

ENVIRONMENTAL PROGRAMS UPDATE

May 23, 2022

FOCUS AREAS



Energy



Water
Conservation



Pollution
Prevention



Waste Reduction



Coastal



Events &
Outreach

Focus Areas	Work Plan	Work Plan Title
Energy	5.l. 5.g. 5.h.	Dark Sky Ordinance Implementation Clean Power Alliance Environmental Programs
Water Conservation	5.h.	Environmental Programs
Pollution Prevention	5.a. 5.c. 5.d. 8.g. 5.k.	Civic Center Water Treatment Facility Clean Water Monitoring Program Clean Water Regulations Compliance Stormwater Treatment Facilities Dumpster Lid Ordinance Implementation and Enforcement
Waste Reduction	5.h.	Environmental Programs
Coastal	5.f.	Coastal Vulnerability Assessment
Outreach & Events	5.h.	Environmental Programs

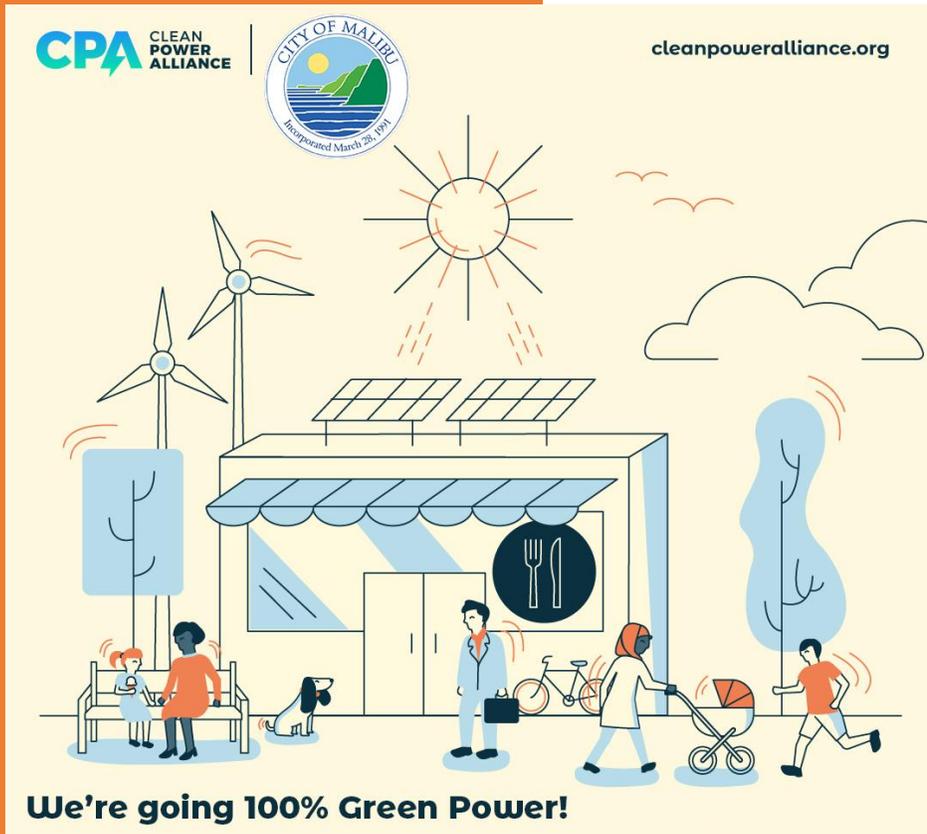
ENERGY

Work Plan Items:

5.g. Clean Power Alliance

5.h. Environmental Programs

CLEAN POWER ALLIANCE



- December 2017: Council voted to become a member of CPA.
- June 2019: Council opted municipal facilities to 100% Green Power.
- October 2020: 100% Green Power Default took place

Customer Status:

- Malibu's Overall Participation: **96.7%**
- Malibu CPA customers receiving 100% Green Power: **96.4%**.

Council Action 12/20/17



ACTIVE RESIDENTIAL
CUSTOMERS

5,620



ACTIVE COMMERCIAL
CUSTOMERS

1,276

Malibu

has **6,896** active customers
of **7,129** eligible customers.

Clean Power Alliance (CPA)
member agencies avoided an
estimated **878,000 METRIC TONS**
of greenhouse gas emissions,
since launch of service in 2018.

**Based on usage through October of 2021.*



This is the equivalent of 14.5 MILLION TREES
PLANTED AND GROWN FOR 10 YEARS!

14,500,000 TREES

Statement by Malibu's Power Provider
About Recent Issues Effecting
Customers' Electricity Bills



**We're transitioning to
Time-of-Use:**
reducing the cost of
energy earlier in the day
and late at night – when
there is less demand.

You can save by using less from 4–9pm starting in
February and March. See your options and learn
more: cleanpoweralliance.org/timematters



CUSTOMERS CAN
OPT-OUT ANY TIME



Council Action 10/28/19



CITY HALL SOLAR PROJECT

- CPA's Power Ready Program
- Added to FY 2022-2023 Work Plan
- Staff will be exploring the potential funding opportunities.



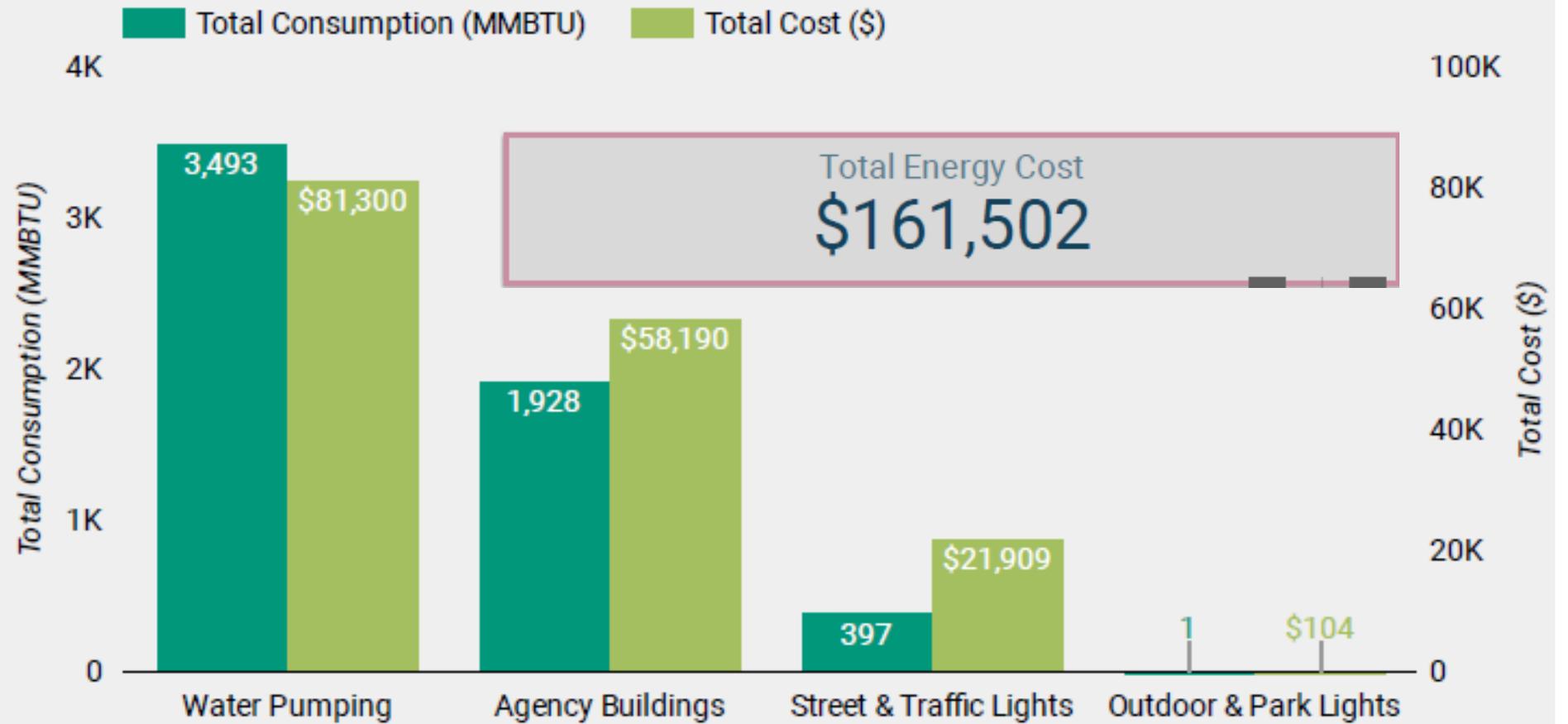


DARK SKY

- 02/23: Postcards Mailed
- Planning Webpage Updated
- Social Media Posts
- 02/14: Dark Sky Outreach and Implementation Request for Proposals (RFP) released
- 04/25: Professional Services Agreement to Council
- 04/27: Kick off meeting with Lighting Engineer Benya
- 05/11: Mailed Commercial Letters (over 150)

Council Action 05/14/18

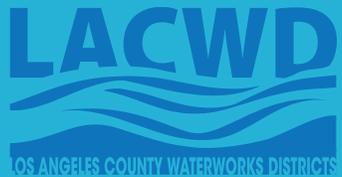
Annual Total Energy Consumption & Cost by Building Type



WATER

Work Plan Items:

5.h. Environmental Programs



**MALIBU
SMART**

Save water. Live well.

