable certification



POPSUGAR.

technicolor
Experience Center



SOLE / SOCIETY

NOVECENTO

A.P.D.
APPLIANCES • PLUMBING • DESIGN INC.

criteo.



HI-LO



Building Safety

Expedited solar permitting



- **Expedited electronic submittal process** for solar PV installations up to 10 kW in 1- and 2- family dwellings
- City Council adopted a resolution that **extends the waiver of plan check and permit fees** for solar PV installations to May 23, 2028

Culver CITY
BUILDING SAFETY DIVISION

9770 CULVER BOULEVARD
CULVER CITY, CA 90232
PHONE (310) 253-5800
SOLAR.PERMITS@CULVERCITY.ORG

ELIGIBILITY CHECKLIST FOR EXPEDITED PERMITTING:

SOLAR PHOTOVOLTAIC INSTALLATIONS
UP TO 10kw IN ONE AND TWO FAMILY DWELLINGS



Building Safety

Reduces the use of natural resources, creates **healthier living environments**, and minimizes the negative impacts of development



Adopted in 2009

Green building program

- New construction and major renovations projects up to 49,999 sf must comply with 80% of listed green building techniques
- New construction and major renovation projects 50,000 sf and greater (except for single- and two-family structures) must have a LEED AP team member and must demonstrate the project meets LEED certified standards or higher



City Council

The City adopted an ordinance in 2013 that prohibits the use of plastic carryout bags and requires retailers to charge 10¢ for paper bags



Plastic and polystyrene regulations



Culver City adopted an ordinance in 2017 that bans the use and sale of certain Polystyrene products citywide



Public Works

Efforts to improve services in the areas of resource conservation, environmental and public health protection, solid waste diversion and recycling, community education and land use include...



Recycling & waste management

- Food waste and organics recycling program
- Green5 recycling in CCUSD schools
- E-waste roundup and Too Toxic to Trash events
- Compost and mulch giveaways
- Holiday tree composting

Holiday Tree-cycle
THIS SEASON

HOLIDAY TREE COMPOSTING BEGINNING DEC 26TH THROUGH THE MONTH OF JANUARY

REMOVE ALL LIGHTS, ORNAMENTS, AND STANDS

THEN.. PARK YOUR TREE AT THESE LOCATIONS:

- Fox Hills Park
- Syd Kronenthal Park
- Culver West Park
- Veterans Park

Residents can continue to place CUT UP trees in Green Cans for scheduled pick-up

PUBLIC WORKS
ENVIRONMENTAL PROGRAMS AND OPERATIONS
CULVERCITY.ORG/RECYCLE 310.253.6400

Culver CITY

The poster features a central illustration of a purple SUV with a green Christmas tree on its roof rack. Surrounding the text are decorative elements like a string of colorful lights and a small tree branch. The background is a dark blue with white polka dots.



Culver City

Resources + support



- California-friendly landscape training
- Smart gardening workshops
- Free turf removal class
- Rain barrel distribution
- Grey water symposium

