

2019

Hawai'i Annual Code Challenge (HACC)

To foster community resilience while building on the foundation set forth in the Aloha+ Challenge's sustainability goals.

Challenge Title	Community Engagement & Resilience via the Aloha+ Challenge	
Department / Organization	Hawai'i State Enterprise Technology Services (ETS) and Hawai'i Green Growth	
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Impact on Government		Impact on Community
Departments will benefit from having more community-level data to capture and illustrate action, priorities, and needs for resilience of various communities through geolocation. This will help inform decision-making across districts and show trends in behavior change based on policy decisions through data trends over time.		Communities will benefit from this mechanism through the ability to share their actions and needs in their areas through geolocation. This information can be published on a centralized mechanism – the Aloha+ Dashboard – for increased visibility and transparency. Community engagement with a fun and user-friendly mechanism to enter and share actions will inspire behavior change and motivate further actions across sustainability goals.
Challenge Information		
Background of Problem	Communities take relevant action across sustainability measures but these are not captured and reflected on a centralized platform. Through the Aloha+ Dashboard, communities can illustrate their actions and impact via this online open data portal.	
Thoughts on what is needed (include department platform)	Platform (if any): Aloha+ Dashboard (open data platform on Hawaii.gov site). This can build on existing initiatives like the Kaua'i Aloha+ Challenge (https://www.kauaichallenge.org/) and/or mobile applications like Joule Bug (https://joulebug.com/about/ and https://shine.joulebug.com/actions/). Thoughts: Communities need a way to communicate their actions to broad audiences to show areas of impact and needs. Government needs to have a centralized place to find community data and insights. Examples of actions related to Aloha+ Challenge goals: <ul style="list-style-type: none">- Used alternative mode of transportation (bus, bike, walk, carpool) – Aloha+ SSC goal- Refused plastic bag, straw, or other product – Aloha+ Waste goal- Produced local food from home or school garden – Aloha+ Food goal- Participated in community stewardship/service learning activity – Aloha+ GWE goal	

	<ul style="list-style-type: none"> - Saved electricity by using smart powerstrip, turning off lights, etc. – Aloha+ Energy goal - Conserved water by installing faucet aerator, reusing water to hydrate plants or grass, taking shorter showers, etc. – Aloha+ NRM goal
Project Value (Department - Government - Community - Industry)	<p>By showing data trends of actions and needs based across sustainability goals, this mechanism can measure behavior change by geolocation based on community efforts, policy decisions, and other factors. Ability for departments, government, and industry to view community actions and priorities across districts via geolocation to inform decision-making for resilience.</p> <p>This project would provide information on impact and long-term benefits of sustainability actions, show data trends and what others in the community are doing in relation to the Aloha+ Challenge goals. This app could potentially provide incentives (positive and negative) like point systems and provide community building and sharing options like linking to social media or groups.</p>
Department Data Available	State and county-level data on Aloha+ Dashboard https://dashboard.hawaii.gov/aloha-challenge
To be completed by the HACC Planning Committee	
Community/Industry Data Available	
Potential Community/Industry Co-Sponsors	