

**Our journey to develop
a community-informed
bioenergy project for
Oahu's West Side**

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**Simonpietri Enterprises LLC
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Our community engagement process



1. Case studies – 5 Local projects & 5 mainland bioenergy projects
2. Formal introductory presentations to Honolulu Neighborhood Boards
 - Makakilo/Kapolei JAN 2022
 - Nanakuli/Ma'ili FEB 2022
3. Online community survey round 1
4. Stakeholder interviews with community organizations and leaders
5. Online community survey round 2
6. Listened at neighborhood board meetings >1 year
 - Makakilo/Kapolei
 - Nanakuli/Ma'ili
 - Waianae
 - `Ewa

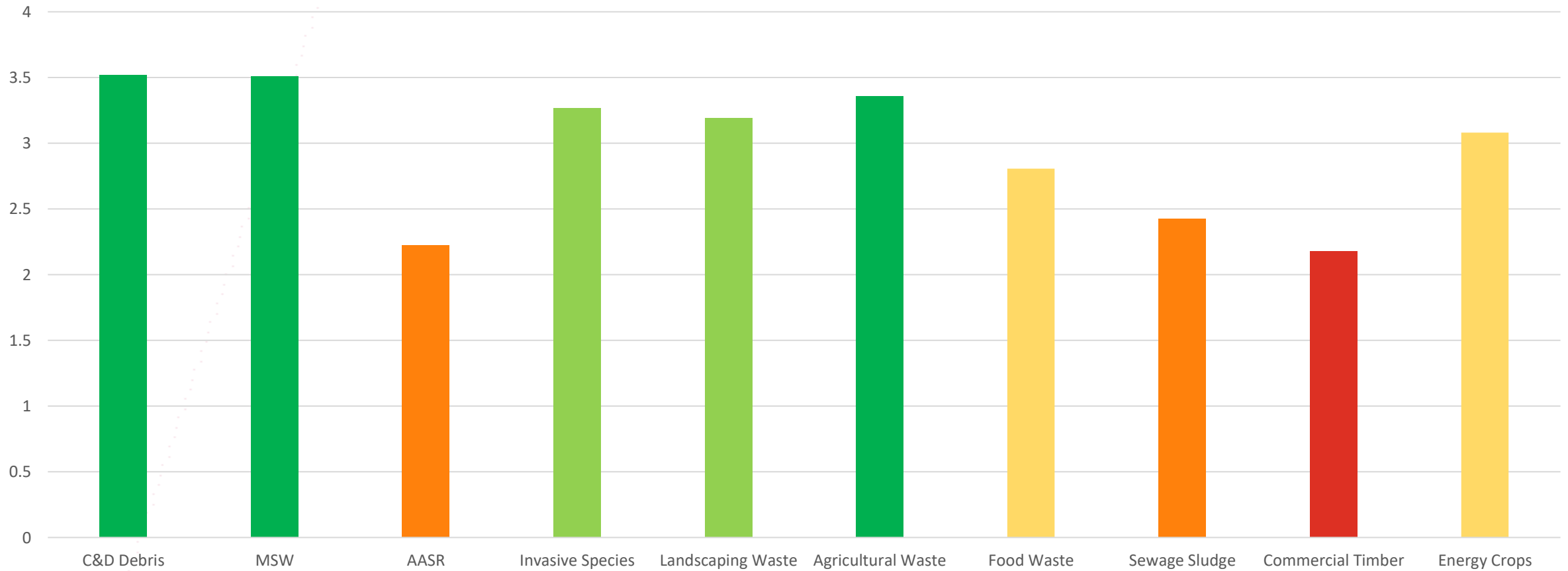
Responses from Aloha Carbon Intro Presentation



- ***“Just want to say WOW!... I welcome your project to the community. It’s marvelous. Thank you!”*** – Kioni Dudley, Kapolei Neighborhood Board Member January 2022
- ***“Just want to mahalo [thank] you... for trying to make things better. I’m 100% with you that your project would make a huge difference to the way we handle waste on island.”*** – Makana Paris, Kapolei Neighborhood Board Chair January 2022