SPONSORED BY



LOCATION

Culver City Hall, Dan Patacchia Room
9770 Culver Blvd.
Culver City, CA 90232

TO REGISTER

Call (310) 371-4633 or visit www.sbesc.com

Space is limited, register today! Snacks provided

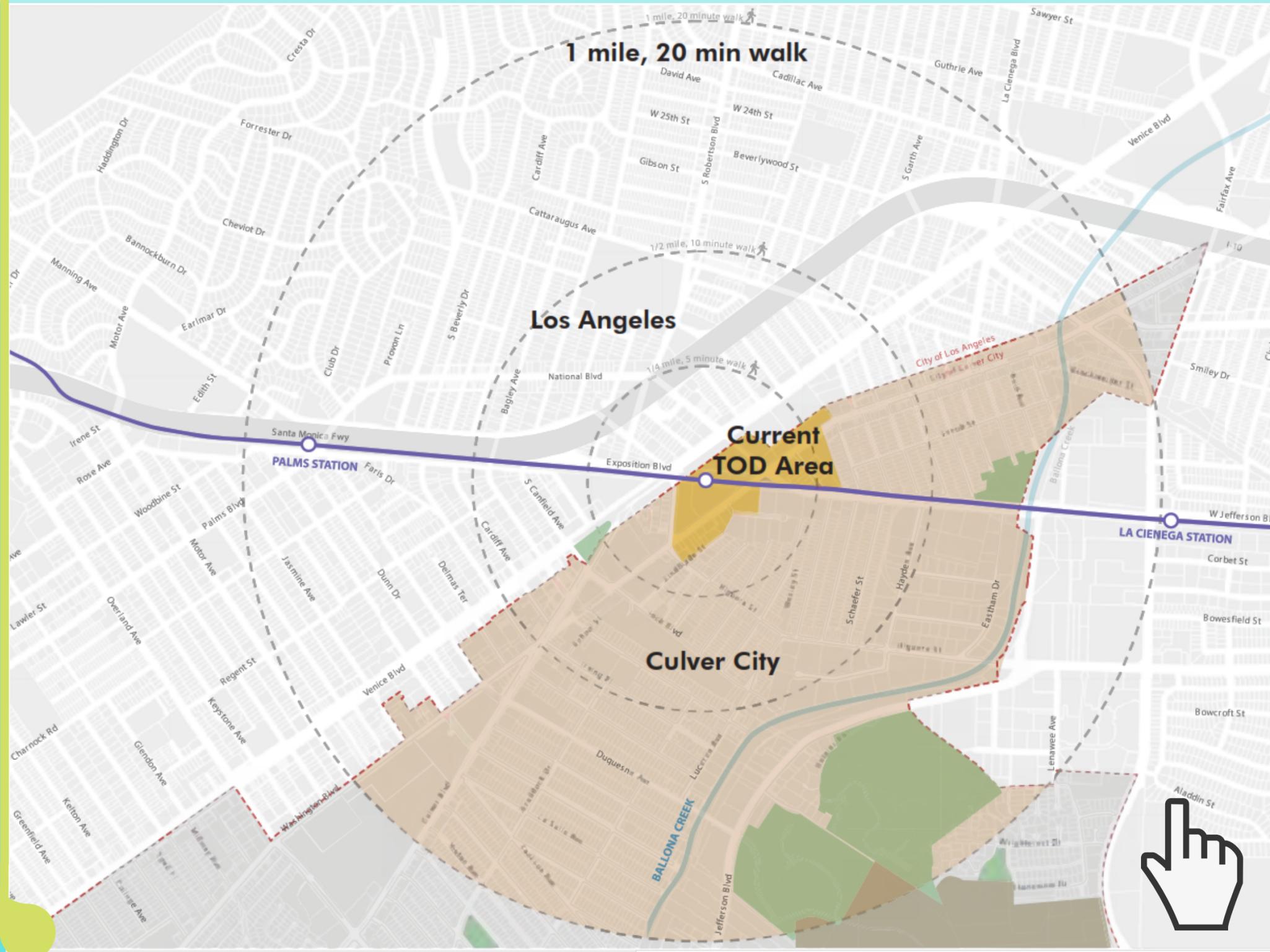
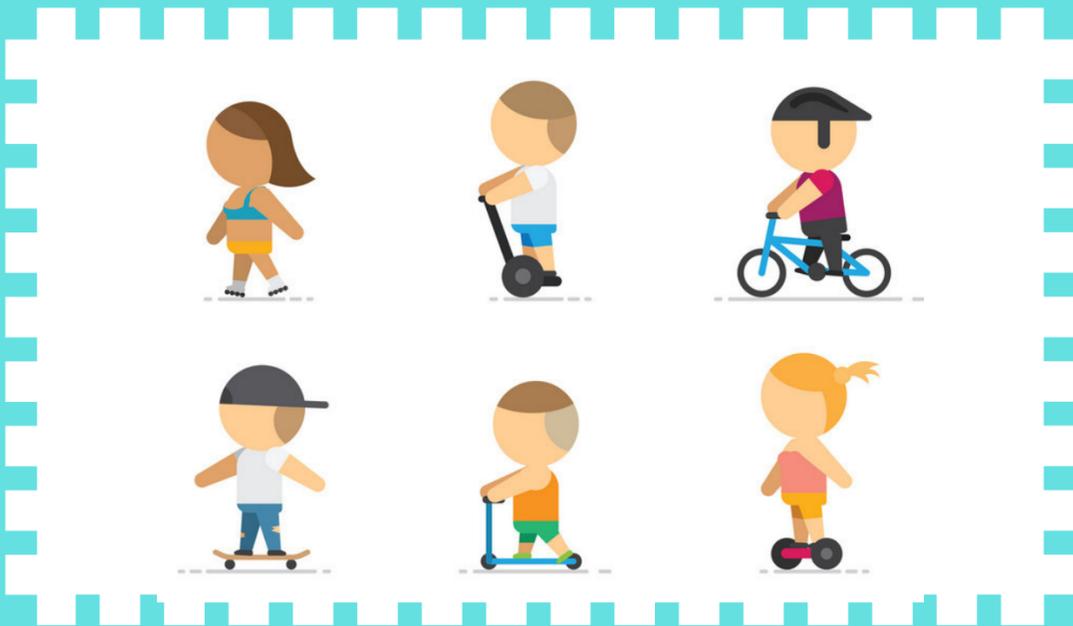


TOD Visioning

Study and recommendations

CENTRAL GOAL:

Provide more and better choices for circulation by increasing the viability of alternative mobility modes



TOD Visioning

Supporting objectives



- Establish the TOD area and its adjacent neighborhood as a pedestrian-first environment
- Advance the use of transit for first/last mile connections and local circulation
- Provide a safe and protected network for bicycling as a choice
- Manage the flow of traffic around and through the TOD area to minimize conflicts with other modes



Transportation

Culver CityBus has been recognized by Government Fleet for last four years as an "Elite Fleet"

