


Timeline, Milestones, and Schedule of Tasks

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- ◆ August 23, 2024: Deadline to site a new landfill extended to December 31, 2024 by Land Use Commission
 - ◆ **September 18, 2024 : ENV third quarter update to Planning Commission**

Tasks: Completion of *O'ahu Landfill Siting Study Supplemental Technical Memorandum*. Continue evaluation of alternative sites: restrictions and obstacles, location, (size, distance, proximity), site characteristics, availability, costs, environmental, cultural, and socio-economic. Possibly make and announce selection.
 - ◆ November 2024 : ENV fourth quarter update to Planning Commission

Tasks: Continue evaluations, make decision, announce selection
 - ◆ December 31, 2024: Deadline to identify an alternative landfill site

Potential Sites Under Consideration/Considered

Site	Restrictions/Obstacles
Area 6, Site 1 – Wahiawā near Kunia Road*	No Pass Zone, well capture zone
Area 3, Site 1 – Wahiawā*	No Pass Zone, prime ag land
Area 3, Site 2 – Wahiawā*	No Pass Zone, prime ag land
Area 3, Site 3 – Wahiawā*	No Pass Zone, prime ag land
Area 2, Site 1 – Hale‘iwa near Kawailoa Road*	No Pass Zone, prime ag, remote West side location, Eliminated from consideration
Area on Waipi‘o Peninsula - City Soccer Complex**	Federal land, rejected, Eliminated from consideration
Area on West Loch Annex (Iroquois Point)**	Federal land, rejected, Eliminated from consideration

Note: All sites are restricted; modification of restrictions could allow for site suitability.

* Derived from the O‘ahu Landfill Study & Landfill Advisory Committee Recommendations final report. Found at <https://www8.honolulu.gov/env/ref/new-landfill-siting/>.

** Derived from the O‘ahu Landfill Siting Study Supplemental Technical Memorandum.

Potential Sites Under Consideration

Sites	Restrictions/Obstacles
Area near Waimānalo Country Farms**	Act 73: conservation & ¼ mi buffer
Area near University of Hawai‘i West O‘ahu campus and Farrington Highway**	Act 73: conservation & ¼ mi buffer
Pali Golf Course**	Act 73: conservation & ¼ mi buffer
HC&D South Quarry and Adjacent Area**	Act 73: conservation & ¼ mi buffer
HC&D North Quarry**	Act 73: conservation & no buffer
Waiāhole Forest Preserve and Farmland (Waiāhole Homestead Road)**	Act 73: conservation & no buffer
Area occupied by the Hawai‘i Youth Correctional Facility and Olomana School**	Act 73: conservation & no buffer
Area near Castle Junction and Pali Highway**	Act 73: conservation & no buffer
Royal Hawaiian Golf Club**	Act 73: conservation & no buffer
Hawai‘i Prince Golf Club**	Act 73: conservation & no buffer, flight path

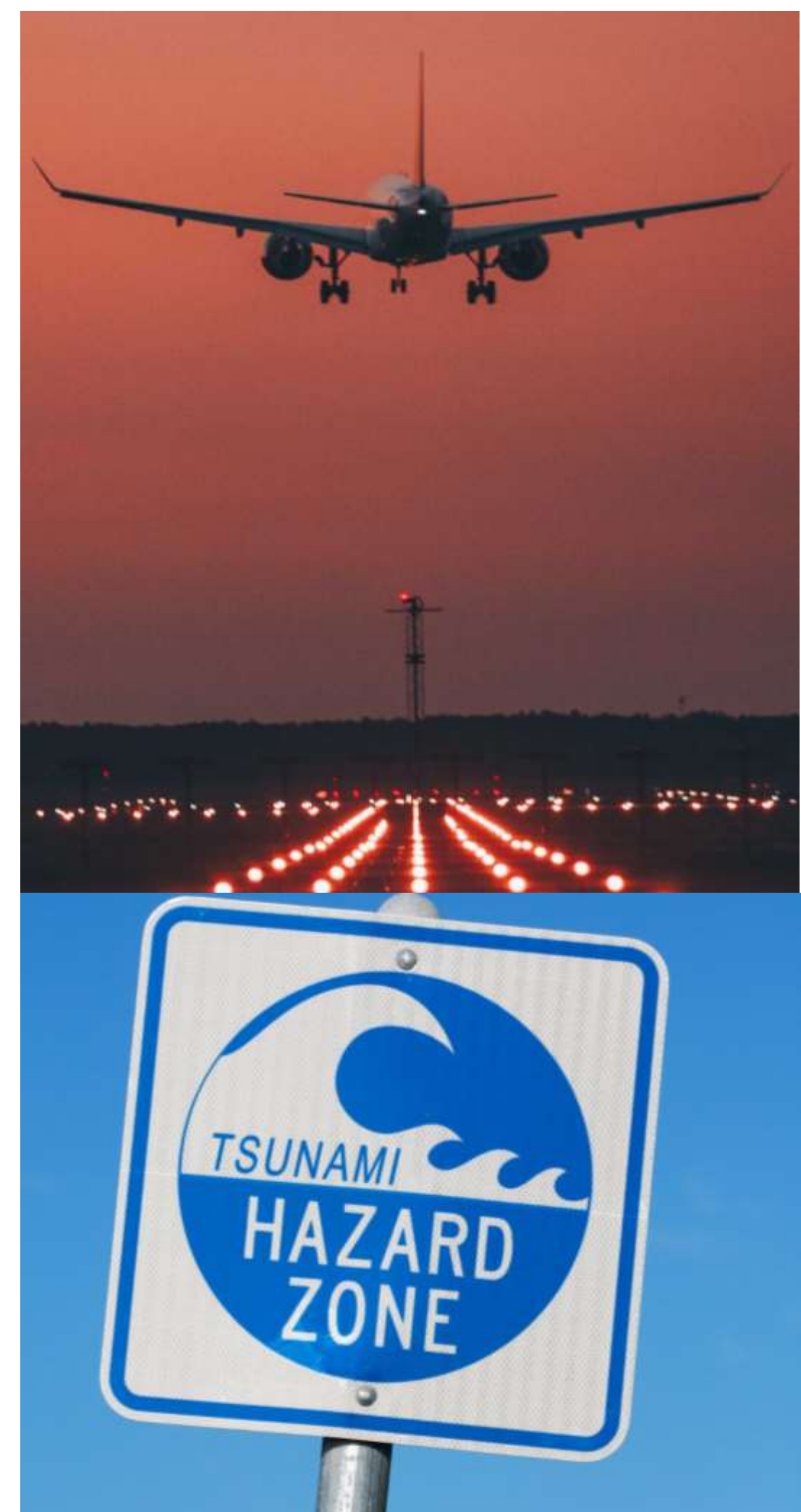
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List of Obstacles Affecting Ability to Choose a Site

- Federal regulations
 - Airport runway buffer zone
 - Wetlands
 - Floodplains
 - Fault areas
 - Seismic impact zone
 - Unstable areas
- Act 73 and other State regulations
 - One-half-mile buffer zone for residences, schools, hospitals
 - Conservation district
 - Tsunami zones
- Federal lands
- Developed & Undevelopable
- No Pass Zone



Investigation of Alternative Technologies for Landfill






Source: www.energy.gov; Modular Gasification Test Apparatus at the University of Alaska-Fairbanks

- Plasma arc
- Gasification
- Thermal depolymerization
- Multiphase microwave
- Microwave plasma
- Pyrolysis
- Shipping of waste off-island



MAHALO!

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Po‘o

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