HAWAIʻI GREEN GROWTH
LOCAL2030 HUB

Aloha+ Dashboard
Hawaiʻi Conference of Planning Officials – October 2020
Aloha+ Challenge
Hawaiʻi’s Statewide Sustainability Commitment

The Global Goals
For Sustainable Development

Office of Hawaiian Affairs
Sustainable Development Goals

1. No Poverty
2. Zero Hunger
3. Good Health and Well-being
4. Quality Education
5. Gender Equality
6. Clean Water and Sanitation
7. Affordable and Clean Energy
8. Decent Work and Economic Growth
9. Industry, Innovation and Infrastructure
10. Reduced Inequalities
11. Sustainable Cities and Communities
12. Responsible Consumption and Production
13. Climate Action
14. Life Below Water
15. Life on Land
16. Peace, Justice and Strong Institutions
17. Partnerships for the Goals
LOCAL 2030
LOCAL HUBS FOR SUSTAINABILITY SOLUTIONS
Global Goals, Local Action
Declaration of Commitment to Sustainability for Hawai‘i

WHEREAS, Hawai‘i and islands around the world are vulnerable to the effects of climate change, import dependency and biodiversity loss; and

WHEREAS, island communities face challenges in housing affordability, community resilience and economic growth along with an increasing number of natural disasters, making sustainability practices more essential; and

WHEREAS, Hawai‘i is among a number of islands that are emerging as global leaders with integrated solutions to these challenges that can be scaled to advance the global sustainability agenda; and

WHEREAS, Hawai‘i launched the Ailina‘u Challenge: He Nānana ‘I Mele in 2014 as a statewide sustainability commitment and adopted State Government Resolution 012 (2014) to support our shared economic, social, and environmental goals, building on Hawai‘i’s culture and island values; and

WHEREAS, the Ailina‘u Challenge is Hawai‘i’s local framework to achieve the United Nation Sustainable Development Goals and Paris Climate Agreement adopted by world leaders in 2015; and

WHEREAS, the United Nations recognized Hawai‘i as one of the world’s first Local2030 hubs as a model for the collective state-wide leadership on the Ailina‘u Challenge and collaboration with the Global Island Partnership to scale island sustainability models; and

WHEREAS, the Hawai‘i Green Growth (HGG) islands hub works with public, private, and civic partners to accelerate and scale island-level solutions to achieve the United Nations Sustainable Development Goals; and

WHEREAS, Hawai‘i’s own Ailina‘u, Millenials and their peers continue to make the campaign of “Nānana ‘I Mele” to care for our Island Earth, engaging worldwide communities to practice living sustainably; and

WHEREAS, the five-year anniversary of Hawai‘i’s Ailina‘u Challenge demonstrates the critical importance of local leadership and action to achieve global goals;

NOW, THEREFORE, the Hawai‘i State Legislature, by virtue of this legislative act, recognizes and applauds the work of the Hawai‘i Ailina‘u Challenge toward achieving sustainability for Hawai‘i and its islands, and hereby expresses its support for the continuation of the Ailina‘u Challenge in its efforts to build sustainability in Hawai‘i and work with others and our community stakeholders on global issues.

Done at the State Capitol in Honolulu, Hawai‘i the eighteenth day of April, 2019.

[Signatures]
Aloha+ Dashboard

Multi-year statewide convening process to co-develop Aloha+ Challenge and Dashboard targets, metrics and indicators
**Aloha+ 2020 Benchmark Report: Hawai‘i Voluntary Local Review**

**EXECUTIVE SUMMARY**

**Aloha+ Challenge 2020 Benchmark Report:** Hawai‘i’s Voluntary Local Review of Progress on the Sustainable Development Goals

**AT A GLANCE**

1. **RENEWABLE ENERGY - ON TRACK:** Hawai‘i’s goal of 100% Renewable Portfolio Standard (RPS) for the electricity sector by 2045 is on track, with a statewide average of 29.7% RPS in the electricity sector as of April 2020.

2. **ENERGY EFFICIENCY - ON TRACK:** Hawai‘i’s target to meet the Energy Efficiency Standard for 430,000 gigawatt-hours (GWh) of electricity savings by 2030 is on track, and surpassed the 2015 benchmark for energy efficiency by 50%.

3. **CLEAN TRANSPORTATION - IMPROVEMENT NEEDED:** Not currently on track to meet the 2030 clean transportation goal to reduce petroleum usage to 163 million gallons per year, and used approximately 511 million gallons per year as of 2018.

4. **LOCAL FOOD PRODUCTION - IMPROVEMENT NEEDED:** Production of most crops has not increased as a part of the local food production initiative.

5. **WASTE DIVERSION - ON TRACK:** 50.12% of solid waste was diverted from landfills, not including waste-to-energy, as of 2018 towards the 70% goal by 2030.

