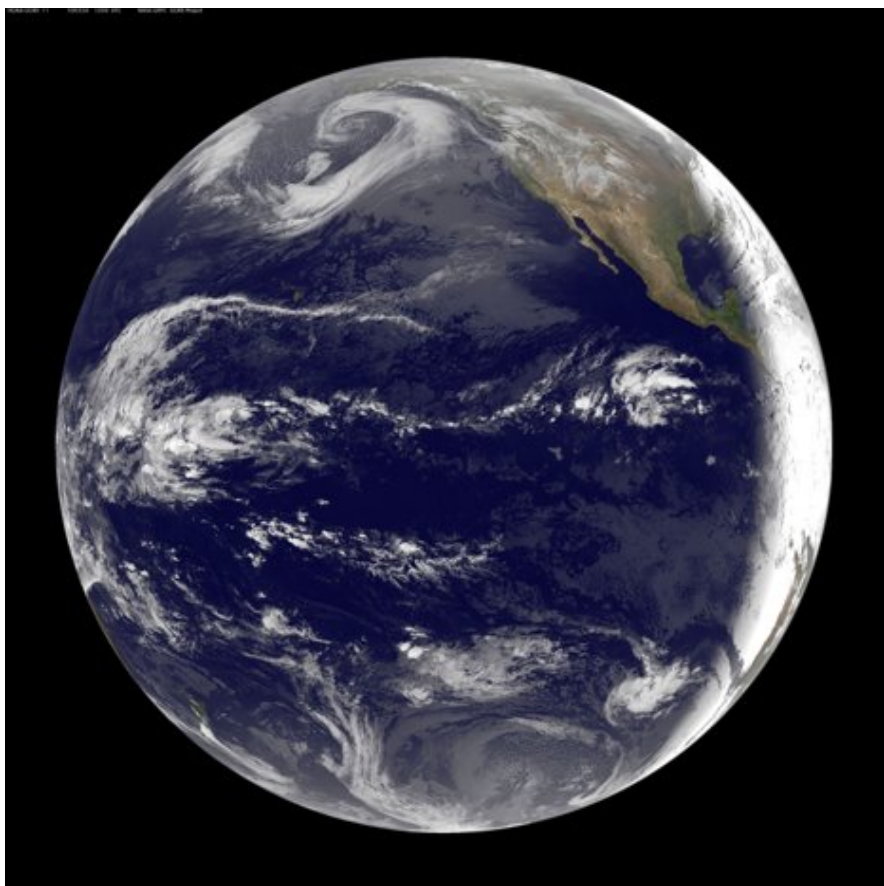




**HAWAII**  
**GREEN**

**BUSINESS**  
**PROGRAM**



# GBENN Summit

September 10, 2021

Gail Suzuki-Jones  
EERE Buildings Program Manager



**HAWAII STATE**  
**Energy Office**

# HSEO's mission

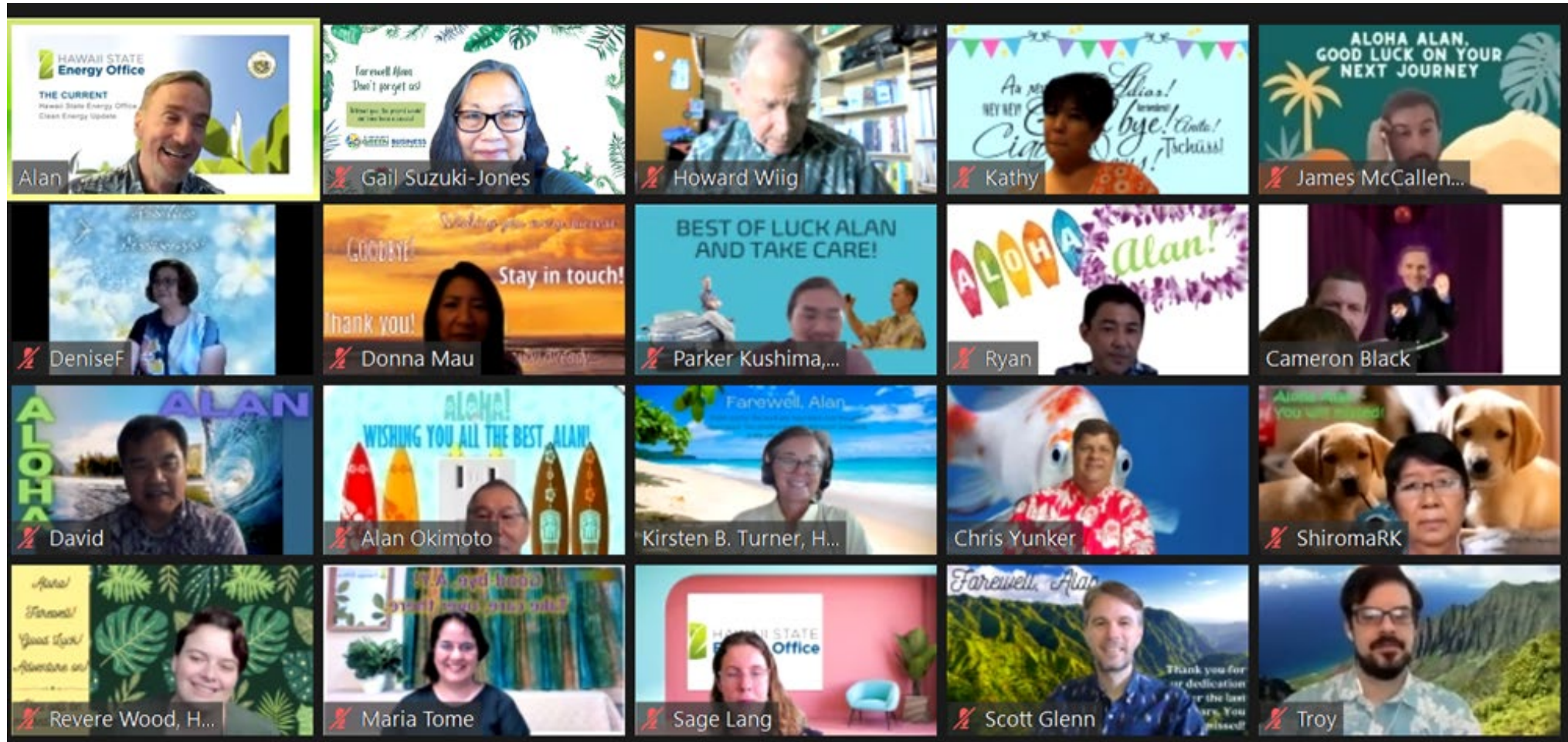
To promote  
energy efficiency,  
renewable energy,  
and clean transportation to  
help achieve a resilient  
decarbonized economy.



# Priorities

1. Energy Assurance and Resiliency
2. Renewable Energy Deployment
3. Energy Efficiency
4. Clean Transportation
5. Community and Stakeholder Engagement
6. Data Analytics