Culver CityBus: Elite Fleet



Culver CityBus is the first public transit fleet in the South Coast Air Quality Management District and the second in California to operate a 100% compressed natural gas (CNG) fleet



Transportation

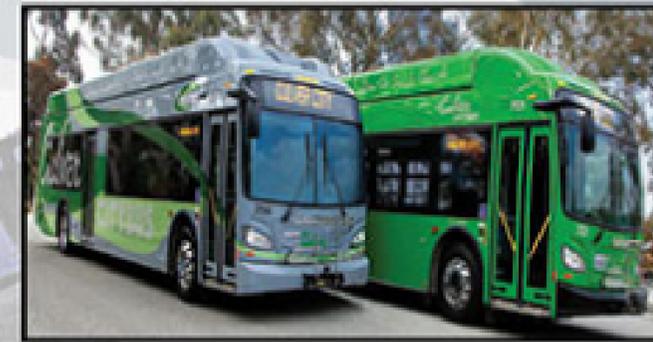
- 150 alternative-fuel vehicles, including 56 CNG buses, 21 heavy-duty CNG refuse trucks and light, medium and heavy-duty vehicles
- 3 bike racks on CityBuses
- Connections to Big Blue Bus, LADOT buses and Metro rail lines
- Bus signal priority
- Real time bus information
- Discounted transit fares and incentive programs

CityBus: 90 years of excellence



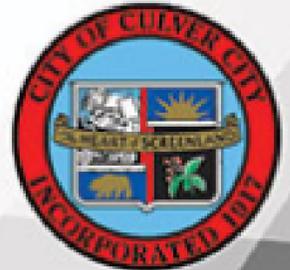
MARCH 3, 1928

Celebrating
90
Years



MARCH 3, 2018

Culver
CITYBUS



As of June 1, 2018, the City's fleet is using Renewable Natural gas (RNG); reducing CO₂ emissions by 34,500 metric tons over the first five years. This is a 275% increase in reductions versus what was achieved with fossil CNG.



In the works...



Bicycle & Pedestrian Action Plan

Culver City is updating its Bicycle & Pedestrian Action Plan:

- Exploring Vision Zero
- Bike Share Feasibility Study released March 2017
- Safe Routes to School project
- Complete Streets Policies - to be presented to City Council summer 2018



Public Works



Safe Routes to School Program

Through the citywide **Safe Routes to School** program, Culver City has invested in several infrastructure projects to bring greater safety to bicyclists and pedestrians. Street improvements were completed near Linwood E. Howe Elementary School and are planned for La Ballona Elementary School in 2018/2019.



Scooters

A 6-month pilot program with Bird and Lime scooters began in Summer 2018.

E-scooter pilot program



In the works...

Bike share

In an effort to improve mobility and decrease carbon emissions, Culver City is studying options for shared micro-mobility



A bike share feasibility study was completed in 2017.



In the works...

Mobility and health

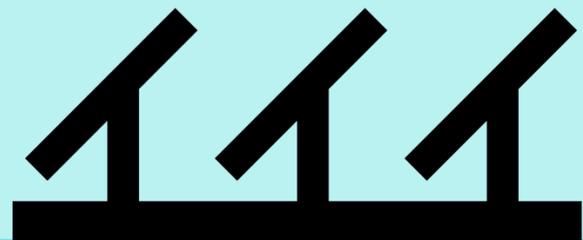
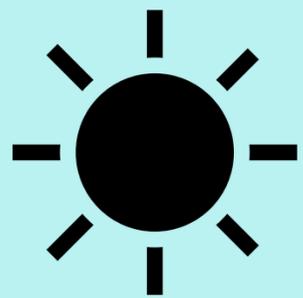
The City is working on mobility, healthy community, climate change, and air quality improvements through our work on a new Travel Demand Forecast Model, a revised TDM Ordinance, a new GHG Inventory, and the upcoming General Plan Update



In the works...

Microgrid feasibility study

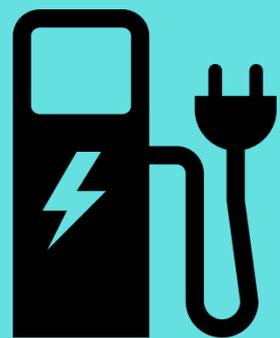
Culver City is studying the feasibility of implementing a microgrid campus project for two critical city facilities that could serve as emergency shelter after a natural disaster.



In the works...

Currently required:

- EV charging stations stub outs with 10% EV-ready
- Bicycle parking



Entitlement requirements

Zoning code is being amended to make these mandatory for all discretionary and non-discretionary projects

The City has installed EV charging stations for public use at the Ince Parking Structure and City Hall.



In the works...

Mobility fee being studied to be implemented with new entitlements to fund local mobility projects including micro-transit

Mobility fee

Employment and housing data



Fee = cost/unit or cost/sf



List of capital projects

In the works...

Micro-transit pilot program

Culver City studying on-demand micro-transit pilot program

- Serves as first and last mile connection to transit
- Encourages ride sharing
- Reduces SOV trips

