

1

Landfill Siting Update

August 26, 2021



City and County of Honolulu
Department of
Environmental Services
Refuse Division

DEPT. COM. 591
ZP/TSH

Overview

- Land Use Commission Decision
- Landfill Advisory Committee (LAC)
- Potential Site Maps
- Interactive Map
- New Refuse and Landfill Siting Websites
- Resident Survey
- Social Media

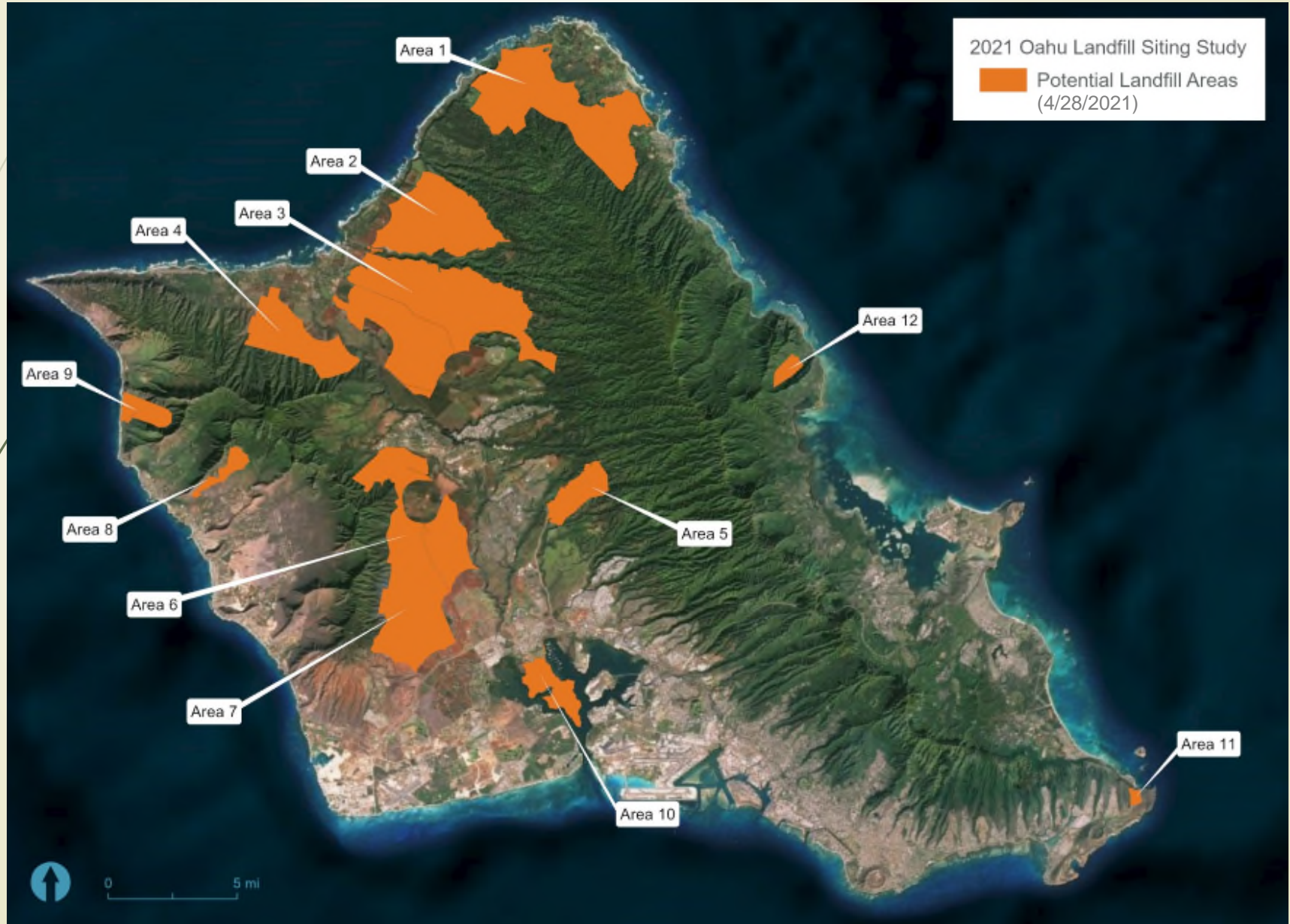
Land Use Commission Decision

- ▶ November 1, 2019: SUP approved by LUC with conditions:
 - “By no later than **December 31, 2022**, the Applicant shall identify an alternative landfill site that may be used upon closure of WGS�.”
 - “WGS� shall close by no later than **March 2, 2028**. The WGS� shall not accept any form of waste after **March 2, 2028**.”