MALIBU SMART

- IRWMP Grant partnership between the City, West Basin, and LA County Waterworks District 29 to save 28 million gallons of water per year through incentives for water saving devices.
- Events offered:
 - Rainwater & Greywater Workshop
 - Turf Replacement Class
 - Rain Barrel Distribution
 - Firescaping Workshops

Council Action 09/28/15

MALIBU SMART OFFERINGS

MALIBU SMART



TOPANGA SMART

ONLY
250
LEFT



FREE
SMART
Sprinkler
Timer +
Installation

GET
YOURS
NOW

\$500+
VALUE

The City of Malibu, West Basin Municipal Water District and the County of Los Angeles Public Works have teamed up to help Malibu and Topanga residents save water and money by providing **FREE SMART sprinkler timers**.



September 15, 2021
Over 40 attendees

Council Action 09/28/15

POLLUTION PREVENTION

Work Plan Items:

- 5.a. Civic Center Water Treatment Facility
- 5.d. Clean Water Monitoring Program
- 5.e. Clean Water Regulations Compliance
- 5.o. Dumpster Lid Ordinance Implementation and Enforcement
- 8.c. Stormwater Treatment Facilities

DUMPSTER LOCKING LID SERVICE



FY 2020/2021:

- ESD Inspections: 168
- Businesses that Received ESD Notices: 24
- Referred to Code Enforcement: 9

FY 2021/2022:

- ESD inspections: 62 in Q1
- Q2 inspections will take place before July 2022
- Referred to Code Enforcement: 3 shopping centers

Locking lid service at 100% shopping centers and restaurants.

Council Action 03/03/20



REGULATORY COMPLIANCE



Los Angeles Regional or State Water Quality Control Boards

Enhanced Watershed Management Program (EWMP)

Coordinated Integrated Monitoring Program (CIMP)

Civic Center Wastewater Treatment Facility (CCWTF) Monitoring Program



Los Angeles County Environmental Health Department/ State Water Resources Control Board

Recycled Water Program



CalRecycle/ LA County Fire Department

Household Hazardous Waste (HHW) / Antifreeze Batteries Oil and Paint (ABOP) Program

MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) PERMIT

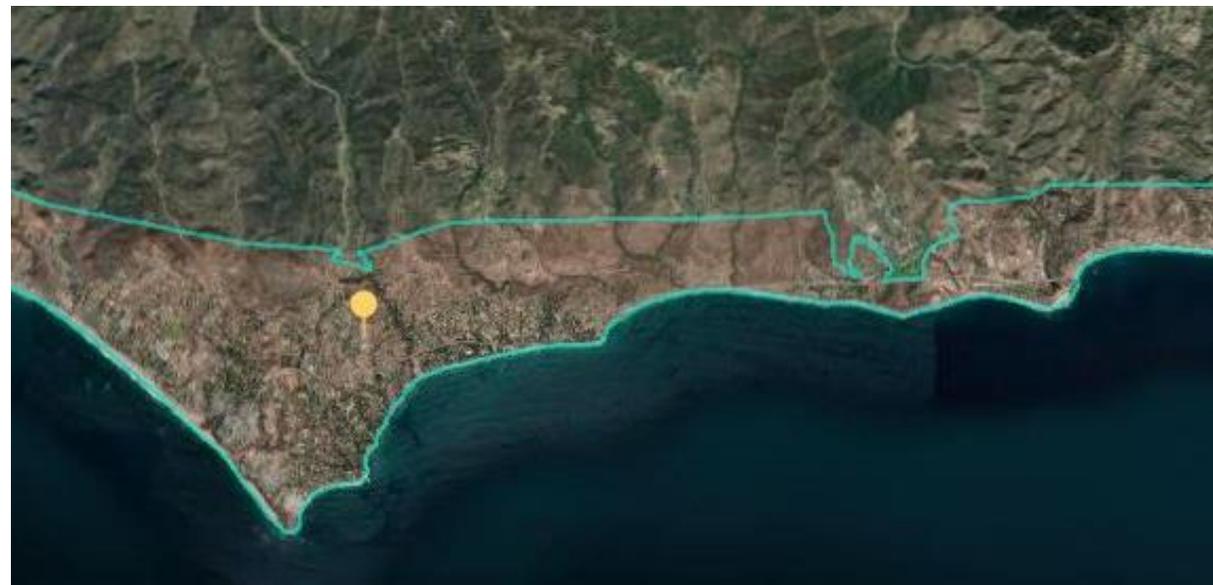


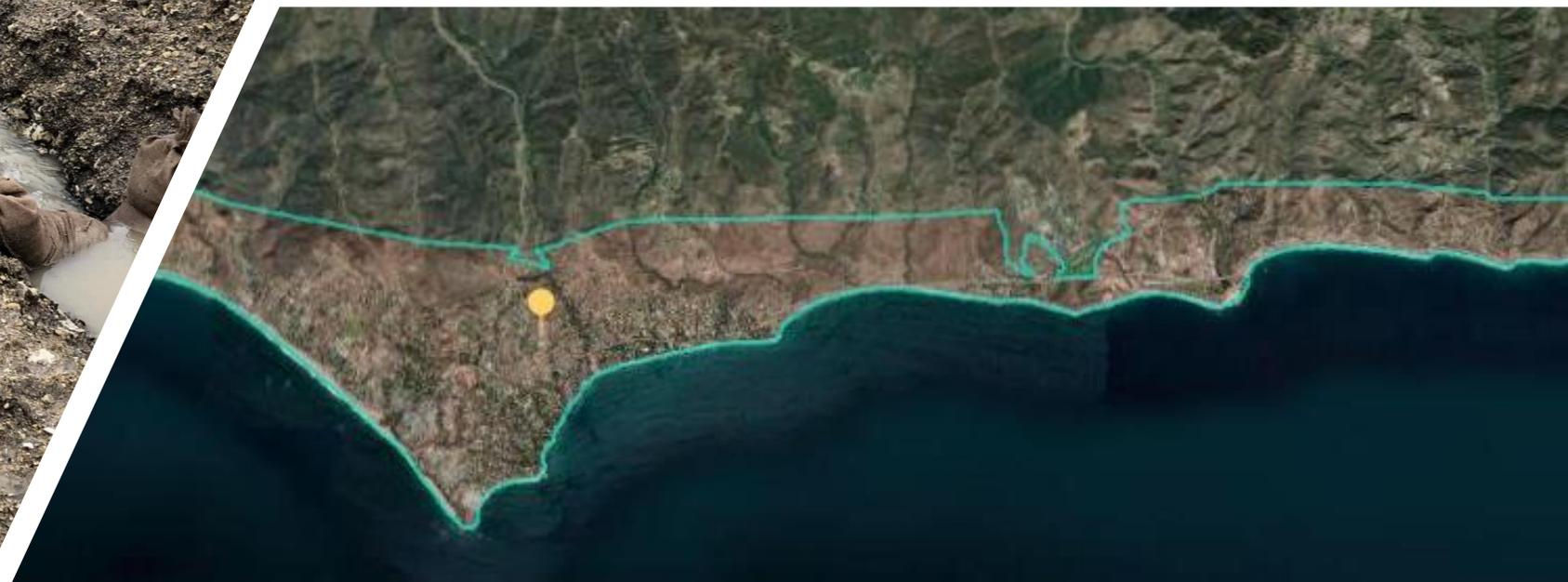
- Commercial Inspections
 - FY 21-22: 85 inspections
- Construction Inspections
 - FY 20-21: 329 inspections
 - FY 21-22: 410 inspections
- Illicit Discharge/Illicit Connection program
 - FY 20-21: 30 inspections
 - FY 21-22: 34 Inspections
- Non-stormwater outfall monitoring (biennial)
 - 2021: 30 outfall inspections
- Best Management Practices

