Aloha!

The Daniel K. Inouye International Airport sustainability initiative, known as Sustainable HNL (sHNL) is led by the Oahu Airports District Manager and supported by the diverse and dynamic HNL Sustainability Committee. The Committee accomplished several noteworthy sustainability measures in 2018:

- Reduced airport-wide energy consumption by 10% per passenger (measured in kWh) from 2017. From 2015 to 2018, the airport reduced electricity costs by 41%, which have saved millions of dollars on electricity bills.
- Savings primarily due to an energy savings performance contract with Johnson Controls Inc, using lighting upgrades, solar panels, HVAC upgrades, and building automation.
  - Phase 2 of the Energy Savings Performance Contract started in 2017, with more solar panels and lighting upgrades expected to save millions of dollars for the airport.
- Compiled a greenhouse gas emissions inventory for HNL, and received Airport Carbon Accreditation from the Airports Council International.
- Achieved Level 2 Accreditation (Reduction) by reducing the emissions from airport controlled operations within the operational boundary of the airport by 5% from 2017.
- We held four airport cleanup events; two FOD Walks and two Recycle Drives. The FOD Walk event sends volunteers onto the Airport Operations Area to pickup debris and contribute to airport safety. After the cleanup they recieve donated food and sponsored raffle prizes.

We have been making big and small improvements to the airport with the goal of sustainability guiding the decisions. We want to be able to sustain our way of doing business without compromising the ability of future generations to conduct airport business.

Sincerely,

Roy K. Sakata
Oahu Airports District Manager
State of Hawai‘i Department of Transportation
SUSTAINABILITY GOALS AND TARGETS

GOALS

HNL is guided by the Sustainable Management Plan which set goals for 4 priority categories.

TARGETS

The goals have specific targets for 2020 and are tracked on an annual basis.

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>INDICATOR</th>
<th>BASE LINE</th>
<th>2020 TARGET</th>
<th>ANNUAL</th>
<th>PROGRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENERGY</td>
<td>kWh / passenger</td>
<td>5.0</td>
<td>4.5</td>
<td>3.2</td>
<td>Exceeding</td>
</tr>
<tr>
<td>CARBON</td>
<td>lbs. CO₂ / passenger</td>
<td>10.6</td>
<td>9.5</td>
<td>5.8</td>
<td>Exceeding</td>
</tr>
<tr>
<td>WATER</td>
<td>gal. / passenger</td>
<td>22.0</td>
<td>19.8</td>
<td>20.4</td>
<td>In Progress</td>
</tr>
<tr>
<td>WASTE</td>
<td>waste diversion rate</td>
<td>0.9%</td>
<td>4%</td>
<td>1.0%</td>
<td>In Progress</td>
</tr>
</tbody>
</table>
SUSTAINABILITY HIGHLIGHTS

ENERGY

The chart to the left overlaps energy consumption with cost for comparison. It shows how energy use (blue & orange bars) and energy costs (yellow) have decreased since 2014. The orange bars show the years since energy savings began.

Decreased energy consumption by 11% from 2017 due to various renewable energy, conservation, and efficiency projects completed in 2015.

Thousands of on-site solar PV panels generated 2.4% of HNLs electricity needs in 2018.

Energy bills went up by 10% from 2017 as a result of increasing utility energy prices.

More lighting and solar panels are now underway and expected to be completed in 2019.

CARBON

Reduced airport-generated carbon emissions by 5% from 2017 due to energy savings projects.

Purchased 1,623 gallons of biodiesel for shuttles.

Received worldwide recognition via Airport Carbon Accreditation renewing at Level 2. A third party verified process was undertaken to document efforts to account for and reduce carbon dioxide emissions from airport managed operations. Launched by Airports Council International, the program info can be found at airportco2.org.
WATER

The chart on the left overlaps water consumption and cost for comparison. It shows how water costs (yellow) have not gone down because water use (blue) has stayed the same since 2014.

WASTE

Coordinated two Airport-Wide Foreign Object Debris (FOD) Walks, in the Spring and Fall.
- 2,209 lbs. of trash on the AOA cleaned up
- 400 total volunteers

Coordinated bulky item recycling drive for tenants and state offices for a 64% diversion from landfill:
- E-Waste 12,221 lbs.
- Scrap Metal 40,000 lbs.
- Incinerator 28,000 lbs.

The airport recycled about 720 cubic yards of aluminum cans and plastic bottles from terminals in 2018.

2018 HNL Sustainability Report
RESOURCES

GUIDING DOCUMENTS

Sustainable DOT-A Program Profile
Cultural Appropriateness Guidelines (CAG)
Hawaii Sense-of-Place Primer (HSPP)
Sustainable High Performance Guideline (SHPG)

REFERENCES

Sustainable HNL: http://airports.hawaii.gov/hnl/airport-info/sustainablehnl/
Sustainable DOT-Airports: http://tinyurl.com/susDOTA
Federal Aviation Administration Sustainability Plans: https://www.faa.gov/airports/environmental/sustainability/
The Hawaii Aloha + Challenge: https://dashboard.hawaii.gov/aloha-challenge
Hawaii Clean Energy Initiative: http://www.hawaiicleanenergyinitiative.org/
Hawaii Storm Water Airport Tenant Training Video: https://www.youtube.com/watch?v=YSE54E2cUIE