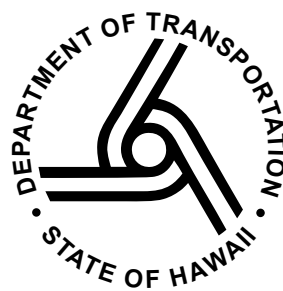




# sustainable**HNL**

## Annual Report 2015

*Reporting sustainability progress at  
Honolulu International Airport.*



# A MESSAGE FROM THE AIRPORT MANAGER

*Aloha!*

HNL's airport-wide sustainability initiative, known as Sustainable HNL (sHNL) is led by the Oahu District Airport Manager and supported by the diverse and dynamic HNL Sustainability Committee. The Committee collaborated with our partner KYA Sustainability Studio to accomplish several noteworthy sustainability goals in 2015:

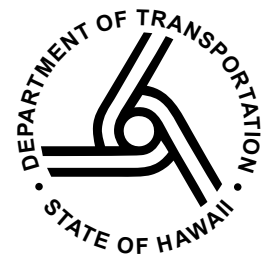
- Completed HNL's 2014 Elements Baseline Update, which helped us understand the airport's existing sustainability performance and identify opportunities for improvement.
- Reduced airport-wide energy consumption by 26% per passenger (measured in kWh) between 2009 and 2015. The energy savings were due in large part to an energy savings performance contract with Johnson Controls Inc., which included efficiency upgrades to HVAC and lighting systems, along with the installation of over 4,200 solar photovoltaic panels.
- Became the first airport in Hawaii and the 10th in North America to receive accreditation from the Airport Carbon Accreditation program run by Airports Council International. HNL achieved Level 1 accreditation (Mapping) by determining emissions sources within the operational boundary of the airport.

HNL's sustainability goals are published on our website and we stand committed to address them. As we change our operations, I want to thank all staff for the team work and cooperation to move HNL into the future.

Sincerely,



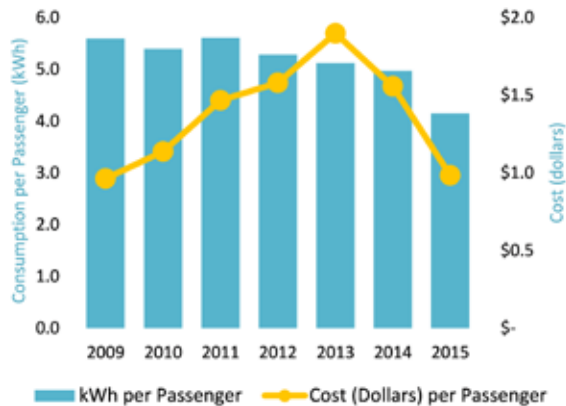
Roy K. Sakata  
Oahu District Airport Manager  
State of Hawai'i Department of Transportation



# SUSTAINABILITY HIGHLIGHTS



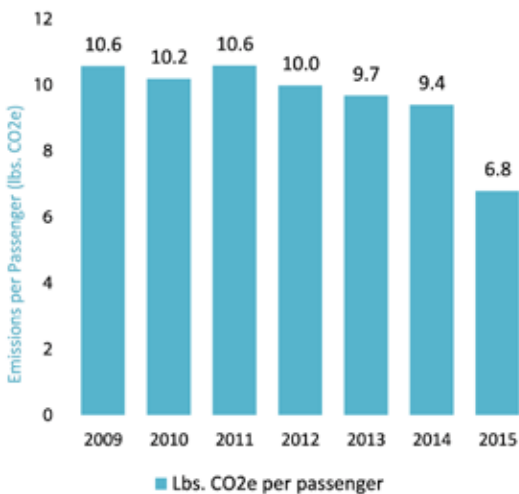
## ENERGY



- Installed solar photovoltaic panels on the central concourse and interisland terminal.
- Decreased energy consumption by 17% from the previous year due to various renewable energy, conservation, and efficiency projects.
- Reduced energy costs by 37% as a result of market forces and the aforementioned energy savings measures.