Feedstock Preferences

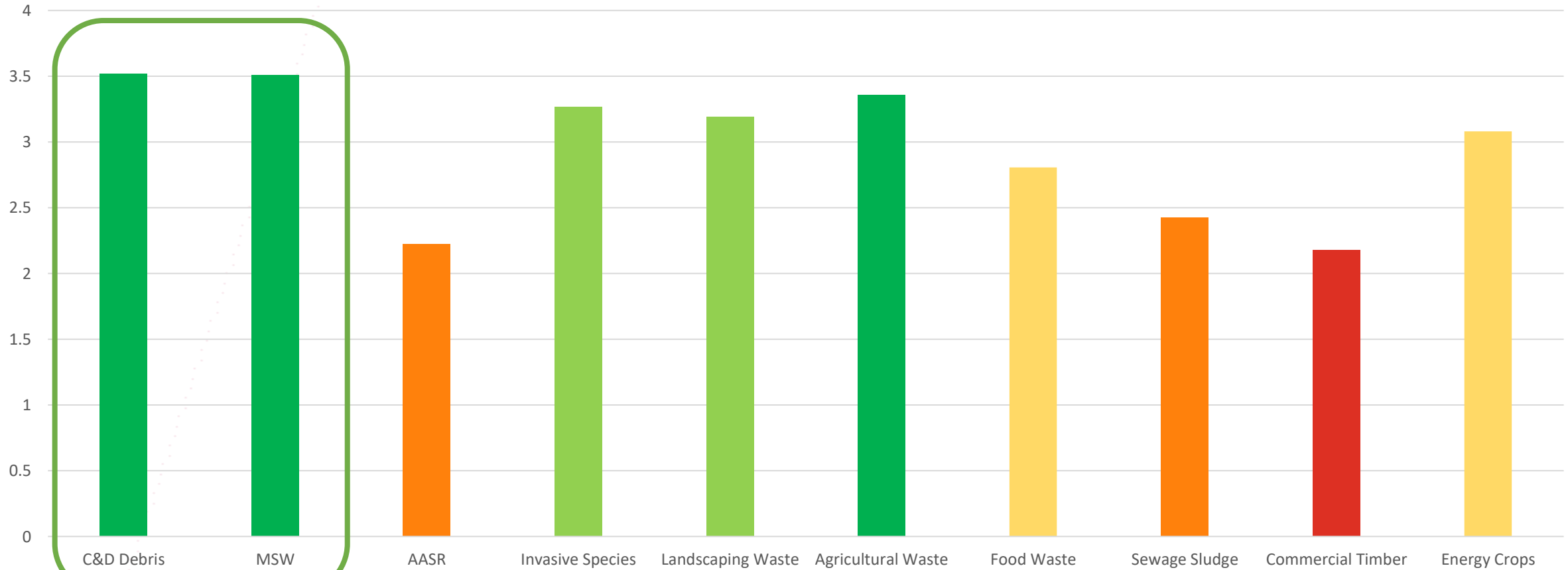
Of these feedstocks we could convert to fuel,
which do you prefer?



**AASR = Automobile and Appliance Shredder Residue

Feedstock Preferences

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Confirmation of C&D Debris as a Community Preferred Feedstock