6. **WATERSHED PROTECTION - HEARTBEAT:** Of the 55% of watersheds protected in the state, 15% (19.5% of 140,000 acres) of watersheds are at the highest risk.

7. **FARMS AND PRODUCERS - UPWARD TREND:** There was a 4% increase in the number of farms and producers from 2012 to 2017 indicating a growth in small farms. There are currently over 7,000 farms and producers.

8. **HEALTH, NUTRITION, AND ACCESS - IMPROVEMENT NEEDED:** In 2019, 11.2% of households in Hawai‘i were food insecure, and 17.4% of children experienced food insecurity.

9. **SOURCE REDUCTION - NEEDS IMPROVEMENT:** While limited data is available due to difficulties quantifying waste prevention or imports, efforts are needed to be identified to measure the priority strategy for waste reduction.

10. **AFFORDABLE HOUSING - IMPROVEMENT NEEDED:** Residences in all counties on average spend more than 30% of their income on housing and transportation costs combined. The total developed 9,333 affordable housing units statewide since 2003, with a target to develop 6,571 new units by 2030, which impacts from COVID-19 on the affordable housing inventory and future housing developments will need to be assessed.

11. **UNEMPLOYMENT - IMPROVEMENT NEEDED:** Unemployment rates rose sharply as a result of the COVID-19 pandemic, rising from a low of 2.4% in March 2020 to a high of 24.8% in May 2020 with on-going fluctuations.

12. **WORKFORCE DEVELOPMENT - IMPROVEMENT NEEDED:** 44% of Hawai‘i residents struggle to afford basic necessities despite holding a job, and 69% of those employed in Hawai‘i in 2018 held multiple jobs, compared to 5.8% across the United States.

13. **EDUCATIONAL ATTAINMENT - UPWARD TREND:** 54% of adults (25 years old and older) held at least a high school diploma and 35.4% have at least a bachelor’s degree.

14. **EQUITABLE ACCESS - UPWARD TREND:** In 2018, 81% of youth (14-24 years old) were attending school or employed, up from 9% in 2015 and 20%. In 2020, 81%.

15. **A BARTERED EDUCATION - UPWARD TREND:** While there is no compulsory number for the many bars that have initiatives across Hawai‘i, the DOH’s HNAP program that 14% of students in the 2017-2018 academic year participated.

16. **SUSTAINABLE TOURISM - IMPROVEMENT NEEDED:** 67 businesses certified as sustainable eco-tourism businesses as of January 2020, which is an upward trend, better metrics and more data are needed to measure sustainable tourism.

**AT A GLANCE KEY:** Available data indicate where Hawai‘i is on track, needs improvement, and the trend if an agreed target is still under development.
The Aloha+ Challenge is a statewide public-private commitment to achieve Hawai‘i’s social, economic, and environmental goals by 2030.

Launched in 2014, the Aloha+ Challenge identifies six priority goals and local metrics that are delivering against the global United Nations Sustainable Development Goals (SDGs). The Hawai‘i Green Growth Local 2030 Hub and partners are catalyzing island-led solutions to drive concrete action. Visit the Aloha+ Dashboard to see statewide progress and benchmark data on the Aloha+ SDGs and Hawai‘i’s contribution to the global goals.
Aloha+ Challenge 2020 Benchmark Report:
Hawai'i's Voluntary Local Review Of Progress on the Sustainable Development Goals

Hawai'i's first statewide Voluntary Local Review assesses progress to date and provides 2020 benchmark data to inform decision-making, including on economic recovery, through the Aloha+ Challenge - Hawai'i's framework to achieve the UN Sustainable Development Goals.

Download Executive Summary

Business Leadership on ESG in Hawai'i

Hawai'i's Businesses are leaders in implementing the Aloha+ Challenge by changing everyday practices that impact the workplace, employees, corporate buying power, and the communities they are a part of. Many businesses are using Environmental, Social and Corporate Governance (ESG) to guide business practices and deliver on Hawai'i's SDGs.

Explore Dashboard

Get Involved & Take Action!

Hawai'i Island Aloha+ Challenge
Kaua'i Aloha+ Challenge
Maui County Aloha+ Challenge
O'ahu Aloha+ Challenge
### Aloha+ Challenge
**Clean Energy Transformation**
70% clean energy - 40% from renewable sources and 30% from efficiency, with a view towards 100% renewable energy by 2045

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electricity: Renewable/Efficiency</td>
<td>29.79% ON TRACK</td>
</tr>
<tr>
<td>Average Fuel Use Per Person Annually</td>
<td>$2,638.2 MEASURING</td>
</tr>
<tr>
<td>Statewide Net Greenhouse Gas Emissions</td>
<td>9.23 ON TRACK</td>
</tr>
</tbody>
</table>

#### Total Energy Use
| Thousand Barrels of Oil Consumed in 2017 | 42,800 *NEAR TARGET* |

#### Transportation
| Million Gallons of Petroleum Used for Ground Transportation in 2017 | 516 NEEDS IMPROVEMENT |

#### Business Sector Energy Efficiency
| Percent Reduction in Energy Use in the Business Sector in 2018 | 11.8% MEASURING |

---

#### Hawaii Renewable Portfolio Standards (RPS) by Utility/County

#### Hawaii Renewable Energy Generation by Source

#### Hawaii Renewable Energy Generation by Utility/County

---

#### Energy Efficiency

**Energy Efficiency Portfolio Savings**
Aggregate energy savings from energy efficiency measures achieved during the 1st 12 months after implementation.

