

SUSTAINABLE MANAGEMENT PLAN

2020 GOALS



ENERGY

- Reduce energy by 10% by 2020



CARBON

- DOT-A emission at or below 2009 levels by 2020
- Establish an alternative fuel strategy by 2020



WATER

- Reduce potable water consumption by 10% by 2020
- Increase water reclamation by 2020



WASTE

- Reduce waste generation by 4% by 2020
- Increase the recycling rate to 4% by 2020



STORM WATER

- Minimize downstream impacts

Honolulu International Airport (HNL) serves as the international gateway for the Pacific Region and plays a vital role in Hawai'i's local community. HNL has a vision to become a world leader in airport sustainability and to instill a sense of pride among customers, employees, industry, and the community.

SUSTAINABLE HNL PROGRAM

Developing and fostering a sustainable culture

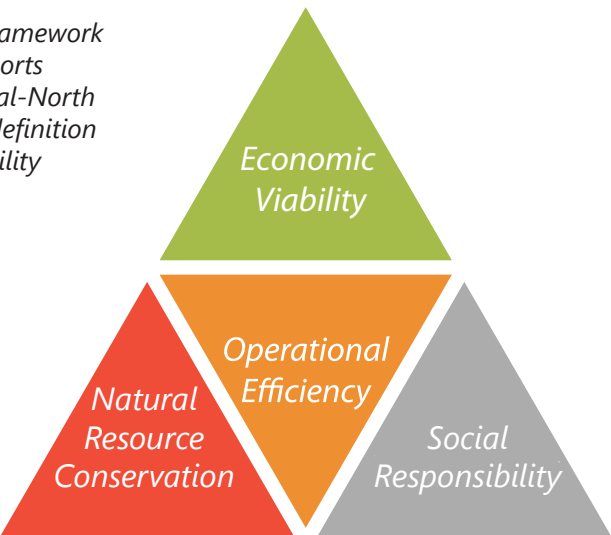
Sustainable HNL (sHNL) is an airport-wide initiative dedicated to promoting sustainability across HNL and Hawaii. Hawaii's Department of Transportation-Airport Division (DOT-A) established the sHNL program in 2011, in accordance with the Sustainable Aviation Guidance Alliance (SAGA) recommendations for airport management. The program is led by the dynamic HNL Sustainability Committee (HNL-SC), made up of an interdisciplinary team of DOT-A stakeholders.

Starting in 2016, sHNL will provide a unified platform that is built around common high-level goals and initiatives rooted in sustainable best practices, in a way that is publicly recognized, measured, and rewarded. These practices translate into:

- Improved capital asset life cycle & operating costs
- Better design
- Increased competitiveness & productivity
- Better customer service & satisfaction
- More effective use of resources
- Elimination of waste
- Optimized technologies
- Enhanced relationships with customers and staff

sHNL is committed to managing the airport to ensure economic viability, operational efficiency, natural resource conservation, and social responsibility (EONS).

Figure 1. "EONS" Framework consistent with Airports Council International-North America (ACI-NA) definition of airport sustainability



PLANNING FOR A SUSTAINABLE HNL

"Sustainability is... preserving our natural resources so future generations can experience our lifestyle of Hawaii today."

--HNL Sustainability Committee

The leadership demonstrated by the DOT-A and its sHNL program has earned HNL a space in the Federal Aviation Administration (FAA) Sustainability Master Plan Pilot Program. In 2014, the DOT-A received a FAA grant to create a Sustainable Management Plan that incorporates sustainability into airport planning using the EONS framework. The DOT-A aims to unite all ongoing and future sustainability initiatives under the SMP.



Figure 2. HNL Sustainable Management Plan Process

1. Perform benchmark
2. Refine focus areas, goals, objectives, targets, and metrics
3. Identify sustainability initiatives
4. Define implementation plan
5. Implement SMP and initiatives
6. Monitor and evaluate progress of SMP for continuous improvement

SUSTAINABLE MANAGEMENT AT HNL

The goal of the SMP is to leverage design, construction, operations, and maintenance dollars through proven business practices, goals, and initiatives in order to pay benefits to the customers, employees, industry and local community.

The SMP uses a baseline assessment of natural resources to identify sustainability goals, objectives, and initiatives that will reduce environmental impacts, realize economic benefits, and improve community relations.

The SMP provides the framework for a management plan rooted in the best practices of sustainability. Through the SMP, HNL aligns with the State and local goals, policies, and initiatives by conducting a comprehensive analysis of how and where sustainability management is to be implemented in long-term planning.

LONG-TERM FOCUS AREAS



FINANCE



DAY-TO-DAY OPERATIONS



DESIGN & CONSTRUCTION



GROUND TRANSPORT



CLIMATE RESILIENCY



COMMUNITY



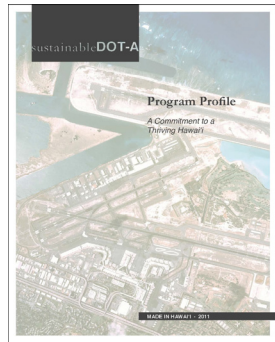
FOOD & BEVERAGE



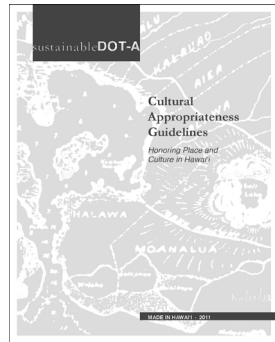
SOCIOCULTURAL

sustainable**DOT-A**

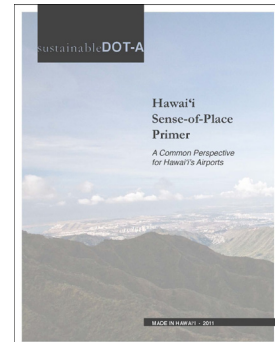
SUSTAINABLE DOT-A GUIDING RESOURCES



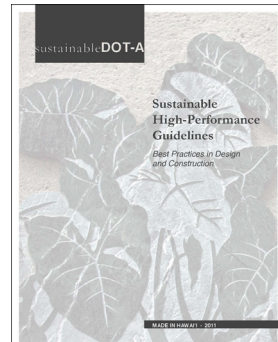
Sustainable DOT-A
Program Profile



Cultural Appropriateness
Guidelines (CAG)



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



Sustainable High
Performance Guideline
(SHPG)



ADDITIONAL RESOURCES

Sustainable HNL: <http://tinyurl.com/susHNL>

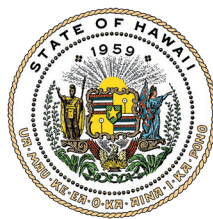
Sustainable DOT-A: <http://tinyurl.com/susDOTA>

FAA Sustainability Master Plans: <http://tinyurl.com/FAA-SMP>

The Aloha + Challenge: <http://tinyurl.com/alohachallenge>

Hawaii 2050 Sustainability Plan: <http://hawaii2050.org/>

Hawaii Clean Energy Initiative: <http://tinyurl.com/HIclean-energy>



kya sustainability studio
catalysts for collaboration

sustainable**DOT-A**

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

STATE OF HAWAII
2016

printed on recycled paper

sustainable**HNL**
Sustainable Management Plan
*A flight plan for the DOT-A
flagship airport*



MADE IN HAWAII' • 2016