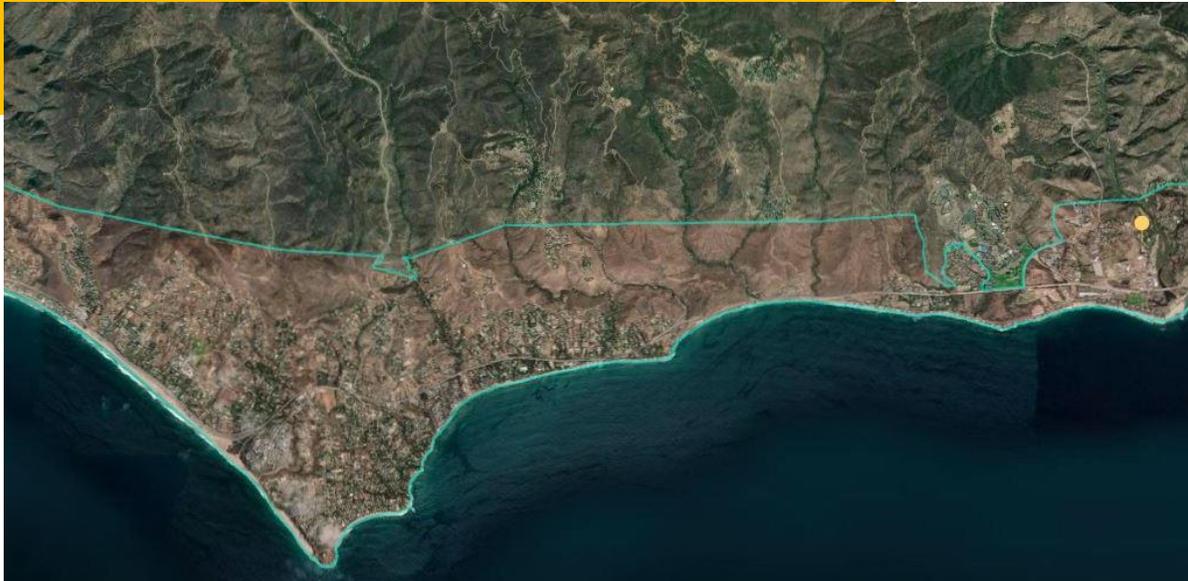
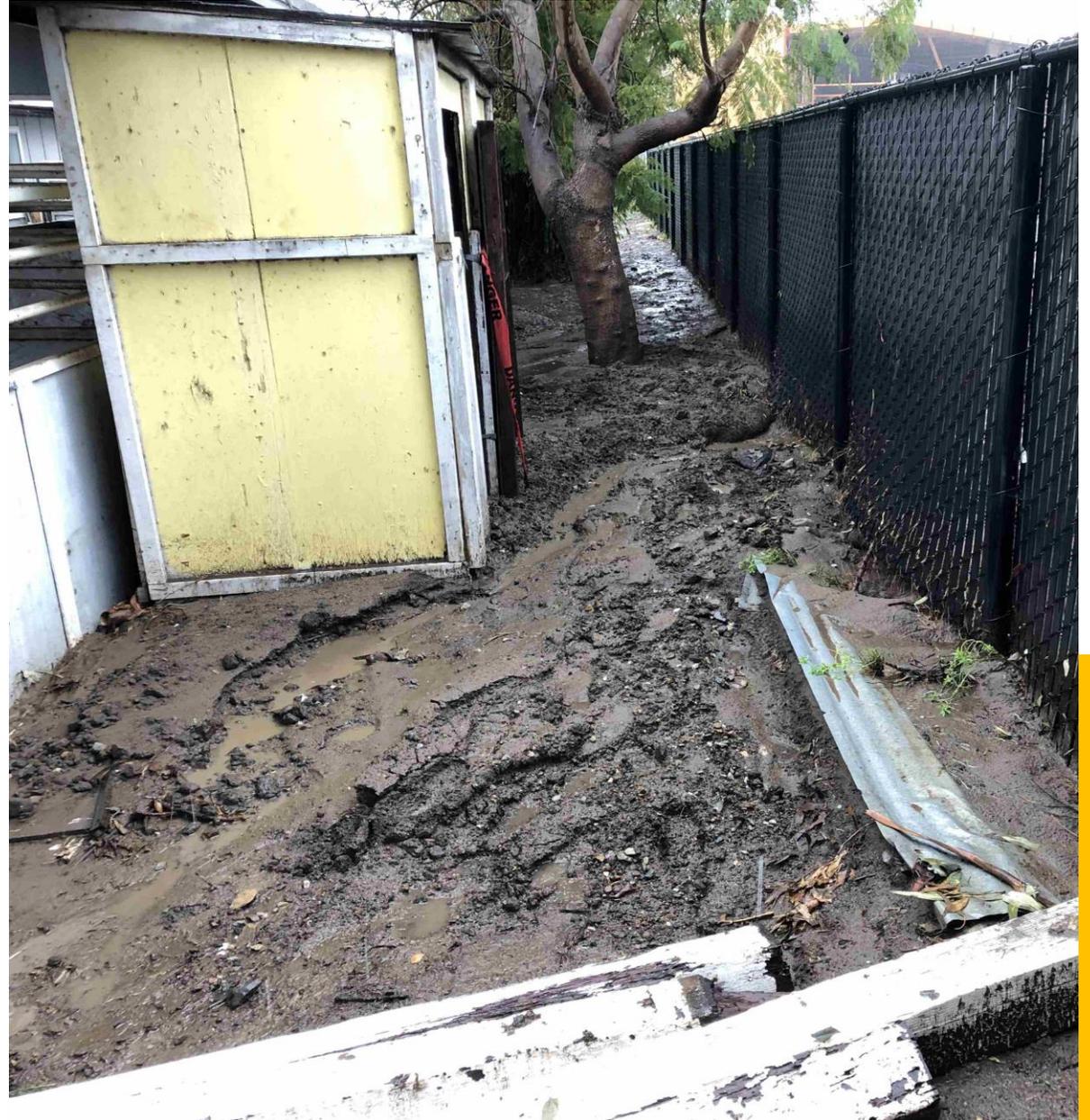


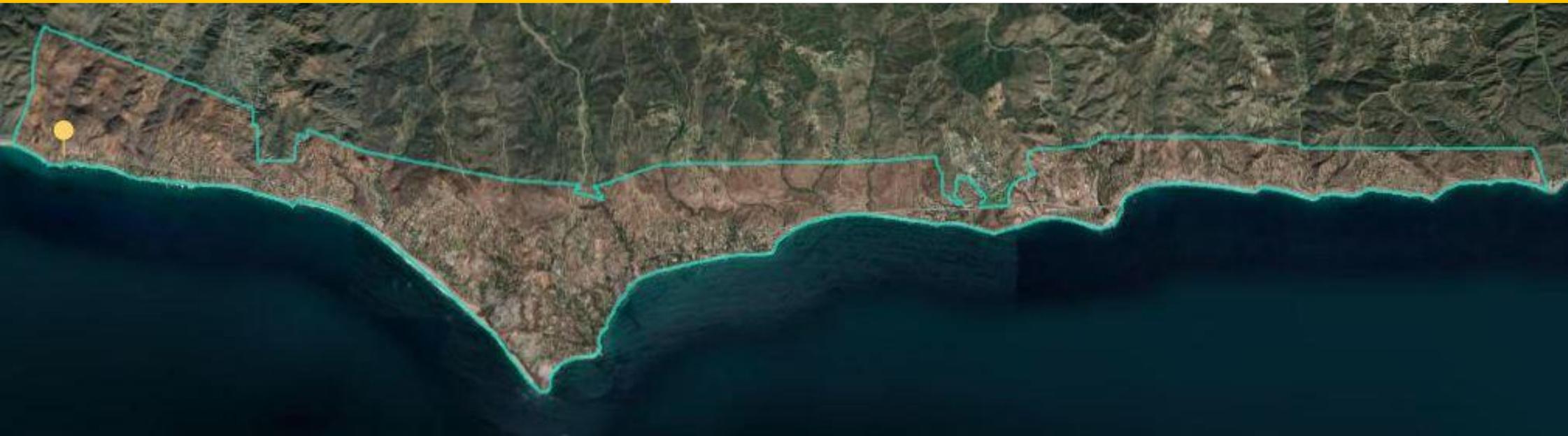
MALIBU RAINFALL 2021

- Dec 29th 10 AM – Dec 30th 4 AM, we received 2.75”
- Dec 30th 4:00 AM – 5:30 AM, we received an additional 0.43”
- Dec 23rd – Dec 30th, we received 7.76”









JUNE 30, 2021

DRAFT

Enhanced Watershed Management Program (EWMP) for North Santa Monica Bay Coastal Watersheds