# Hawaii State Energy Office



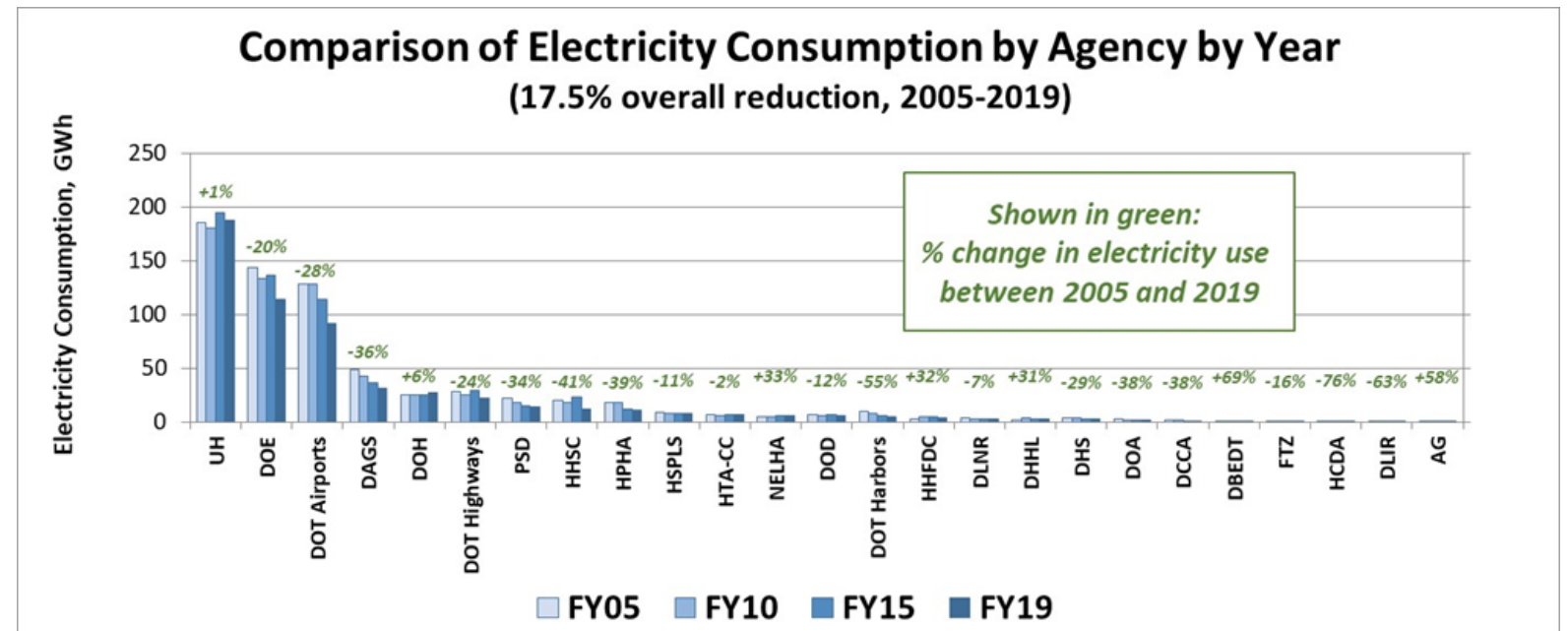
# Climate Change and Clean Energy goals

- EEPS (4300 GWh energy use reduction) by 2030 and RPS (70% by 2030 and 100% RE consumption by 2045)
- NZE use goal for DOEducation and UH system to produce as much as they consume by 2035.
- Zero emission clean economy target - carbon negative target, no later than 2045.



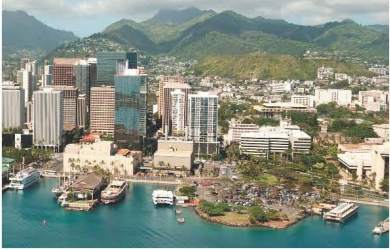
# Hawai'i Energy Efficiency for State Buildings

- \$1.2 billion will be saved in electricity costs over the life of the contracts
- The State of Hawai'i reduced its electricity use by 17.5% since 2005
- Energy Efficiency in State Buildings Goal - 25% energy use reduction by 2025



Don't miss these **FREE** webinars!

## ENERGY CODE UPDATE - 2018 IECC WITH HAWAII AMENDMENTS



An update to the building energy code has been adopted by the State Building Code Council, moving Hawaii from the 2015 IECC to the 2018 IECC. Get a head start on planning for these updates by attending these webinars, which will provide an overview of code requirements with emphasis on the Hawaii amendments and updated requirements. Architects, engineers, project managers, county planning & permitting staff, developers and contractors are encouraged to attend.

### Low-rise residential requirements

Wed. May 12 | 12pm - 1:30pm

[Click here to register](#)

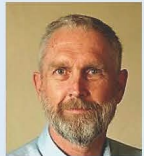
### Commercial & high-rise residential requirements

Wed. May 19 | 12pm - 1:30pm

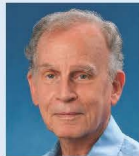
[Click here to register](#)

Each webinar  
qualifies for  
AIA/CES LUs (H  
AIA Honolulu  
the registered  
provider.

### Presenters:



**Erik Kolderup, P.E.**, energy efficiency and energy code specialist who has been instrumental in creating Hawaii's energy codes since 1994.



**Howard Wiig**, Energy Analyst with the State Energy Office and Chair of the State Building Code Council

If you require an auxiliary aid/service or another accommodation due to a disability, contact Kathy Yim at (808) 460-7995 or [kathy.yim@hawaii.gov](mailto:kathy.yim@hawaii.gov) by May 5. Requests received after the deadline are not guaranteed to be accommodated.

