



The idea behind the concept plan for a **Zero Carbon Energy ZCE Comfort station** is to provide awareness level and engagement to the reality of hydrogen gas as a substitution for liquid propane gas. Our daily use of LPG high lights the impacts of carbon emissions on our everyday lifestyle practices.

Propane for example is the life blood for local island residents as it is used to heat our water, supply fuel to our grills and stoves, off grid fuel of choice for ease of use.

The impact of this concept effort is a transparent lens to our “carbon kuleana” (responsibility, stewardship) that will be demonstrated from the level of shared learning as is happening with our children to our legacy family members our grandparents. The goal to promote safety first, then ease of use and fun will quickly spread, the away Aloha does through personal experience. When we feel safe as a group, we are able to get comfortable, thus the comfort station design and impactful intension .

The pivot to a simple to set up hydrogen demonstration at public forums and events will provide local residents and community stakeholders the opportunity to evaluate their carbon responsibility in real time with direct comparison. More importantly, feel comfortable practicing new innovations and emerging technologies in a safe environment so that we may integrate into our place based learning activities and every day life events, like grilling at the beach or providing gas heat and lighting for an evening farmers market and night time sporting events as a few examples the venues are limited only to our lifestyle activities.

Progress will be demonstrated by the weekly activities and the normalization of Hydrogen fuel to power activities. Run time and kilograms produced will be our metric of measurement. This will require our commitment to showcase local production of hydrogen at our Kawaiahe facility of 4kg per day with 8kg of storage to fill and replenish our Zero carbon energy comfort station cylinders with hydrogen so they are ready for the next outing and community activity with full participation.



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