Submitted to:
Los Angeles Regional Water Quality Control Board

Submitted by:
North Santa Monica Bay Coastal Watersheds EWMP Group



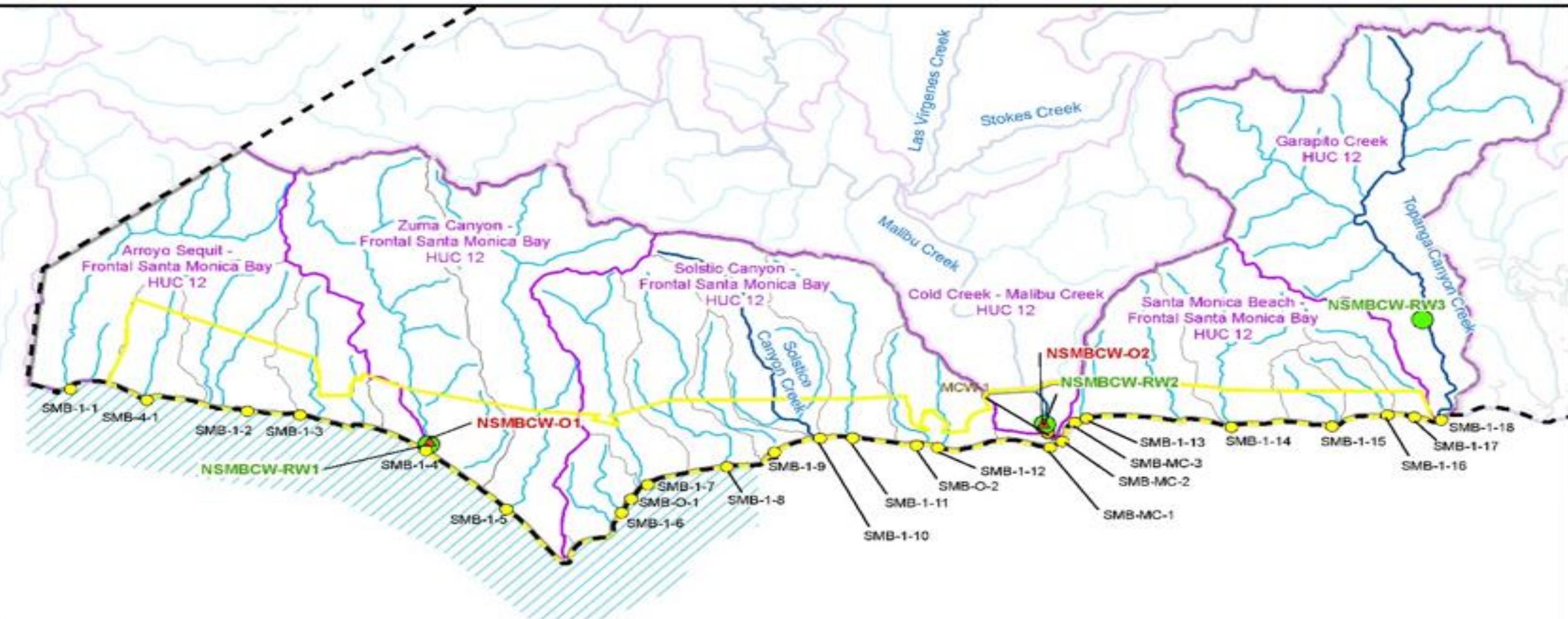
ENHANCED WATERSHED MANAGEMENT PROGRAM

- Receiving Water Limitations
- Total Maximum Daily Load Provisions
- Coordinated Integrated Monitoring Program Implementation



COORDINATED INTEGRATED MONITORING PROGRAM (CIMP)

- Monitoring at 3 receiving water sites and 2 outfalls
 - 3 wet weather events & 2 critical dry weather events annually
- Santa Monica Bay Marine Debris TMDL (Monitored through Malibu Creek Trash TMDL)
- Santa Monica Bay Bacteria TMDL (3x week)
- Malibu Creek and Lagoon Trash TMDL (2x month)
- Malibu Creek and Lagoon Bacteria (weekly)
- Malibu Creek and Lagoon Sediment and Nutrients TMDL
- Santa Monica Bay PCB & DDT TMDL



Legend

LA County Boundary	Monitoring Program
ASBS*	MCW Bacteria TMDL
City of Malibu Boundary	Receiving Water Monitoring
HUC-12-Boundary	Shoreline Monitoring Station
NSMBCW Boundary	MS4 Outfall Monitoring
Subwatershed Boundary	
2010 303(d) Listed	
Streams	

0 1 2 Miles

N

Santa Monica Bay



SAFE CLEAN WATER MEASURE W



SAFE CLEAN WATER L.A.

- Measure W was passed by voters on the November 6, 2018 election
- 2.5 cents parcel tax per ft² of impervious area
- Can only be used for storm water projects
- City receives \$379,000 annually
- \$1,800,000 in Regional Funding available annually



UCSB OCEAN HEALTH STUDY



- Required by the 2012 Settlement Agreement with NRDC and Santa Monica Baykeeper
- Draft June 30, 2022
- Presentation to Council Aug-Sept

WASTE REDUCTION

Work Plan Items:

5.h. Environmental Programs

SB 1383 Requirements

2020

50% REDUCTION IN LANDFILLED ORGANIC WASTE
(11.5 Million Tons Allowed Organic Waste Disposal)

2022

REGULATIONS TAKE EFFECT

2025

75% REDUCTION IN LANDFILLED ORGANIC WASTE
(5.7 Million Tons Allowed Organic Waste Disposal)

2025

20% INCREASE IN RECOVERY OF CURRENTLY DISPOSED EDIBLE FOOD

Benefits of Keeping Food Out of Landfills



FEEDS PEOPLE

1 in 7 living in LA County live with food insecurity. Perfectly edible food that is currently being disposed can be distributed to feed those in need.



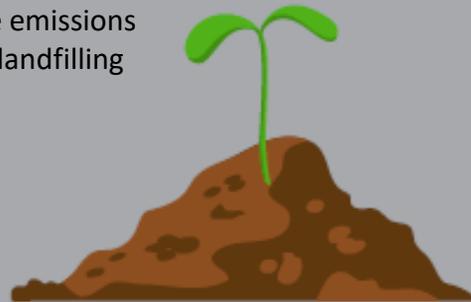
REDUCE GREENHOUSE GAS EMISSIONS AND SLOWS DOWN THE IMPACTS OF CLIMATE CHANGE

When trapped in a landfill, organic waste decomposes without oxygen. This process produces methane, a greenhouse gas 25x more powerful than CO₂.



COMPOST RESTORES SOIL

Composting organic waste reduces methane emissions as compared to landfilling



REDUCES NEED FOR LANDFILLS

Local landfill capacities are rapidly being consumed, organic recycling and composting now will help meet future needs.



City Responsibilities

Provide Organics Collection Services to All Residents and Businesses



Conduct Education and Outreach to Community



Secure Access to Recycling and Edible Food Recovery Capacity



Establish Edible Food Recovery Program



Procure Recyclable and Recovered Organic Products



Monitor Compliance and Conduct Enforcement



RESIDENTAL

**MALIBU RESIDENT
ZERO WASTE**
Service Guide

MalibuCity.org/Organics

For the Resident Zero Waste Guide:
MalibuCity.org/HomeZeroWasteGuide

American families throw out approximately 25% of the food and beverages we buy.
Try this food saving tip at home:

Refrigerate or freeze prepared food in covered containers to reduce spoilage

Visit MalibuCity.org/Organics

CITY OF MALIBU

Where does organic waste like food scraps go?
It depends on your hauler:

 UNIVERSAL WASTE SYSTEMS	 WASTE MANAGEMENT
Nothing changes. Place food scraps in your trash bin	Separate food scraps from trash. Place food scraps in your green waste bin
	
Both will recycle organic waste into energy or compost!	

MalibuCity.org/Organics

Malibu 2022
Earth Month



Malibu Organics Recycling Virtual Meeting

THURSDAY / APRIL 28 / 6:30 PM



To register and join the virtual meeting,
visit [CleanLA.com](https://www.CleanLA.com) or scan the QR code
with your smartphone camera

VIRTUAL COMMUNITY MEETING



CITY OF MALIBU

Malibu Organic Waste Recycling

Virtual Community Meeting

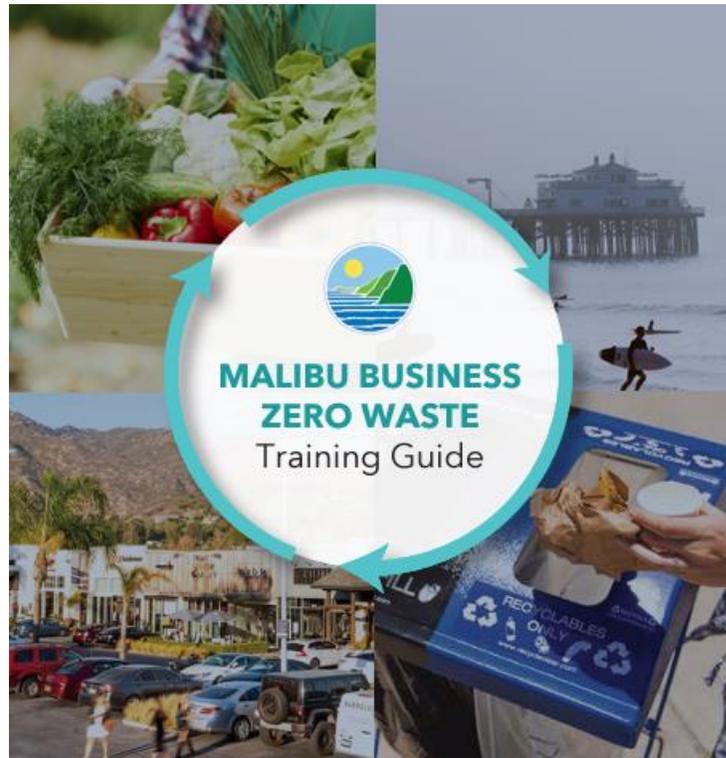
Breakout
Rooms



COMMERCIAL



Staff visited St. Aidan's Church on 11/09/21 to provide support for organics recycling



Visit MalibuCity.org/Organics

Training Staff



- Identify all staff that will be involved with food scraps collection.
- Designate a "Food Scraps Champion" to take the lead on staff training and monitoring of the program.
- Educate new staff on how to sort properly during training.



