

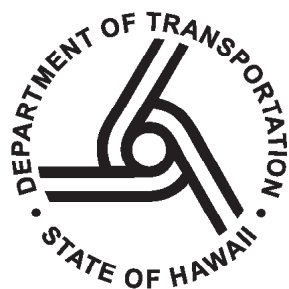


sustainable**HNL**

Annual Report for CY2023

Reporting sustainability progress at

Daniel K. Inouye International Airport





A MESSAGE FROM THE AIRPORT MANAGER

Aloha,

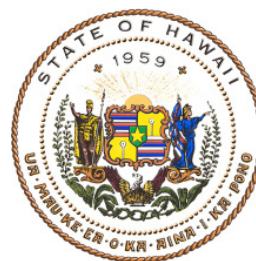
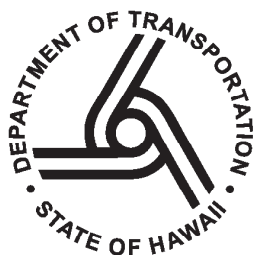
Our airport is committed to a sustainable future, and we're proud of the progress we've made. Despite the challenges of a growing passenger volume and local disruptions, we've maintained our focus on reducing our carbon footprint. We've achieved significant milestones, including maintaining our Airport Carbon Accreditation Level 2 for the eighth consecutive year, and diverting over 115 cubic yards of waste through our annual airport cleanup.

As we navigate a path towards a more sustainable future, we recognize the delicate balance between growth and environmental responsibility. Our ongoing renovations prioritize energy efficiency and waste reduction, while our investment in electric vehicle infrastructure demonstrates our commitment to cleaner transportation. We have continued to optimize operations, adding in more controls and monitoring capabilities into our climate control systems. Our Mauka Concourse design honors the unique cultural and natural resources of Hawaii, as shown in the cover page photo. This building has achieved LEED Gold Certification from the US Green Building Council and won the Sustainability Award for 2022 at the AIA Honolulu Awards.

As the State's flagship airport, we are aligned with the State's ambitious goal of a 50% reduction in carbon emissions by 2030 and carbon neutrality by 2045. To achieve this, we will continue to innovate and seek new opportunities to minimize our environmental impact.

Sincerely,

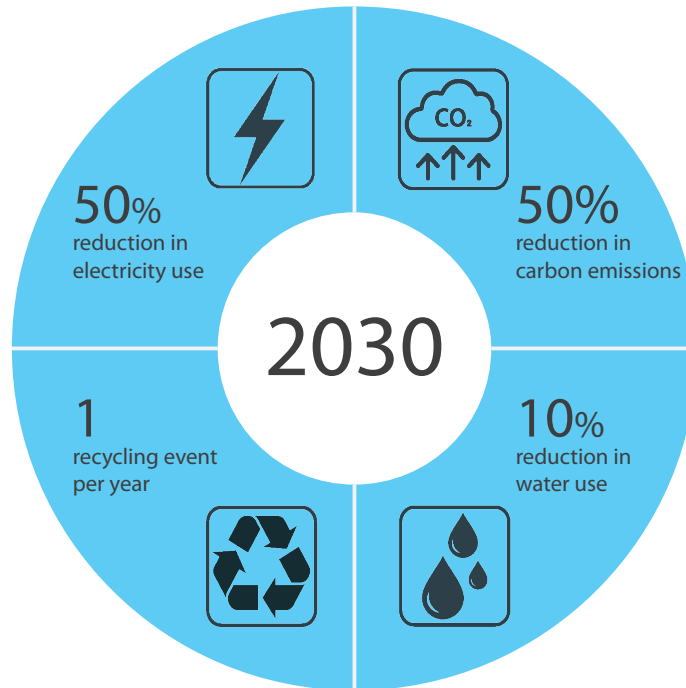
Malcom Smith
Oahu District Airports Manager
State of Hawai'i Department of Transportation



SUSTAINABILITY GOALS AND TARGETS

GOALS

➤ HNL is guided by the Sustainable Management Plan which set four high priority categories.



TARGETS

- The goals have specific targets for 2030 and are tracked on an annual basis.
- Waste reduction is difficult to measure, so we switched to annual cleanup events held.