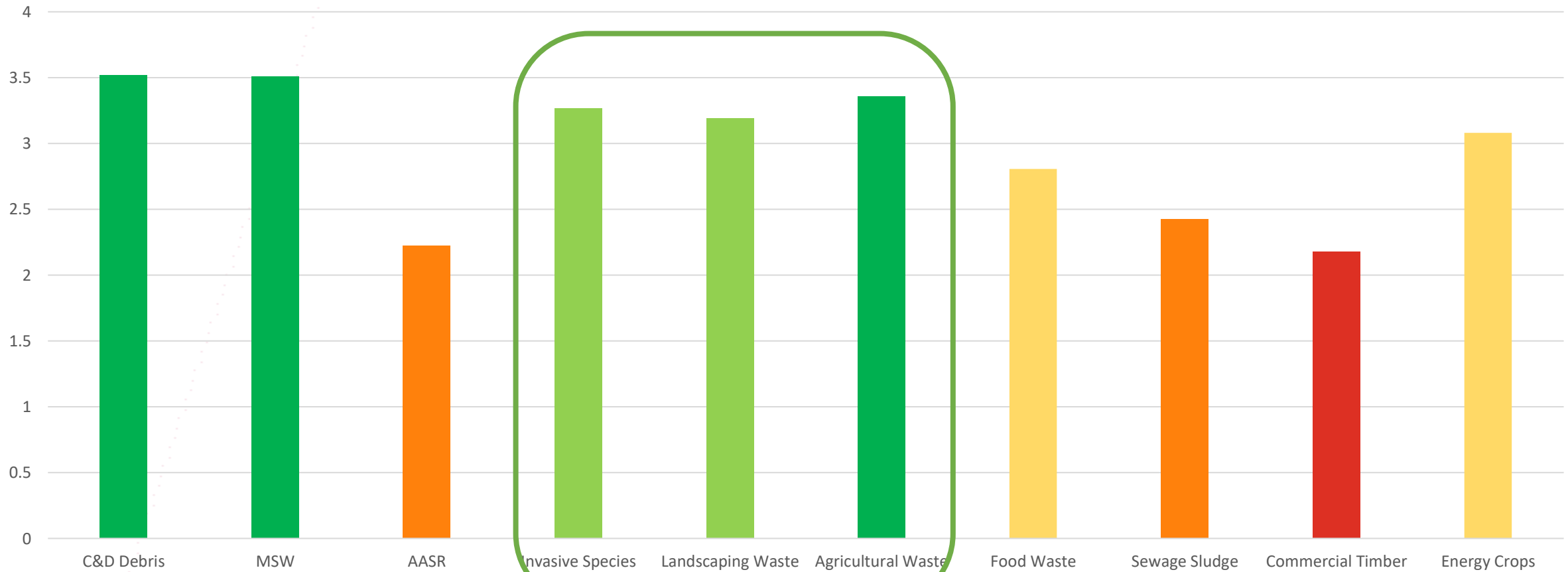


Partners:



Feedstock Preferences

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Technical Assessment of Invasive Species

Invasive species sampling



Partners:



Hui Kā Maoli Ōia
Transforming Land Back To 'Aina

Papahana Kuaola



Greenwaste drying trial



Which led us to the opportunity to make Fertilizer

Recap of how we got here:

“ Can you do something about invasive species?”

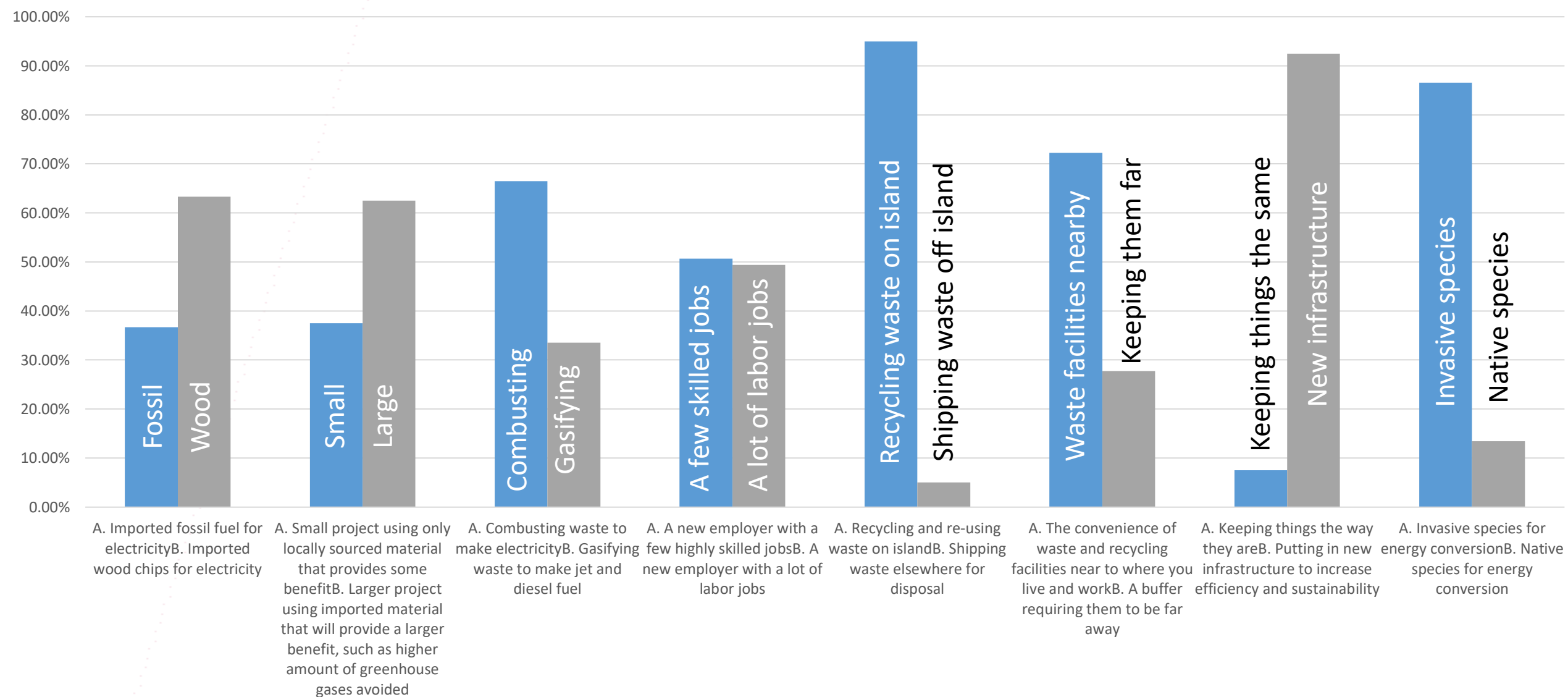
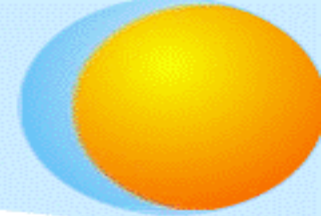
- Need to stop Coconut Rhinoceros Beetle (CRB) spread
- Fertilizer is one of the highest input costs for farmers in Hawaii (10-100% over the U.S. average!)
- Need for better waste management for local poultry farms