- Explain what food scraps are and why it is being collected for diversion.
 - Food scraps are any leftover food-based material.
 - State law requires this material to be collected and diverted to prevent the generation of greenhouse gases.



- Ensure all staff know locations of inside containers and outside cart.
- Direct staff to posters or other educational material to ensure continued proper sorting.

Edible Food Recovery



Food recovery is collecting edible food that would otherwise go to waste and redistributing it to feed people in need. This is the highest and best use for food that would otherwise go to waste.

LOCAL FOOD RECOVERY ORGANIZATIONS

Malibu Boys & Girls Club

- o 30215 Morning View Drive, Malibu, CA 90265
- o Types of Food Accepted: Produce, Meat, Prepared Food, Dry Food, Canned Food, Dairy Products, Baked Goods
- o Donations: Accepted Monday - Thursday 10:00 AM - 4:00 PM; contact Siugen Constanza, BGCM Director of Community Affairs & Outreach emergencyrelief@bgcmalibu.org or 310-457-6801 ext. 74141
- o Provides Transportation: Yes

Malibu Community Labor Exchange

- o 23595 Civic Center Way, Malibu, CA 90265
- o Types of Food Accepted: Produce, Dry Food, Canned Food, Baked Goods
- o Donations: Contact malibucl@malibucl.com or 310-317-4717
- o Provides Transportation: Yes

Malibu CART – Not accepting food donations currently

Malibu United Methodist Church – Not accepting food donations currently

Commercial Edible Food Generators

Tier 1

January 1, 2022

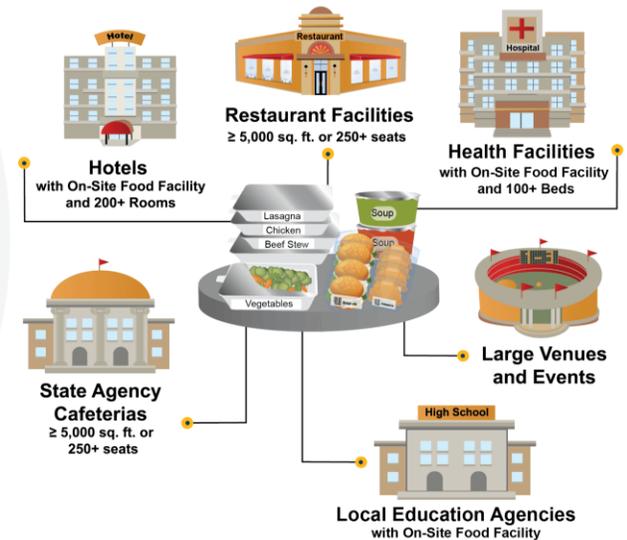
Tier one businesses typically have more produce, fresh grocery, and shelf-stable foods to donate.



Tier 2

January 1, 2024

Tier two businesses typically have more prepared foods to donate, which often require more careful handling to meet food safety requirements (e.g. time and temperature controls).



Visit MalibuCity.org/FoodRecovery

COASTAL

Work Plan Items:

5. i Coastal Vulnerability Assessment

MALIBU LIVING SHORELINE



January 27, 2020, Council approved the request from The Bay Foundation to waive review fees for the Malibu Living Shoreline Project.

- Increase the resiliency of the shoreline
- Protect against sea level rise and coastal storms
- Increase engagement of the community

Council Action 01/27/20

03/23 ZUMA BEACH EVENT



4/30 POINT DUME EVENT



Over 40 attendees that removed over 400 pounds of non-native plants.

Zuma Lagoon
Existing View



Zuma Lagoon
Proposed View



Point Dume Beach
Existing View



Point Dume Beach
Proposed View: Phase 1



COASTAL VULNERABILITY ASSESSMENT



Council directed staff to conduct a Coastal Vulnerability Assessment that evaluates the susceptibility of the coastline to sea level rise.

COMMUNITY ENGAGEMENT

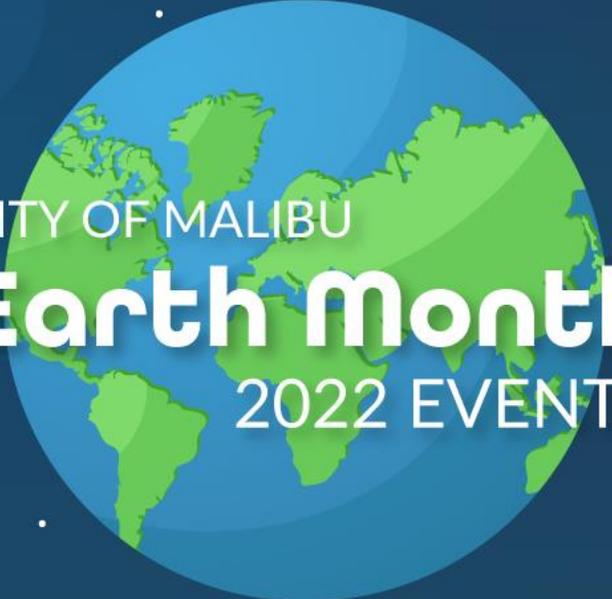
- Planned Public Workshops in 2020 were postponed due to COVID-19
- Outreach will resume March 2023

Council Action 01/22/18

OUTREACH & EVENTS

Work Plan Items:

5.d. Sustainability Outreach



CITY OF MALIBU

Earth Month

2022 EVENTS

- **Thursday, April 7, 7:00 PM**
Malibu Library Speaker Series
- **Saturday, April 16, 10:00 AM - 2:00 PM**
Document Shredding and Household Hazardous
& Electronic Waste Collection
- **Thursday, April 28, 6:30 PM**
Organic Recycling Virtual Community Meeting
- **Friday, April 29, 10:30 AM - 12:30 PM**
Earth Day Giveaway at the Senior Center
- **Saturday, April 30, 9:30 AM - 11:30 AM**
Malibu Living Shoreline Community Restoration Event

For more information and to register, visit MalibuCity.org/EarthMonth



CITY OF MALIBU

DOCUMENT SHREDDING, HOUSEHOLD HAZARDOUS & E-WASTE COLLECTION

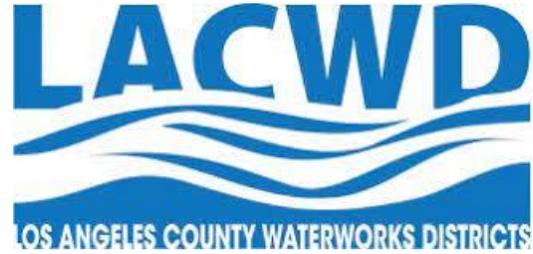
SAT, APRIL 16

10 AM - 2 PM | Malibu City Hall



OUTREACH & EVENTS

- 10/16: HHW & E-Waste Collection
 - 113 gallons paint; 31 gallons motor oil; and 3.1 tons e-waste
- 12/11/21: LA County HHW & E-Waste Collection
- 12/27-01/10: Holiday Tree Recycling
 - 3.8 tons
- 02/19: HHW & E-Waste Collection
 - 223 gallons paint; 38 gallons motor oil; and 3.2 tons e-waste
- 04/16/22: Recycle Day
 - 175 gallons paint, 40 gallons motor oil, and 2.9 tons of e-waste



MALIBU AREA CONSERVATION COALITION



RESOURCE
CONSERVATION DISTRICTS



Successful MACC Partnerships

- Malibu Smart
- Resilient Malibu Workshops
- SMMUSD Water Education Program
- Firescaping Workshops
- Pepperdine Partnerships



PACKAGE WASTE

Packaging from food products creates tons of waste, uses a lot of energy, and contributes to climate change.