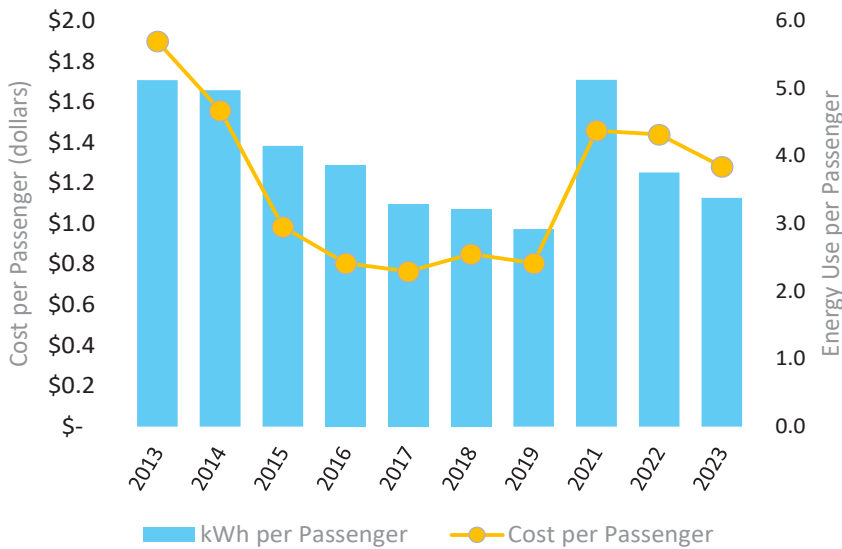
CATEGORY	INDICATOR	2030 TARGET	ANNUAL	PROGRESS
ENERGY	kWh / passenger	3.0	3.4	In Progress
CARBON	lbs. CO ² / passenger	9.5	4.5	Meeting Goal
WATER	gal. / passenger	19.8	16.8	Meeting Goal
WASTE	annual recycling events	1	1	Meeting Goal

SUSTAINABILITY HIGHLIGHTS



ENERGY

Energy Consumption per Passenger (2013-2023)



✈️ Even though there were more passengers, energy use and cost were down if we account for the fluctuation in passengers. Energy use per passenger has decreased **10%** since the prior year. And because of this, cost per passenger has decreased by **11%**.

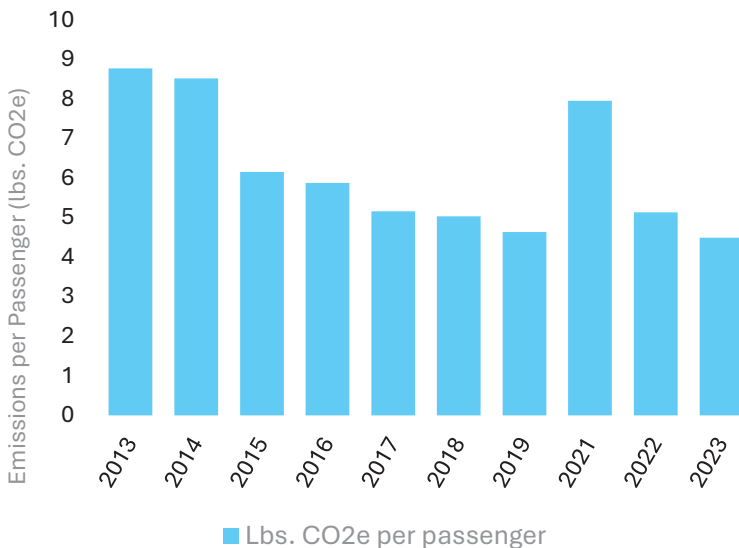
✈️ However, the overall cost of energy shot up **2%** since 2021 due to elevated utility rates, added EV charging, and building electricity demand.

✈️ On the sunny side, thousands of on-site solar PV panels offset **9.3 MWh** or 13% of HNL’s purchased electricity.



CARBON

Carbon Emissions per Passenger from Airport Owned Sources & Electricity (2013-2023)



✈️ We are currently achieving the Statewide 2030 reduction goal. The airport owned carbon emissions per passenger are down by **53%** from 2009 due to our ongoing energy savings and electric vehicles efforts. Compared to the previous year, airport owned carbon emissions per passenger decreased **13%**.