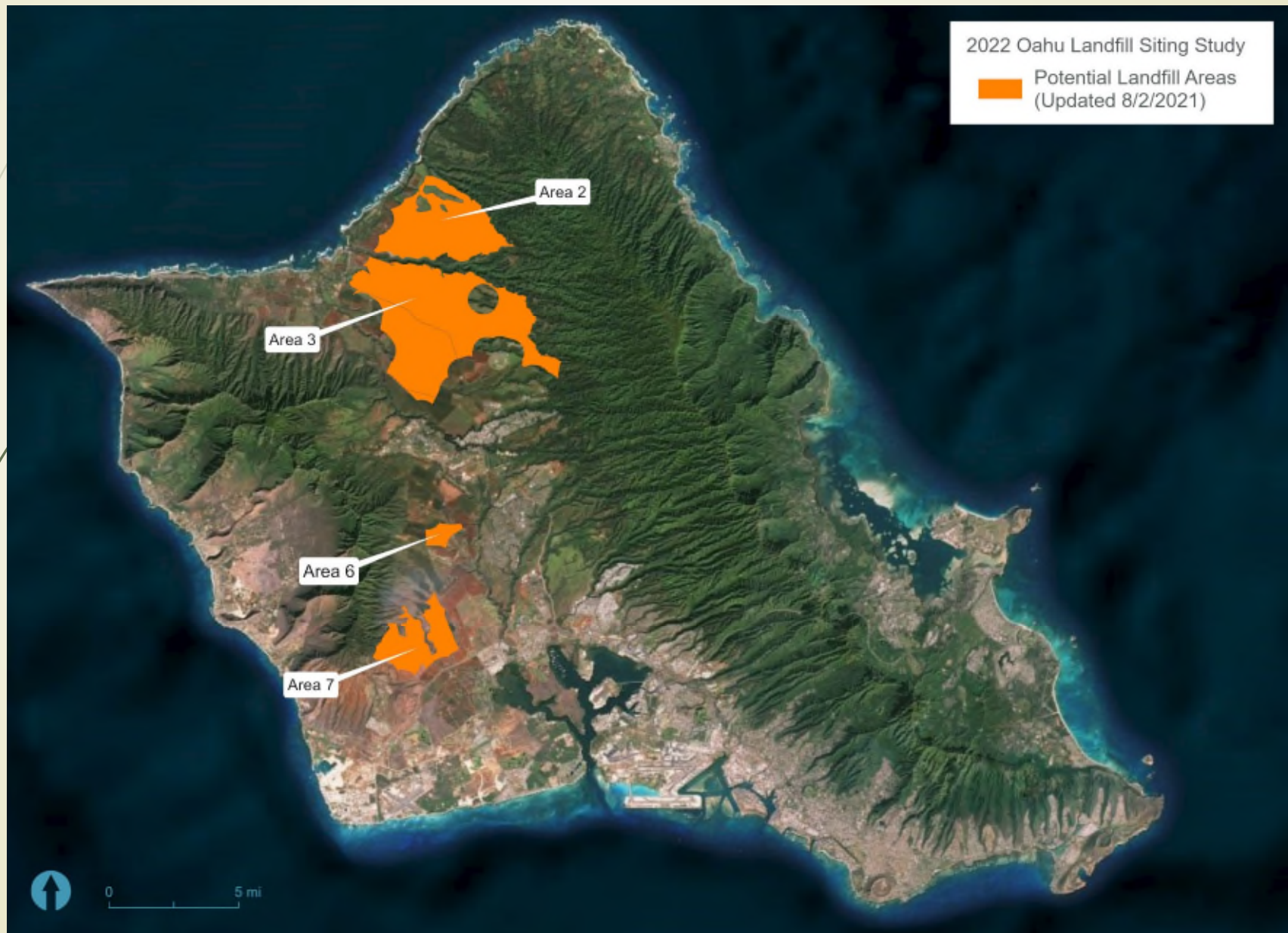
Landfill Advisory Committee (LAC)