PEPPERDINE PARTNERSHIPS

Old Me **New Me**



Stored carrots and celery in a container

Stores carrots & celery submerged in water. Celery last up to **2 weeks**, carrots up to **1 month**



City of Malibu
Spring 2022

Recreation Guide

and City Newsletter

City of Malibu
Summer 2022

Recreation Guide

and CITY NEWSLETTER

RECREATION GUIDES



CITY NEWSLETTER

Summer 2022

How to Collect and Sort Your Food Scraps

The City of Malibu launched a new mandatory organic waste recycling program to help Malibu businesses and residents reduce their carbon footprint and the impacts of climate change. The City has two permitted haulers, Waste Management (WM) and Universal Waste Systems (UWS), that provide organic recycling service to residents.

Based on your hauler,
follow these tips to help your household collect and sort food scraps:



WASTE
MANAGEMENT

Food scraps go into the cart with landscaping waste

Step 1. Keep a kitchen container (yogurt, coffee, or plastic food storage container) in a convenient location in your kitchen (freezer, refrigerator, counter top, or under the sink) and place leftover food scraps in it.

Step 2. Empty the contents of your kitchen container into your green waste organics cart the night before or morning of pickup. Make sure the green cart lid is closed at all times.

Step 3. Wash your organics collector container in the dishwasher or by hand after emptying. Sprinkle baking soda inside of the kitchen container to absorb odors.



UNIVERSAL
WASTE SYSTEMS

Food scraps go into the cart with trash

UWS customers will continue to place food scraps in their trash cart.

UWS will take the contents of the trash containers to a high diversion processing facility where food waste will be extracted from the trash and converted into energy.



Learn more at MalibuCity.org/Organics



CITY NEWSLETTER

Spring 2022



TIME OF USE ENERGY RATES CLEAN POWER ALLIANCE

The Time-of-Use (TOU) transition is a statewide initiative that encourages people to use energy during the morning, afternoon, and late evening when renewable energy is more abundant and lower priced. By changing habits and using less energy during peak usage hours (4 - 9PM), many customers can save money on the new TOU rates.

Clean Power Alliance (CPA) is the electricity provider for the Malibu community and is scheduled to transition local customers to TOU rates in March 2022. It is important to note that you still have the power of choice with CPA and can choose to remain on a flat Domestic Rate.

Customers currently on a Domestic Rate Plan that switch to a TOU rate plan can take advantage of a 12-month risk-free trial. CPA is offering bill protection, which means any customer that pays more after the year trial period will receive a bill credit in the amount of the difference. If they take advantage of lower priced electricity during off-peak hours, they can save money.

Because Malibu is already at CPA's 100% Green Power, we are ahead of the state in this endeavor.

For more information or to opt-out of the transition, visit ClearPowerAlliance.org/TimeMatters

HOUSEHOLD HAZARDOUS WASTE AND E-WASTE RECYCLING

Responsibly recycle and dispose of electronics, compact fluorescent bulbs, used motor oil, latex (water based) paint, automotive and household batteries.

Staff will remove the items from your trunk or flat bed. COVID-19 safety precautions in place. Attendees must wear a mask and stay in their vehicle with the window closed. Visit MalibuCity.org/EnviroEvents for more information.

DATE	DAY	TIME
Apr 16 Jun 18	Sat	10AM - 2PM

LOCATION: Malibu City Hall, Upper Parking Lot

ENVIRONMENTAL SERVICES ON SOCIAL MEDIA

Find us on Facebook and Twitter @MalibuEnviroDpt or sign up for Malibu Environmental Programs calendar notifications via email or text at MalibuCity.org/EnviroEvents. New City events may be added after the newsletter is published.



The Malibu Times

COMMUNITY NEWS

Restoring Malibu beaches, one volunteer at a time

By Samantha Bravo May 7, 2022

38 0



Around 50 volunteers, some from Malibu Middle and High School, volunteered on Saturday April 30, for the Bay Foundation Dune Restoration, a Malibu Living Shoreline Project, which aims to restore approximately three acres of sandy beach and dune habitat at Zuma Beach and Point Dume Beach. Photo by Samantha Bravo/TMT.

To close out Earth Day celebrations, around 50 volunteers, some from Malibu Middle and High schools, volunteered on Saturday, April 30, for a Malibu Living Shoreline Project (MLSP) organized by the Bay Foundation Dune Restoration, which aims to restore approximately three acres of sandy beach and dune habitat at Zuma Beach and Point Dume Beach.

This project evaluates living restored shorelines with an approach to increase coastal resiliency. Volunteers assisted with site maintenance by removing non-native vegetation, but also learned about the benefits of dune restoration and how it improves habitat. With hands-on learning, volunteers were able to identify both non-native and native plants.

The nonprofit organization, Bay Foundation, and project partners hosted a morning for volunteers to remove non-native plants

PRESS COVERAGE

B8 MONDAY, AUGUST 9, 2021

Los Angeles Times

LATIMES.COM

‘The contrast is really striking between what a beach can be in California, and what a lot of beaches are in California.’

— JENNY DUGAN, coastal marine ecologist at UC Santa Barbara



SARA CUADRA, the Bay Foundation’s plant whisperer, sprinkles seeds by Zuma Lagoon. Conservation workers spent weeks clearing the area of invasive species.

SHORING UP FOR THE FUTURE

[Dunes, from B2]

Once the ecosystem engineers have stabilized the dune, plants like beach evening primrose can move in and help develop the habitat further, said Hubbard, who has advised numerous restoration across California, including the one in Malibu. These plants are a rare sighting these days. Many beaches are now matted with a stubborn carpet of ice plant, whose fleshy green leaves and aggressive roots spread so quickly that they crowd out native plants. As one park ranger put it: Ice plant may look green and familiar, but to wildlife, it may as well be concrete. This invasive plant from South Africa was popularized decades ago as a cheap way to control erosion. Agencies such as the U.S. Army Corps of Engineers and the California Department of Transportation once planted them as a way to stabilize cliffs and highway embankments. But the plant quickly invaded much of the coast and got out of control. Dunes in their natural state can also help delay or soften the onslaught of wave erosion. The trick is to see them not as static features on the beach, but as a dynamic, ever-adjusting bank of sediment that dunes and supplies sand depending on the season and tide. With the increasing pressures of sea level rise, these sandy ecosystems may be the first to vanish if the human-built world does not change course. A recent study led by the U.S. Geological Survey found that dune habitats in California may have already reached a tipping point. Experts say it’s important to identify areas along the coast that still have enough sand — and time — to give dune restoration a try

cient protection for the existing infrastructure — two lifeguard buildings, public restrooms, the parking lot and an access road — remains unclear. But at least on these two beaches, there is still enough time to try these so-called living shorelines. “There are all these options out there, but very few of them have been tested on the West Coast — California still needs demonstration projects,” said Bryan Sloane of the California Coastal Conservancy, which funded the Malibu restoration and has been involved in many of the pilot projects testing dunes, oysters and other potential habitats that could double as shoreline protection. “If we don’t want our coast to become one long stretch of sea walls and rocks — with no wetlands and no beaches to lay our towel on — we need to develop more approaches to deal with these threats.”

Back at Point Dume, Cuadra knelt down to examine the field team’s progress. The beach was now cleared of 50,000 pounds of ice plant, which they had spent weeks coaxing out of the sand. She checked the dozens of wooden garden stakes now planted in its place — positioned in strategic clusters to help accumulate more sand — and the steel posts that marked where beachgoers could walk without trampling this budding ecosystem. “We noticed a massive stem of ice plant and three

B2 MONDAY, AUGUST 9, 2021 Los Angeles Times LATIMES.COM



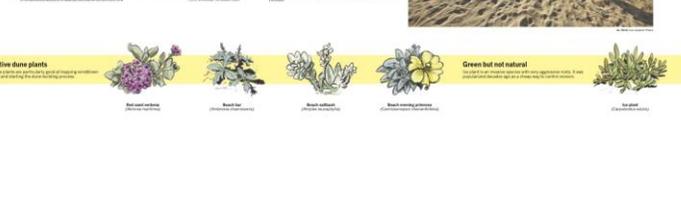
CAN COAST RETURN TO ITS WILD ROOTS?

Story by Rebecca Xia // Illustrations by Paul Dugan

Along a stretch of Southern California, beneath the shadow of Point Dume, Sara Cuadra cradled a rock and pebbles that nestled the past years of restoration. “It’s the same old story, this was just another pretty spot in Malibu — a popular site for film shoots and Instagram. Well, surfing and long walks by the sea. But here around the mouth of Westward Beach, where the shoreline has quietly eroded with each passing year, Cuadra has spent weeks reading, square foot by square foot, a forgotten ecosystem that has long since been destroyed. “That should die,” she said, patting the sand with intention. “I think we can start working.”



The dunes are still in the process of being restored. The area is a mix of sand and sparse vegetation. A map of the Los Angeles coastline shows the location of the restoration site.