For more information contact:  
Howard Wiig, State Energy Office  
(808) 590-9555 or [howard.c.wiig@hawaii.gov](mailto:howard.c.wiig@hawaii.gov)

Related resources:  
[View the 2018 IECC online](#)  
[Download the State amendments](#)

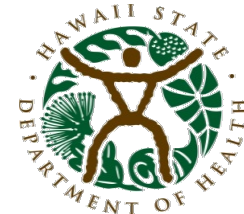
# Hawaii Energy Code & SBCC

- Updated IECC projected to save ratepayers ~ \$1.4 billion by 2040.
- Energy Code Training for engineering, design & construction professionals
- SBCC mission is to unify, to the extent practicable, state and county building codes.
- HSEO is chair of the Hawai'i State Building Code Council
- DEC. 2021 Training – NZE and 2018 IECC FAQs
- JAN. 2022 – 2021 IECC Working Group

# Hawaii Green Business



- **What** – Program recognizes businesses that go beyond compliance to green their facilities. HGBP certifies hotels, restaurants, offices, retail stores, grocery stores, venues and events
- **Why** – Receive technical assistance, realize savings, and promotion for efforts
- **Where** – <http://greenbusiness.hawaii.gov/>
- **How** – Complete checklist / site visit / agree to mentor
- **When** – Recognition Ceremony – Dec. 2022
- **Who** – Partners – HSEO, DOH, BWS, & HLTA Engineers Advisory Council +



# Hawaii Green Business + Partners



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- Hawaii State Energy Office
- DOH Office of Solid and Hazardous Waste
- C&C - Board of Water Supply
- Hawaii Energy
- Hawaii Lodging and Tourism Association
  - Hawaii Hotel Engineers Advisory Council
- BYU-H, HPU, UH Manoa and Community Colleges
- USGBC Hawaii and AIA Honolulu
- COCH, BOMA Hawaii, and APA Hawaii
- Surfrider Foundation and KUPU/RISE
- Hawaii Tourism Authority
- US DOE and US EPA – SEP and P2



**HAWAII STATE  
Energy Office**



# 2019-2020 HGBP Awardees



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1. Alohilani Resort Waikiki
2. The Cliffs at Princeville
3. The Equus Hotel
4. Hale Koa Hotel
5. Hyatt Centric Waikiki Beach
6. Hyatt Regency Maui Resort
7. The Kahala Hotel and Resort
8. Marriott's Maui Ocean Club
9. Outrigger Reef Waikiki Beach
10. The Ritz Carlton, Kapalua
11. Hawaii Convention Center
12. Waialae Country Club



# Recent 2019-2020 HGBP Awardees



1. Hawaii Pacific University, Aloha Tower Marketplace
2. Honolulu Board of Water Supply
3. Pier 9 by Sam Choy

## Green Events

1. Blue Zones Project Worksite Wellbeing Conference
2. Fall Tourism Update, Hilton Waikoloa Village
3. Forest Bathing Hawai'i
4. Kauai Dept. of Water 16th Annual "Make A Splash" Festival
5. Sony Open



# 2019-2020 HGBP Awardees



## Metrics for 12 Businesses:

Resource	Amount Reduced
Solid Waste Reduced	18,780 pounds
Energy Reduced	2,233,406 kwh
Water Reduced	91,588,880 gallons
Metric Tons of CO2 Emissions Reduced	1,660.34 MTCO2 e



# Hawaii Green Business Program

- Over 100 businesses, organizations and events recognized since 2004
- Saved over 2.2 million kWh and 91.6 million gallons of water (2019-2020 ceremony awardees)
- Partnership with Hawai'i Department of Health, the Honolulu Board of Water Supply, and the Hawai'i Lodging and Tourism Association

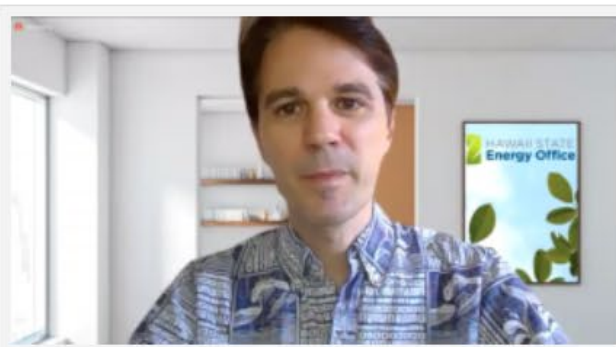


# 2020 Hawaii Green Business Program Award Ceremony





Gov. David Ige



Chief Energy Officer Scott Glenn



**We Initiated an Employee Garden Project**  
THE GREEN TEAM  
CONTAINER-GARDENS PROJECT

**PLANTING and HARVESTING MOOI TEAMS SIGN-UP**

**We Hosted Two Tree Planting Events**

**KOAI'A TREE PLANTING**

**Increasing Sustainability Awareness**

**OUR EARTH OUR RESPONSIBILITY**



# Strategic Communications, Outreach & Engagement

- Communications Enhancement
  - Website upgrade
  - Interactive
  - Dashboards
  - Project Maps
- Community and Business Engagement
  - Online & in-person
  - Community Workshops/Site Visits
  - Education and training/Forums