- Membership selection underway
- 11 Invitees
- Rank specific parcels or groups of parcels
 - Weigh criteria
 - Score sites per criteria
- Ranking Report provided to Mayor
- Meetings Fall 2021 – Summer 2022

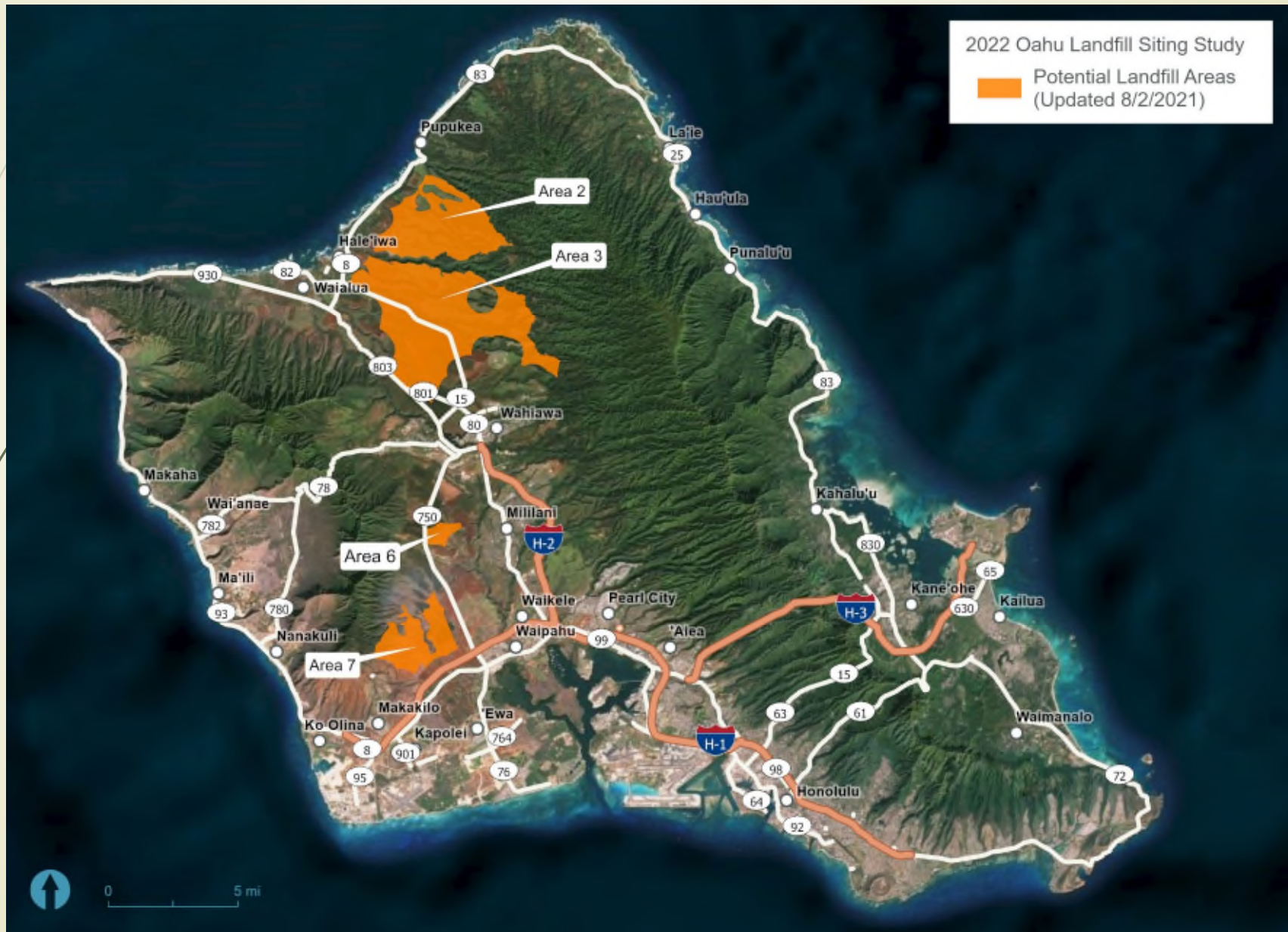
April 2021 Map



August 2021 Map 1



August 2021 Map 2



Public Information

- New Landfill Siting Website (Launching 8/27)
 - Interactive Map Tool
 - Resident Survey
 - Questions and Answers
- Social Media (Facebook, Twitter, etc.)
- Neighborhood Board Updates
- Press Releases
- Future Council Hearings

Interactive Map

- ▶ Interactive Map depicts the following restrictive layers:
 - ▶ 1/2 –Mile Residential, School, Hospital Buffer (per Act 73)
 - ▶ Conservation District Land (per Act 73)
 - ▶ Airport Buffer
 - ▶ Tsunami Evacuation Zone
 - ▶ Developed and Undevelopable Land
 - ▶ Federal Land
 - ▶ Waimānalo Gulch Sanitary Landfill
- ▶ White space is not restricted

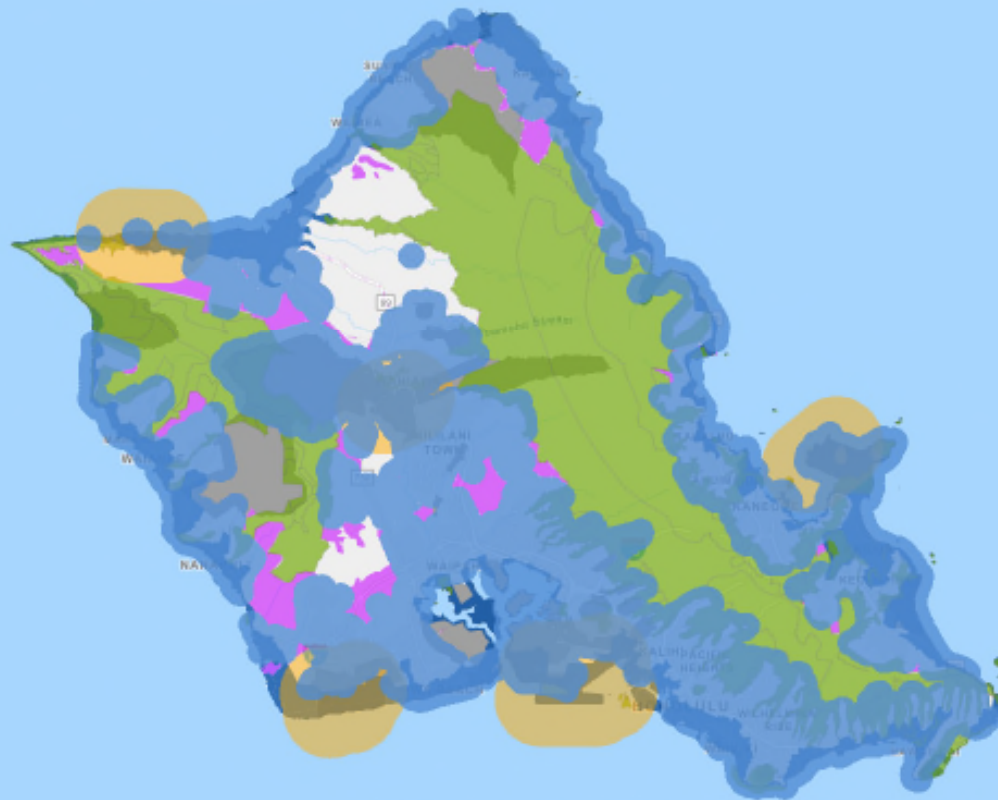
Interactive Map First Look

Landfill Siting Interactive Map

[Residential Restriction](#)[Conservation Restriction](#)[Airport Restriction](#)[Tsunami Zone Restriction](#)[Federal Lands](#)[Developed/Undevelopable Lands](#)[Current Landfill](#)[Combined Restrictions](#)