ORGANIC RECYCLING

THE FIGHT AGAINST FOOD WASTE

In an effort to reduce organic waste in landfills, Malibu has adopted an organic and food waste recycling service. Malibu Magazine takes a look at what this means for the community.

written by Barbara Burke

For the past few years, state lawmakers, L.A. County and City of Malibu officials have worked to implement organic waste recycling programs. Food waste and green waste contribute to more than 30 percent of the solid waste disposed of in landfills.

Efforts to recycle organic materials began with Senate Bill (SB) 1383, passed in 2016, which mandates that Californians dispose of unused food, coffee grounds, eggshells, banana peels, and other leftovers into the bins they use for other "green waste," such as lawn clippings, leaves, and garden trimmings. The law was passed because dumping backyard detritus and kitchen waste into landfills produces methane, a super-pollutant greenhouse gas that is up to 80 times more toxic than carbon dioxide. SB 1383 established statewide targets to reduce landfill disposal of organic waste by 50% by 2020 and by 75% by 2025, and to recover edible food that would otherwise be sent to landfills for donations to the needy. In Malibu, unless an approved exemption waiver has been granted by the city, organic waste recycling was initiated for business-

es and multi-family residences (5 units or more) in October, 2021. Effective January 1st, other residential customers must separate organic material from other garbage. "It's a bit of a learning curve," Councilperson Mikke Pierson said, discussing how his family has conformed to the new requirements. "But once you adjust, it's no big deal."

Organic Waste Defined

The City's Municipal Code defines "Organic Waste" as solid waste containing material originated from living organisms and their metabolic waste products, including food, green material, landscape, and pruning waste in addition to organic textiles and carpets, lumber, wood, paper products, printing and writing paper and manure, as well as biosolids and digestates.

The new law states that grocery stores must participate in an edible food recovery program by 2022, diverting up to a quarter of disposed-of edibles to food banks, while restaurants greater than 5,000 square feet in size and large events must comply with the requirements by 2024. It also requires cities to purchase products such as compost

and mulch to create new markets for organic waste byproducts. Finally, it mandates that CalRecycle, the state agency overseeing organic waste recycling, adopt regulations including requirements aimed at meeting a minimum goal of 20 percent of edible food that is currently thrown away be recovered for human consumption by 2025.

How Organic Waste Recycling Works in Malibu

Public Works oversees the Malibu Garbage Disposal District (GDD) which covers portions of the City of Malibu and County incorporated territory. All properties within the GDD are automatically enrolled for services and property owners pay service fees as part of their annual property taxes. The waste hauler for the Malibu GDD is Universal Waste System.

The current service fee for basic service is \$180 per refuse unit per year. The service level and the amount charged is based on the land use codes assigned to the property by the Los Angeles County Assessor, with one refuse unit equivalent to a single-family home.

PRESS COVERAGE

Waste companies want you to recycle organic material

California's new law, SB 1383, took effect Jan. 1

By JUDY ABEL
Special to The Malibu Times

Beginning Jan. 1, a new California law, SB 1383, took effect, requiring businesses and residents to recycle organic food waste. This is in an effort to reduce waste disposal and divert organic waste from landfills, "which eliminates a significant source of methane emissions, one of the most damaging short-lived climate pollutants" according to Coby Skye, a deputy director with Los Angeles County Public Works. Skye oversees solid waste management and other environmental ini-

tiatives for the county.

Skye was one of the speakers at a virtual meeting April 28 co-hosted by the City of Malibu to educate residents on the new law, residents' recycling obligations and just how to do it.

First of all, it's important to know what organic waste is now mandatory to recycle. All food, food scraps, food soiled paper, landscaping waste, wood, manure, and organic textiles count as organic waste that must now be recycled. Christine Shen from the City of Malibu explained at the presentation that this organic material breaks down in landfills creating methane.

"This is a problem because methane is a greenhouse gas that is 25

times more potent than carbon dioxide," Shen said. "Reducing this gas now will significantly reduce emissions and the impacts of climate change in our lifetime."

The next important issue for Malibu residents is to know who your waste hauler is, because the two trash collecting companies in Malibu have different organic waste recycling systems.

Universal Waste Systems services the east end of town to John Tyler Road in what's known as the Malibu Garbage Disposal District. These customers do not receive a separate monthly trash bill because it is already included in city property taxes. Non-MGDD customers are

CONTINUED ON PAGE A6



LOOKING FORWARD

Energy

Water Conservation

Pollution Prevention

Waste Reduction

Coastal

Events & Outreach

COASTAL VULNERABILITY ASSESSMENT

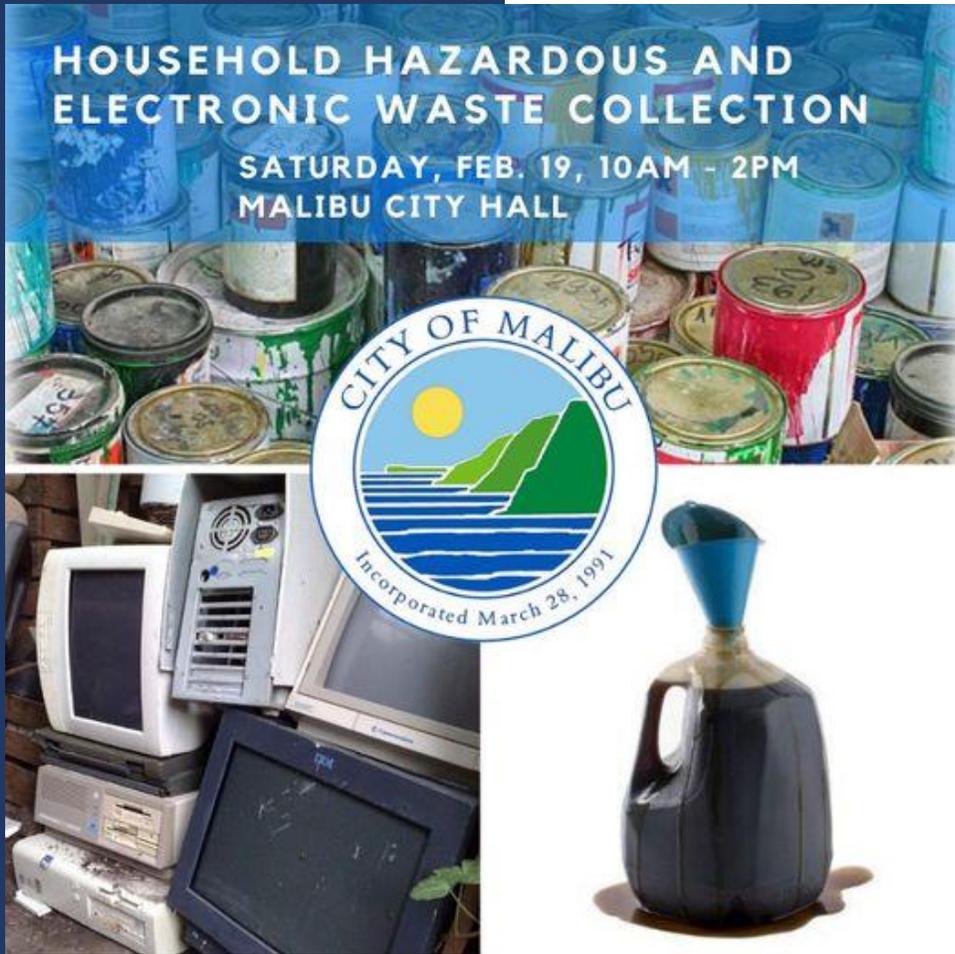


Outreach and engagement will resume March 2023.

Virtual Engagement Strategies

- Video Introduction
- Online Survey
- Interactive GIS Map
- Virtual Workshop

Council Action 01/22/18



HOUSEHOLD HAZARDOUS AND ELECTRONIC WASTE COLLECTION

SATURDAY, FEB. 19, 10AM - 2PM
MALIBU CITY HALL

OUTREACH AND EVENTS

- 06/18: HHW & E-Waste Collection
- 08/20: HHW & E-Waste Collection
- 10/15: HHW & E-Waste Collection

Sign up for notifications at
MalibuCity.org/enviroevents

POLLUTION PREVENTION: REGULATIONS



- Prop 1 & Measure W
- Marie Canyon Green Streets
- Kanan Dume Road Biofilters
- Rural Drainage Inlets
- Malibu Creek TMRP
- EWMP UPDATE
- Regional Phase I MS4 Permit
- Non-stormwater Outfall Monitoring

REGULATORY REPORTING REQUIREMENTS



- Annual and semimanual reporting for the MS4 permit. June 15 & Dec 15
- Annual, semiannual, and quarterly reporting for the WDR permit for the CCWTF - 7/31/22, 10/31/22, 1/31/23, 4/31/23
- Monthly reporting for the Malibu Creek Bacteria TMDL - end of Month
- Annual 303 reporting for HHW/ABOP 10/1/22
- Annual Plan Safe Clean Water LA April 1
- Annual Report Safe Clean Water LA Dec 30

EV CHARGING STATION PERMIT STREAMLINE

AB 1236 (Chiu, 2015) requires all California cities and counties to develop an expedited, streamlined permitting process for electric vehicle charging stations (EVCS).