What we did about it:

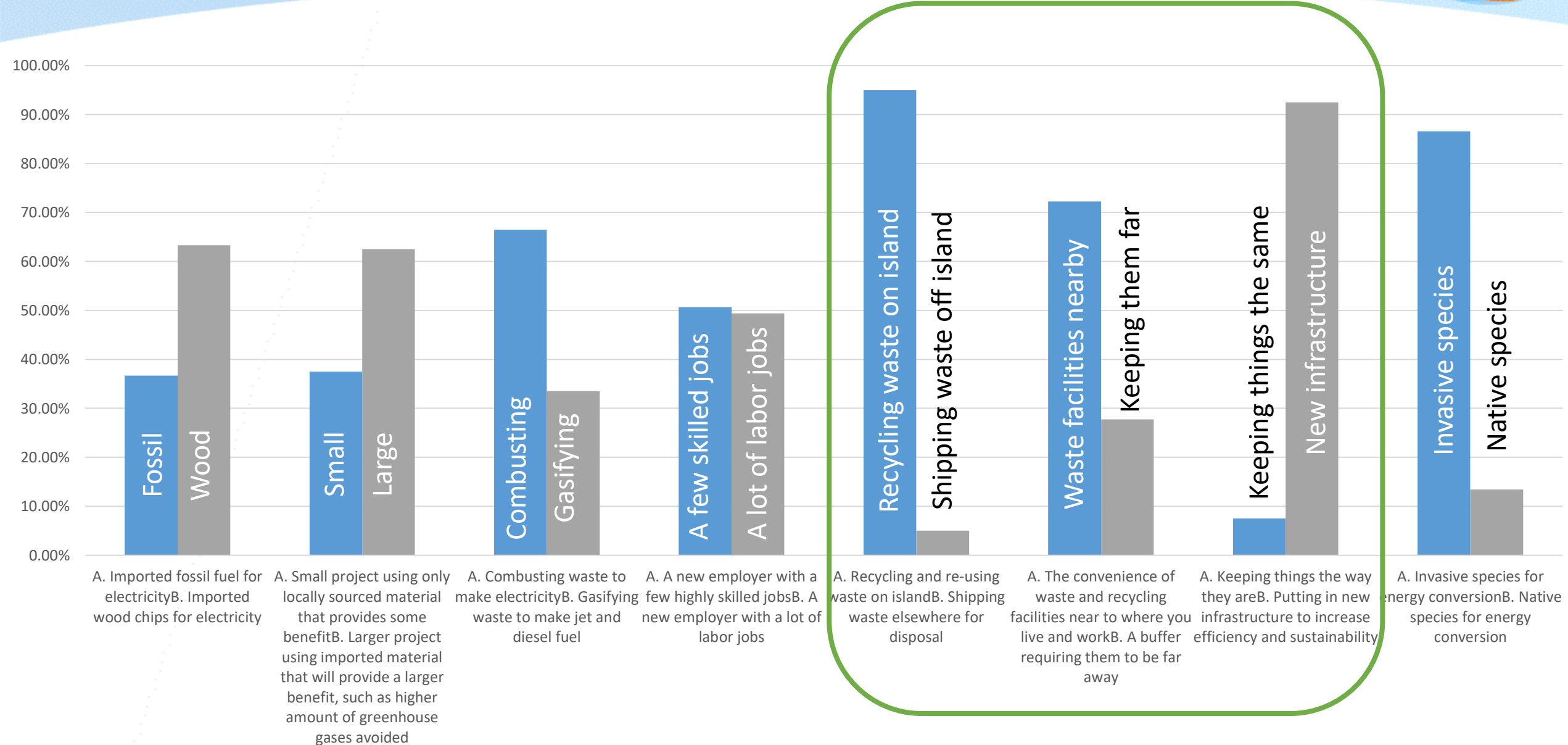
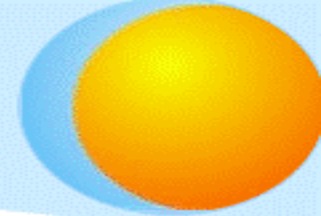
- Developed a business & manufacturing plan to make organic slow release fertilizer with local partners
- Partnered with UH College of Tropical Agriculture
- Applied for \$\$ for a crop trial on our new fertilizer