Combined Restrictions

- ½ Mile Residential/School/Hospital Buffer Restriction
- Conservation District Land Restriction
- Airport Buffer Restriction
- Tsunami Evacuation Zone Restriction
- Developed and Undevelopable Lands
- Federal Lands



LEGEND

½ Mile
Residential/School/Hospital
Buffer Restriction



Airport Buffer
Restrictions



Conservation District
Land Restriction



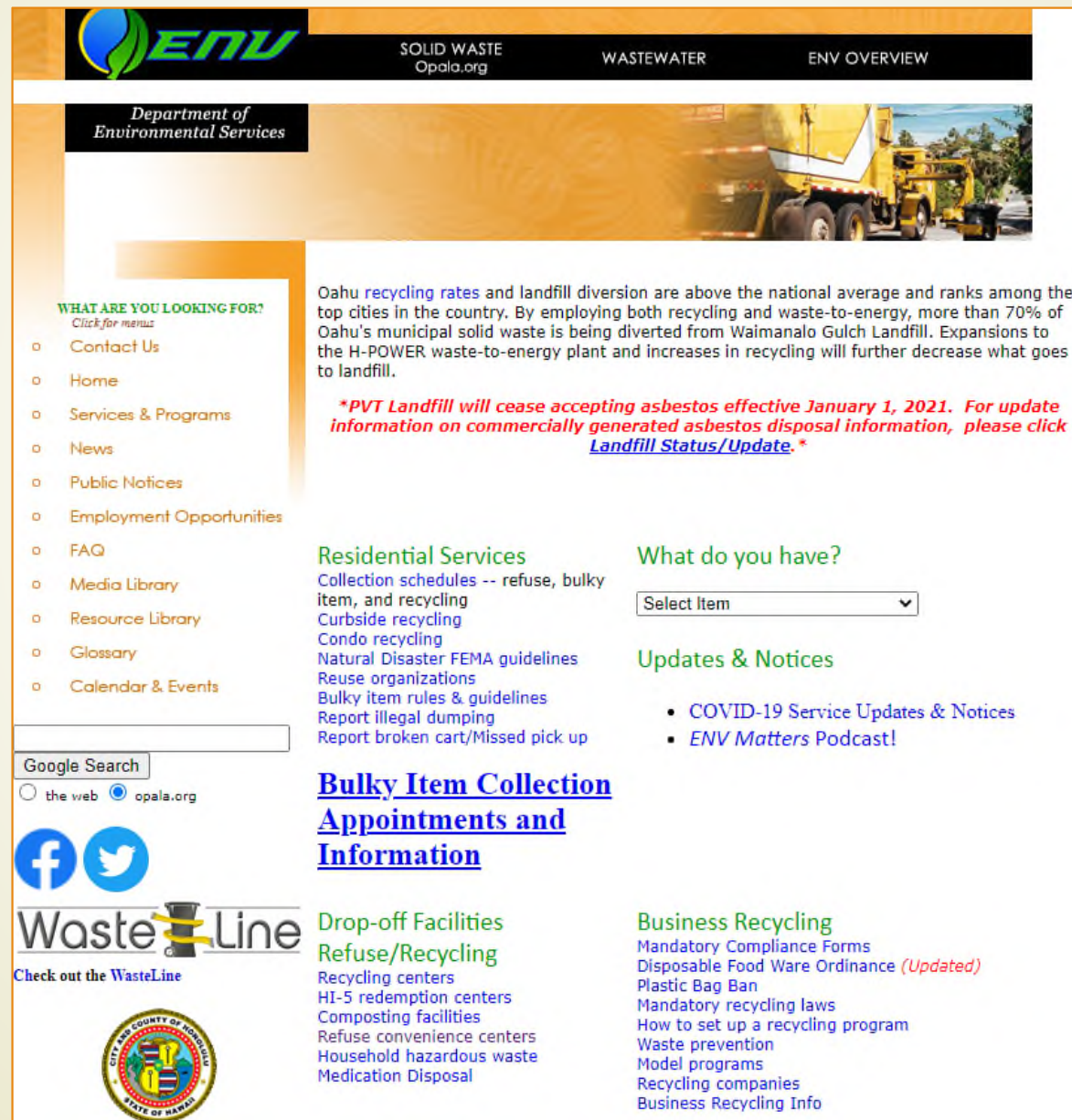
Tsunami Evacuation
Zone Restriction



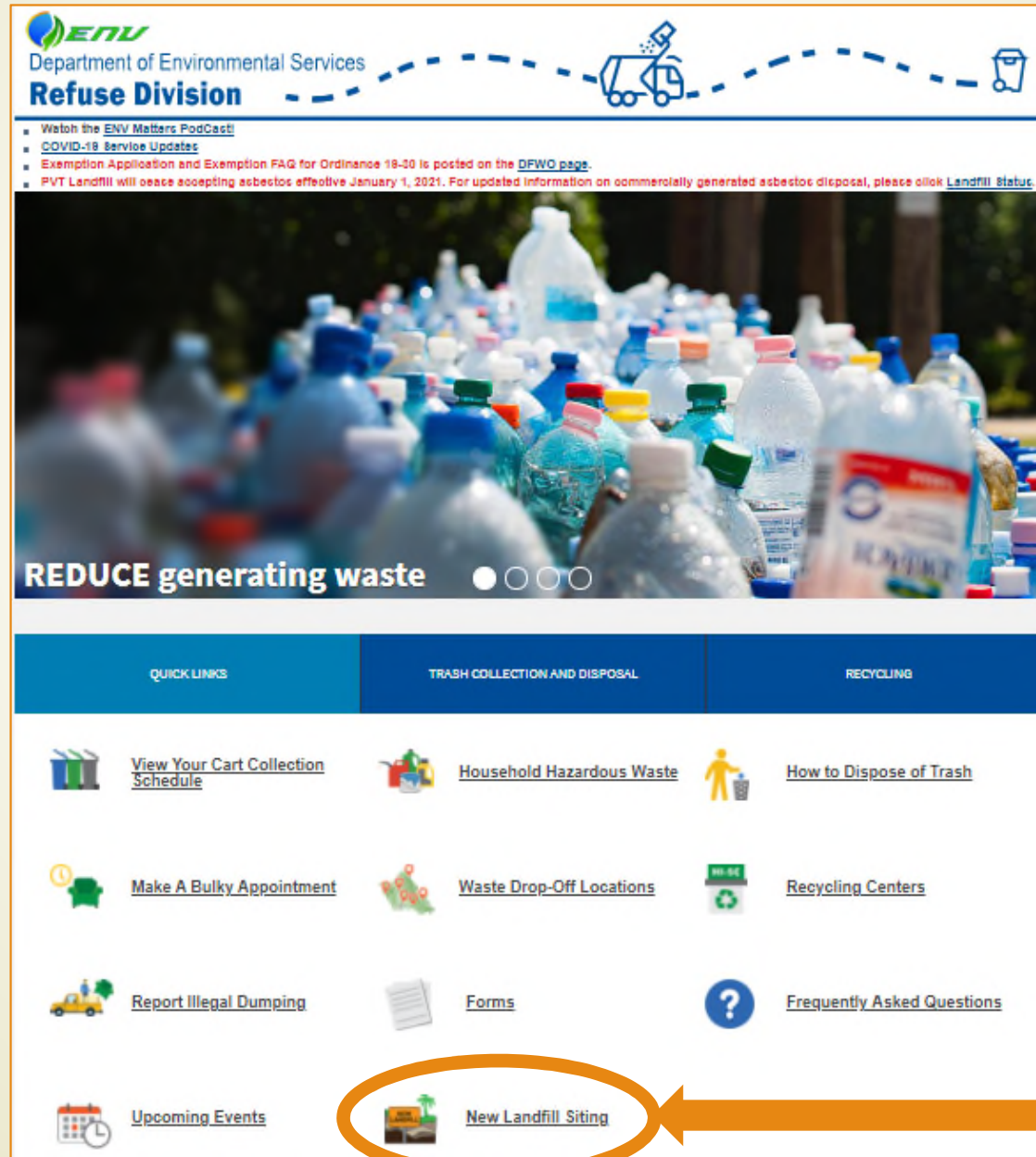
Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, USDA | Honolulu Land Information System (Holis), Department of and Permitting, CI...