# HGBP - Green Hotel Forum and Webinar

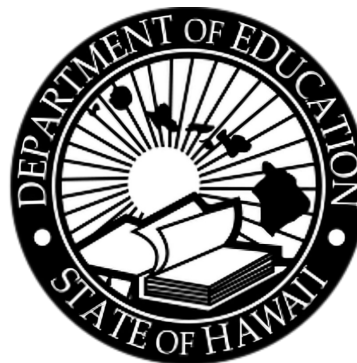
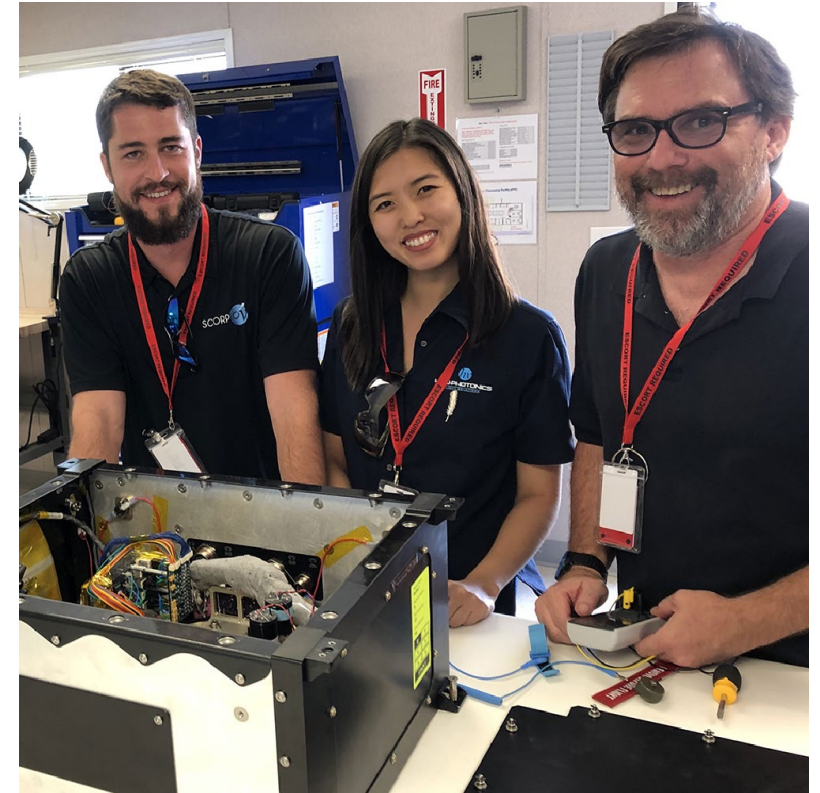
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# Energy Education Program Partnership Program

- Clean Energy Teacher Training
  - Online & in-person
  - 200 teachers
- K-12 Classroom Curricula
  - 4,500 students
  - Focus on Title 1 schools
  - Toolkits for each classroom

Teachers and students as clean energy ambassadors



# Workforce Development

- Working w/project developers to identify skills gaps and labor constraints
- Working w/Universities, Community Colleges, Chamber of Commerce, and others, such as SEDAC to provide training opportunities
- Applying for federal funding for energy education and training programs
- Provide information about new energy technologies to:
  - Government Officials
  - Architect, Engineers, Designers
  - Installers
  - Building Owners & Operators
  - Investors



**AmeriCorps VISTA-Climate  
Ready Hawaii Partnership  
With HI Climate Change  
Commission w/ DLNR, DOH,  
& the State Office of Planning**



- HSEO VISTA Team:
  - Strengthening relationships between communities and energy industry stakeholders
  - Increasing education about Hawai'i's energy transition
  - Decreasing energy cost burden for vulnerable communities
  - Coordinating statewide Transportation Equity Hui and mobility hub initiatives

# Climate-ready VISTAs

LIVE STREAM

CHANNELS

SURVEYS

BLOGS

HOSTS-GUESTS

STUDIO

OUTREACH

TEAM

CONTACT



# Mahalo

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[Gail.Suzuki-jones@hawaii.gov](mailto:Gail.Suzuki-jones@hawaii.gov)