AB 970 (McCarty, 2021) adds specific binding timelines to review period based on the size of the project and clarifies parking requirements.



DARK SKY UPDATE



- In recognition of International Dark Sky Week (April 22-30), Discovery released a new dark sky-themed episode of Nature in Focus.
- **Webpage update:**
 - *Please note that the existing compliance deadlines only pertain to existing outdoor lighting. All newly approved construction is conditioned to be in compliance with the Dark Sky Ordinance.
- Handouts: Requirements and corrections list

Council Action 05/14/18

WEBPAGE UPDATE

OVERVIEW

The Dark Sky Ordinance regulates outdoor lighting through the addition of comprehensive, citywide outdoor lighting standards which are contained in into [Malibu Municipal Code Chapter 17.41](#).

REQUIREMENTS OF THE ORDINANCE

All outdoor light fixtures must comply with the following requirements immediately:

1. Outdoor light fixtures that have the ability to be redirected, shall be directed downward so as to minimize sky glow, glare and light trespass onto adjacent properties.
2. Outdoor light fixtures that have adjustable dimmers with color temperature that exceeds three thousand (3,000) Kelvin shall be dimmed to comply with Section 17.41.050(G) to minimize glare and light trespass onto adjacent properties.
3. String lights may be allowed in occupied dining and entertainment areas only and must not exceed three thousand (3,000) Kelvin. String lights shall not be used as landscape lights. This does not apply to seasonal lighting.

Additional lighting standards per zoning district can be found below:

A graphic with a dark blue, starry night sky background. The text "Dark Sky Ordinance Update" is written in large, white, sans-serif font, centered vertically and horizontally. At the bottom, the words "COMPLIANCE DEADLINES" are written in a smaller, white, sans-serif font.

Dark Sky Ordinance Update

COMPLIANCE DEADLINES



OUTDOOR LIGHTING APPLICATION



City of Malibu

23825 Stuart Ranch Road · Malibu, California · 90265-4861
Phone (310) 456-2489 · www.malibucity.org

OUTDOOR LIGHTING

APPLICATION SUBMITTAL PACKET

General - The installation of outdoor light fixtures is considered an exterior residential or commercial improvement and requires an application similar to an Over-the-Counter Level II Permit from the Planning Department. In order to process the permit, the items listed on this application submittal packet must be submitted. Upon approval of an Outdoor Lighting Review (OLR) from the Planning Department, a building permit is also required.

Complete Submittals Required - To submit a new application with the City of Malibu Planning Department, all items indicated on this application submittal packet must be provided at the time of submittal. Incomplete submittals will not be accepted. No appointment is necessary to submit an OLR to the Planning Department. See the City of Malibu Planning Department New Application Submittal Guide for more information.

A complete submittal shall consist of the following:

1. **Application Submittal Packet**
This page along with the items listed below.
2. **Application**
Page 2 of this packet signed by the property owner and the applicant.
3. **Authorization to Submit Application**
Page 3 of this packet. An applicant acting on behalf of the owner(s) shall present a notarized, written authorization signed by the property owner(s); a buyer in escrow shall present a notarized written authorization signed by the owner/seller; a lessee shall provide the property owner(s) written approval; authorizations shall give the applicant the authority to submit and process the application.
4. **Compliance Certification Form**
Page 4 of this packet. Compliance with Chapter 17.41 (Dark Skies Ordinance) must be confirmed and certified by a lighting engineer or other lighting professional.
5. **Site Plan**
A site plan depicting the location of the existing and proposed outdoor light fixture(s). The plan shall be fully dimensioned and include project address, APN, property owner name, north arrow, and scale of drawing (e.g. 1/8" = 1'). Size/Quantity - Three (3) full size original, not to exceed 24" x 36" plus one electronic set. Clearly label all existing and new outdoor light fixtures.
6. **Manufacturer Specifications/Fixture Exhibit**
An exhibit of the outdoor light fixture(s) including details regarding the lumen counts and Kelvins proposed to be used in the fixture.
7. **Fee**
Fee in the amount of \$ _____ for Residential, \$ _____ for Commercial – minor, or \$ _____ for Commercial - major.

Staff use only

OLR No. _____ Date Received: _____

Address/Unit/Tenant: _____



City of Malibu

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APPLICANT INFORMATION

The City of Malibu will not accept incomplete applications.

GENERAL INFORMATION

PROJECT ADDRESS: _____

TENANT: (Commercial only) _____

TENANT / CONTACT: First: _____ Last: _____

TENANT ADDRESS: _____ Unit #: _____

PROPERTY OWNER: First: _____ Last: _____

OWNER ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

OWNER PHONE #: _____

OWNER EMAIL: _____

***OWNER EMAIL REQUIRED**

APPLICANT / CONTACT: First: _____ Last: _____

APPLICANT ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

APPLICANT PHONE #: _____

APPLICANT EMAIL: _____

CITY: _____ STATE: _____ ZIP: _____

OWNER/APPLICANT/CONTRACTOR CERTIFICATIONS

The property owners, and their successors in interest, shall indemnify and defend the City of Malibu and its officers, employees and agents from and against all liability and costs relating to the City's actions concerning this project, including (without limitation) any award of litigation expenses in favor of any person or entity who seeks to challenge the validity of any of the City's actions or decisions in connection with this project. The City shall have the sole right to choose its counsel and property owners shall reimburse the City's expenses incurred in its defense of any lawsuit challenging the City's actions concerning this project.

I certify that I am presently the legal owner of the above-described property. Further, I acknowledge the filing of this application and certify that all of the information on the application is true and correct. I grant permission to the City to conduct site visits necessary to investigate the proposed project. (If the undersigned is different from the legal property owner, then a letter of authorization must accompany this form.) A licensed contractor is authorized to submit an over-the-counter application and obtain permits on behalf of the property owner. I acknowledge that the City strongly encourages me to immediately calendar the expiration date of this permit, that it is my responsibility to monitor its status and that the City has no ability to provide relief when a permit has expired.

PROPERTY OWNER SIGNATURE _____ PROPERTY OWNER NAME (PRINT) _____ DATE _____

APPLICANT/CONTACT SIGNATURE _____ APPLICANT/CONTACT NAME (PRINT) _____ DATE _____

BUILDING AND SAFETY REQUIREMENTS



City of Malibu

23825 Stuart Ranch Road · Malibu, California · 90265-4861
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OUTDOOR LIGHTING Required submittal Documents

MALIBU DARK SKY

1. A site/lighting plan clearly showing the location of exterior light fixtures, the fixture type, illuminated area measured in feet, property lines, distance of light fixtures to the property line, structures on the site. Fixture types and symbols utilized on the site plan should be easily coordinated with the manufacturer cut sheet.
2. Elevation drawings showing location, mounting height, and aiming point of outdoor light fixtures.
3. Manufacturer specification sheets, cut sheets, or other manufacturer provided information for all outdoor light fixtures showing fixture diagrams and light output levels.
4. Site plan, lighting plan, elevations, etc. are required to be drawn to scale and be provided on a minimum sheet size of 11X17.
5. For all commercial, multi-family and industrial properties, a computer-generated photometric plan showing foot-candle readings within the property and ten feet beyond the property lines.
6. If sufficient information is not provided to justify the illuminated area and level of illumination, additional information such as a written narrative, photographs, photometric plan, etc. may be required after the first submittal.
7. A building permit is required for new or modified exterior light fixtures. In addition to these requirements, new and/or modified light fixtures are required to comply with the applicable standards listed in the 2019 California Electrical Code and California Energy Code.
 - a) For residential sites,
 - i) A building permit will be required for new light fixtures and/or rewiring.
 - ii) A building permit will not be required for changing light bulbs and/or shielding being added to an existing light fixture.

DARK SKY OUTREACH



- Outreach presentations:
- Commercial-2 Presentations
- Residential- 2 Presentations

Focus Areas	Work Plan	Work Plan Title
Energy	5.l. 5.g. 5.h.	Dark Sky Ordinance Implementation Clean Power Alliance Environmental Programs EV Permit Streamlining
Water Conservation	5.h.	Environmental Programs
Pollution Prevention	5.a. 5.c. 5.d. 8.g. 5.k.	Civic Center Water Treatment Facility Clean Water Monitoring Program Clean Water Regulations Compliance Stormwater Treatment Facilities Dumpster Lid Ordinance Implementation and Enforcement
Waste Reduction	5.h.	Environmental Programs
Coastal	5.f.	Coastal Vulnerability Assessment
Outreach & Events	5.h.	Environmental Programs