powered by
esri

Old Website




New Website



[opala.org/
new-landfill-siting](https://opala.org/new-landfill-siting)

New Landfill Siting Website (Work in Progress)

13



Department of Environmental Services
Refuse Division

Watch the [ENV Matters Podcast!](#)

[COVID-19 Service Updates](#)

Exemption Application and Exemption FAQ for Ordinance 19-20 is posted on the [DFWD](#) page.


PVT Landfill will cease accepting asbestos effective January 1, 2021. For updated information on commercially generated asbestos disposal, please click [Landfill Status](#).

New Landfill Siting

TAKE OUR RESIDENT SURVEY TO PROVIDE INPUT FOR THE NEXT LANDFILL SITING!

The City and County of Honolulu ("City") Department of Environmental Services ("ENV") has begun identifying potential sites for its next municipal solid waste landfill and will be forming a Landfill Advisory Committee ("LAC") to evaluate and rank the selected sites. The ranking will be utilized by the Mayor and ENV to determine the next landfill location by December 31, 2022, pursuant to a decision and order of the Land Use Commission of the State of Hawaii.

This webpage, along with ENV's [Facebook](#) and [Twitter](#) accounts, will be updated with new information as the landfill siting process progresses. Like and follow us to get the latest updates!



Waimanalo Gulch Sanitary Landfill, circa 2000

Landfill Siting Interactive Map

The interactive map below shows the restrictions considered by ENV when identifying potential sites for the next landfill. When all restriction layers are activated, the uncolored areas show all areas within which the next landfill could be sited. Read details about each restriction by clicking the specific layer in the map or reading below.

Landfill Siting Interactive Map

Residential Restriction

Conservation Restriction

Airport Restriction

Tsunami Zone Restriction


Federal Lands

Combined Restrictions

- 1/2 Mile Residential Buffer Restriction
- Conservation District Land Restriction
- Airport Buffer Restriction
- Tsunami Evacuation Zone Restriction
- Developed and Undevelopable Lands
- Federal Lands

LEGEND

- 1/2 Mile Residential Buffer Restriction
- Airport Buffer Restrictions
- Conservation District Land Restriction
- Tsunami Evacuation Zone Restriction



Esri, HERE, Garmin, SafeGraph, FAO, METI/NASA, USGS, EPA | Honolulu Land Use Commission



Act 73 Restrictions

Act 73, which became law on September 15, 2020, states in part that:

1) No waste or disposal facility shall be located in a conservation district except in emergency circumstances where it may be necessary to mitigate significant risks to public safety and health; provided further that emergency circumstances shall not exceed three years.

and,

2) No person, including the State or any county, shall construct, modify or expand a waste or disposal facility including a municipal solid waste landfill unit, any component of a municipal solid waste landfill unit, a construction or demolition landfill unit, or any component of a construction and demolition landfill unit without first establishing a buffer zone of no less than one-half mile around the waste or disposal facility.

These restrictions are depicted in the green and blue layers, respectively. In consideration of the new restrictions imposed by Act 73, the results of all previous are being thoroughly re-evaluated.