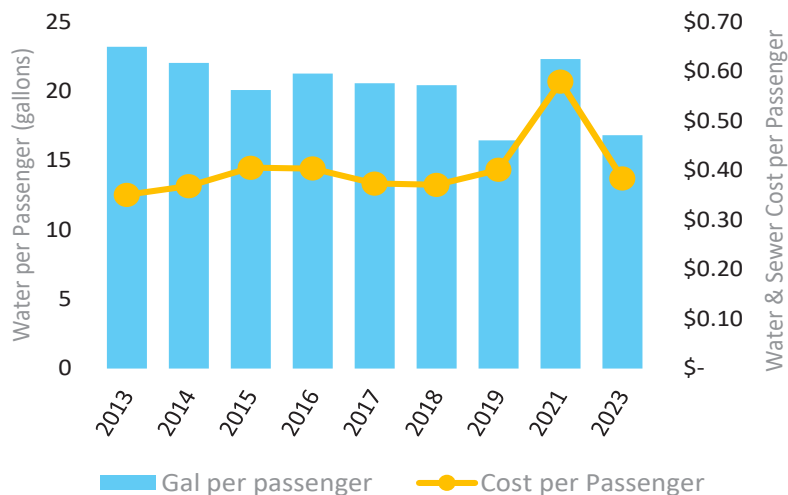
✈️ Added numerous low carbon infrastructure and assets thanks to an infrastructure as a service contract. Included were electric and hybrid vehicles, level 2 & 3 EV Chargers, energy systems, battery storage, and solar PV panels.

✈️ Received accreditation from the Airports Council International program **Airport Carbon Accreditation**, Level 2 Reduction.



WATER

Water Consumption and Cost per Passenger (2013-2023)



- For the second year in a row, the airport water use has decreased. Accounting for passenger growth we look at the cost per passenger which is down **6%** and use per passenger is down **4%**.
- The airport has added more efficient buildings and is seeing results of projects that improve controls of climate control systems.
- Overall water and sewer combined cost has gone up by **8%** from the previous year. This is due to rate increases since water use was the same as the previous year.



WASTE



- Coordinated one bulky item **Recycle Drive** in the Fall for tenants and state offices for a **95%** diversion from landfill:
 - Scrap Metal **30 Cubic Yards**
 - Incinerator **45 Cubic Yards**
 - Electrics recycled **15 Cubic Yards**
 - Appliances Recycled **13 units**

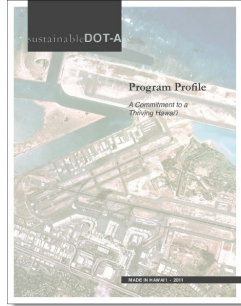


RESOURCES

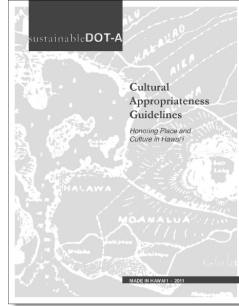
GUIDING DOCUMENTS



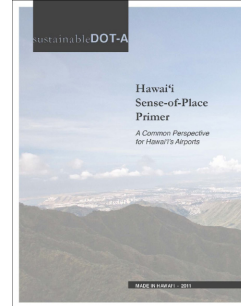
HNL Sustainable Management Plan



Sustainable DOT-A Program Profile



Cultural Appropriateness Guidelines (CAG)



Hawai'i Sense-of-Place Primer (HSPP)



Sustainable High-Performance Guideline (SHPG)



RELATED SOURCES

Sustainable HNL:

<http://airports.hawaii.gov/hnl/airport-info/sustainablehnl/>

Sustainable DOT:

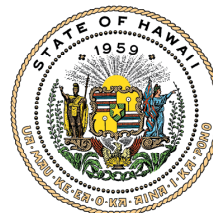
<https://hidot.hawaii.gov/airports/doing-business/engineering/sustainabledota/>

The Hawaii Aloha + Challenge:

<https://alohachallenge.hawaii.gov/>

Sustainable Hawaii Initiative:

<https://planning.hawaii.gov/sustainability>



Created in partnership between the Department of Transportation and
the KYA Inc.

STATE OF HAWAII

2024

printed on recycled content paper