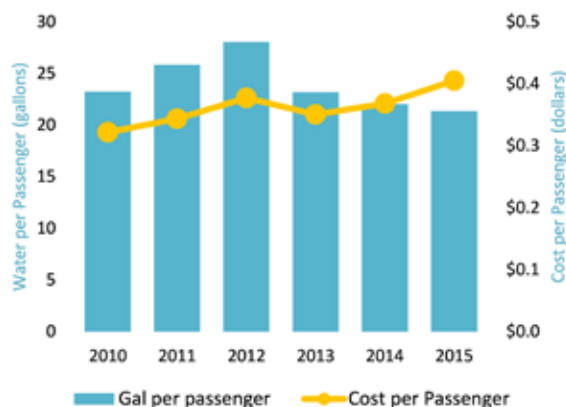
## CARBON



- Reduced airport-generated carbon emissions by 27% from 2014 - 2015.
- Reduced vehicle fuel consumption through vehicle repairs.
- Received worldwide recognition via Airport Carbon Accreditation (ACA) for efforts to map and reduce emissions. Launched by Airports Council International, the ACA program has a goal of carbon neutrality at airports across the globe. More info can be found at [airportco2.org](http://airportco2.org).



## WATER



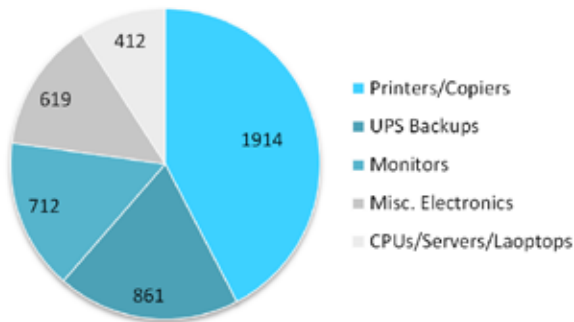
- Reduced potable water consumption by 8% in 2015 due to water efficiency measures, construction and renovations.
- Water utility costs increased due to rate increases for potable water and sewer services.
- HNL continued to use non-potable water for gardens, landscapes, turf grasses, containers, and water features.

# SUSTAINABILITY HIGHLIGHTS



## WASTE

E-Waste Collected, by type (lbs)



- Coordinated an electronic-waste recycling drive for tenants. Collected 4,515 lbs of e-waste.
- Coordinated bulky item recycling drive for tenants. Collected 208 vehicle tires and 90 cubic yards of bulky items. Bulky items included furniture and fixtures, appliances, office equipment, mixed paper, and pallets.



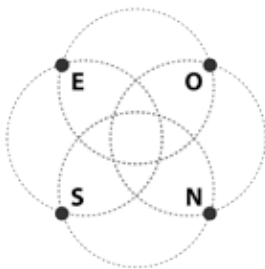
## STORM WATER



Participated in the annual Department of Transportation storm water training event, the Protect Our Water Conference. Training sessions focused on construction BMPs, regulation, technologies and techniques for reducing the downstream impacts of storm water in the environment.



## DAY-TO-DAY OPERATIONS



Economic viability  
Operational efficiency  
Natural resource conservation  
Social responsibility

Started work on the Federal Aviation Administration (FAA)-funded Sustainable Management Plan (SMP). The goal is to incorporate sustainability holistically into airport planning and operations using the EONS framework. This is accomplished by identifying goals and objectives, prioritizing initiatives, and implementing initiatives and policies. The SMP has brought together DOT-A stakeholders and was published in 2016.



# SUSTAINABLE DOT-A GUIDING RESOURCES



Sustainable Management Plan



Sustainable DOT-A Program Profile



Cultural Appropriateness Guidelines (CAG)



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



Sustainable High Performance Guideline (SHPG)



## ADDITIONAL RESOURCES

- Sustainable HNL: <http://tinyurl.com/susHNL>
- Sustainable DOT-A: <http://tinyurl.com/susDOTA>
- FAA Sustainability Master Plans: <http://tinyurl.com/FAA-SMP>
- The Aloha + Challenge: <http://tinyurl.com/alohachallenge>
- Sustainable Hawaii Initiative: <http://tinyurl.com/guv9p8x>
- Hawaii Clean Energy Initiative: <http://tinyurl.com/HIclean-energy>



sustainable**DOT-A**



Created in partnership between the Department of Transportation-Airports Division and the KYA Sustainability Studio.

STATE OF HAWAII  
2016

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