Other Restrictions

- Airport Buffer** - State of Hawaii Solid Waste Management Rules require a buffer from a municipal solid waste disposal facility of 10,000 feet of any airport runway used by turbojet aircraft and 5,000 feet for piston-type aircraft.
- Tsunami Evacuation Zone** - State of Hawaii Solid Waste Management Guidelines discourage siting of a municipal solid waste disposal facility in possible tsunami inundation areas.
- Developed and Undevelopable Lands** - Land that has existing commercial, industrial, and other use, or land on which future development is planned. Other use development includes, but is not limited to, photovoltaic solar and wind farm renewable energy projects.
- Federal Lands** - Federal lands consist of United States Department of Defense managed land and other federally owned land that would limit use of the land from development of a municipal solid waste disposal facility.
- Waimanalo Gulch Sanitary Landfill ("WGSL")** - The City's current municipal solid waste landfill, which started operations in 1987. The site currently takes approximately 70,000 tons of special waste and municipal solid waste and 180,000 tons of ash and residue from H-POWER per year. Per the State of Hawaii Land Use Commission, a new landfill site must be named by December 31, 2022 and Waimanalo Gulch Sanitary Landfill must cease operations by March 2, 2028.

Landfill Advisory Committee

The Mayor is appointing a Landfill Advisory Committee to evaluate and rank potential landfill sites using a set of diverse criteria. The LAC will provide its ranking to the Mayor and ENV for consideration in selecting a new landfill site. The LAC will include members from different backgrounds (see right) from government, commercial, and non-governmental organizations.

LAC Meetings

The LAC is tentatively scheduled to meet six times. All meetings will be recorded and open to the public, in-person and virtually. Virtual meeting details will be posted on this webpage. LAC members will also participate in separate waste processing facility tours. Members of the public who attend LAC meetings will be allowed to provide comments during designated periods at the end of the meetings. The public may request waste processing facility tours by emailing newlandfill@honolulu.gov.

The exact dates of the meetings will be determined and meeting agendas are subject to change.

Specialties Under Consideration for the Landfill Advisory Committee

- Solid Waste Management
- Solid Waste Regulation
- Land Use/Permitting
- Drinking and Groundwater
- Environment/Sustainability
- Recycling and Reuse
- Engineering
- Construction
- Hawaiian Culture
- Archaeology
- Business and Economics
- Property Acquisition
- (not all inclusive)

Questions and Answers

Click on the questions below to see the answers. Any additional questions or comments about the landfill siting process may be sent to newlandfill@honolulu.gov.

General Questions

How much waste goes into the landfill?

What are some frequently used solid waste/landfill terms and acronyms?

Why do we need a landfill when we recycle and have H-POWER?

New Landfill Questions

Who will decide where the next landfill will be?

When will the public be able to engage in the new landfill process?

When will the Landfill Advisory Committee be meeting?

Waimanalo Gulch Sanitary Landfill Questions

Where is the City's current landfill?

What's going to happen to Waimanalo Gulch Sanitary Landfill when it closes?

What environmental safeguards are in place at Waimanalo Gulch Sanitary Landfill to protect the environment?

Resident Survey

- ▶ Link at top of New Landfill Siting Website
- ▶ Results will be presented to LAC
- ▶ 17 Questions
 - ▶ Existing landfill
 - ▶ Solid waste management
 - ▶ Input for new landfill siting
 - ▶ Location
 - ▶ Evaluation Criteria

Resident Survey First Look



C&C of Honolulu ENV Refuse Division Resident Landfill Survey

The purpose of this survey is to determine O'ahu Residents' knowledge of the current solid waste program and to obtain input for consideration during the siting process for the next landfill. The survey contains up to 17 questions and will take approximately 10 minutes to complete.

* Required

1

How did you hear about this survey? *

- ☐ Opala.org
- ☐ Social Media (Facebook, Twitter, etc.)
- ☐ The Bus Advertisement
- ☐ Word-of-mouth
- ☐ Other

Social Media

- ▶ Like us on Facebook @HNL.OPALA and follow us on Twitter @HNL_ENV
- ▶ Upcoming Post Topics:
 - ▶ Existing Landfill Facts
 - ▶ New Landfill Siting Progress
 - ▶ Recycling and Reuse

Other Public Information

- ▶ Neighborhood Board Updates for monthly summaries of progress
- ▶ Press Releases for major events, such as website launch, LAC start, site ranking, etc.
- ▶ Future Council Hearings to update on significant progress

Questions?