**Energy Star Buildings in Hawaii**

---

*Figure 6: Hawaii’s energy efficiency goals, known as the Energy Efficiency Portfolio Standard (EEPS), were established in Act 135 in 2004. The EEPS set a 10% reduction goal (5% each in usage, comfort, and load) for Hawaiian Electric Interisland, Hawaii Electric Light, and Maui Energy. In 2015, the standard was increased to 15%. For the first time, the EEPS covers all categories of electricity service - on-grid, off-grid, and distributed. The EEPS measures will be audited after 2014, and the 2015 savings will be audited after 2017. Paper Energy Star buildings, which are available to buildings meeting the ENERGY STAR安居标准 across the Hawaiian Islands.*
County Aloha+ Household Dashboards

Local action on the ALOHA+ SDGS by residents, families, schools and students
Community Action, Stories & Data

School & Community Efforts Contributing to Aloha+ Goals

Surfrider Kauai's beach cleanups have the highest collection numbers in the nation. Due to ocean currents and other factors, Kauai received much of the fishing nets and debris from the North Pacific Gyre.

Zoom in or click on a beach in the map or

Total Pounds of Trash & Plastic 35,253.8 Collected in 2017

2017 2016

Beach Clean Up × 2,296 Participants

Total Clean Ups 61 in 2016 and 2017

Select a Beach

Anahola Beach Park

Nanakuli Beach Park

Composition by Weight

- Pounds of Trash 18.8%
- Pounds of Food 2.28%
- Pounds of Plastic 12.86%

Pounds of Trash & Plastic Collected by Beach (2016-2017)

Diverting Food Waste

Windward Zero Waste School Hui is a collaborative effort between a non-profit organization, schools and community on the Windward side of O‘ahu to capture food waste from school lunches and turn it into compost. Hawai‘i Green Growth has partnered with Windward Zero Waste School Hui to feature food waste diversion efforts on an interactive mobile-friendly web application for students, teachers, and community to utilize. These efforts contribute to the Aloha+ Solid Waste goal for Total Waste Reduction in Honolulu City & County and the State.

mālama ‘āina:
Stories Behind the Data

photo credit: Windward Zero Waste School Hui
The Aloha+ Challenge is a statewide public-private commitment to achieve Hawai‘i’s social, economic, and environmental goals by 2030.

Launched in 2014, the Aloha+ Challenge identifies six priority goals and local metrics that are delivering against the global United Nations Sustainable Development Goals (SDGs). The Hawai‘i Green Growth Local 2030 Hub and partners are catalyzing island-specific solutions to drive concrete action. Visit the Aloha+ Dashboard to see statewide progress and benchmark data on the Aloha+ SDGs and Hawai‘i’s contribution to the global goals.

**Aloha+ Challenge Local Food Production and Consumption**

- **Local Foods Production**: 104,635,130 Pounds of Food (Production in 2018)
- **Labor & Land Resources**: 1,100,000 Acres of Farm Land in Use in 2019
- **Processing**: 10 Metric Tons of Agricultural Products Processed in 2018
- **Distribution**: 90 Farmers Markets Statewide in 2018
- **Consumption**: $578,595,000 Dollars of Agricultural Products Sold in 2016

We, the Hawai‘i State Senate are dedicated to the protection and sustainability of our people, communities, natural resources, and economic prosperity. To this end, we are committed to advancing the 17 United Nations Sustainable Development Goals as a framework to achieve a prosperous and sustainable Hawai‘i.

Hawai‘i has established itself as a global leader in addressing sustainability and resilience challenges. The Senate prioritization of the Aloha+ Challenge and the 17 Sustainable Development Goals has led to policy changes while fostering partnerships between government and organizations including the Hawai‘i Green Growth United Nations Local 2030 Hub and the Hawai‘i Community Foundation’s CHANGE Framework, to promote and enhance a coherent statewide policy for sustainable development. We will continue to work with these partners and the public to improve our communities.
Mahalo nui loa!
Visit the Aloha+ Dashboard: https://alohachallenge.hawaii.gov/
Contact Hawaiʻi Green Growth Local2030 Hub at info@hawaiigreengrowth.org or breanna@hawaiigreengrowth.org