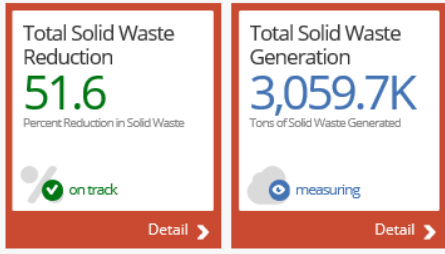


2018

# Hawai'i Annual Code Challenge (HACC)

<b>Challenge</b>	Nitrogen and Carbon Footprint Data Aggregator
<b>Department / Organization</b>	UH Office of Sustainability
<b>Contact Information</b>	Jillian Cristobal, jmc46@hawaii.edu

[Aloha+ Dashboard Connection](#)

Waste Reduction	Total Solid Waste Reduction	Total Solid Waste Generation
 <p>The dashboard shows two cards. The first card, 'Total Solid Waste Reduction', displays '51.6 Percent Reduction in Solid Waste' with a green checkmark and 'on track' status. The second card, 'Total Solid Waste Generation', displays '3,059.7K Tons of Solid Waste Generated' with a blue eye icon and 'measuring' status. Both cards have a 'Detail &gt;' button at the bottom.</p>	<p><i>By 2030, increase the quantity of discarded materials diverted from the landfill annually.</i></p>	<p><i>By 2030, significantly reduce the annual generation of solid waste.</i></p>

## Challenge Information

<b>Background</b>	<p>University of Hawaii is making great steps towards sustainability. Calculating Nitrogen and Carbon footprints is a long and tedious process. It requires collecting data from many stakeholders, manually inputting the data in a calculation software and producing a report. The process is so long, it takes a year to produce such a report, and oftentimes, the stakeholders that contributed the data are not exposed to the end-result – the report.</p> <p>Stakeholders who want to help with data collection process often lack the knowledge of where to start, who to talk to, and which data to collect. The data is extremely varied and can include: food purchasing records, utilities consumption, waste inputs and outputs, commuter data, demographics, etc.</p> <p>Challenges:</p> <ul style="list-style-type: none"> <li>• Availability of simplified information (what data to collect)</li> <li>• Capacity to collect basic data</li> <li>• Data that is collected needs to be consistent</li> <li>• Limited exposure to reports and to the impact of the data that was collected on the report</li> </ul>
<b>Data</b>	<ul style="list-style-type: none"> <li>• UH Mānoa campus data</li> <li>• Excel spreadsheets organized by sector, scanned invoices (pdfs)</li> </ul>

	<ul style="list-style-type: none"><li>• For use by UH Office of Sustainability, Administration, Students, Faculty/ Researchers</li></ul>
<b>Ideas</b>	Data collection app, Gamification concept, progress report, meeting goals feature (like health apps or Aloha+ challenge)