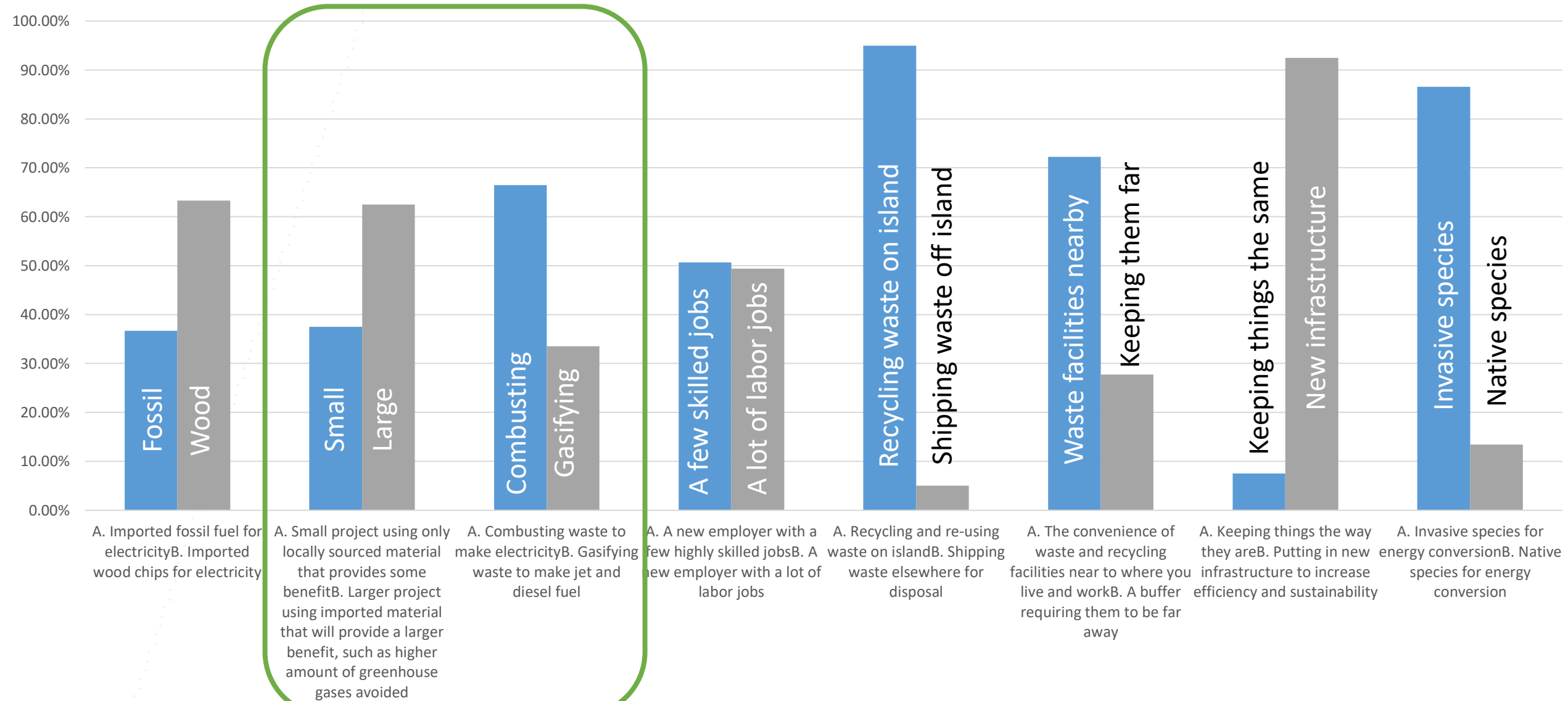
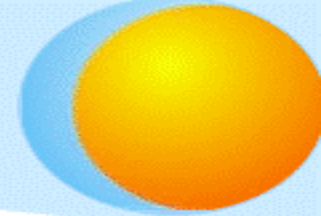
Community Preference when we have to make choices



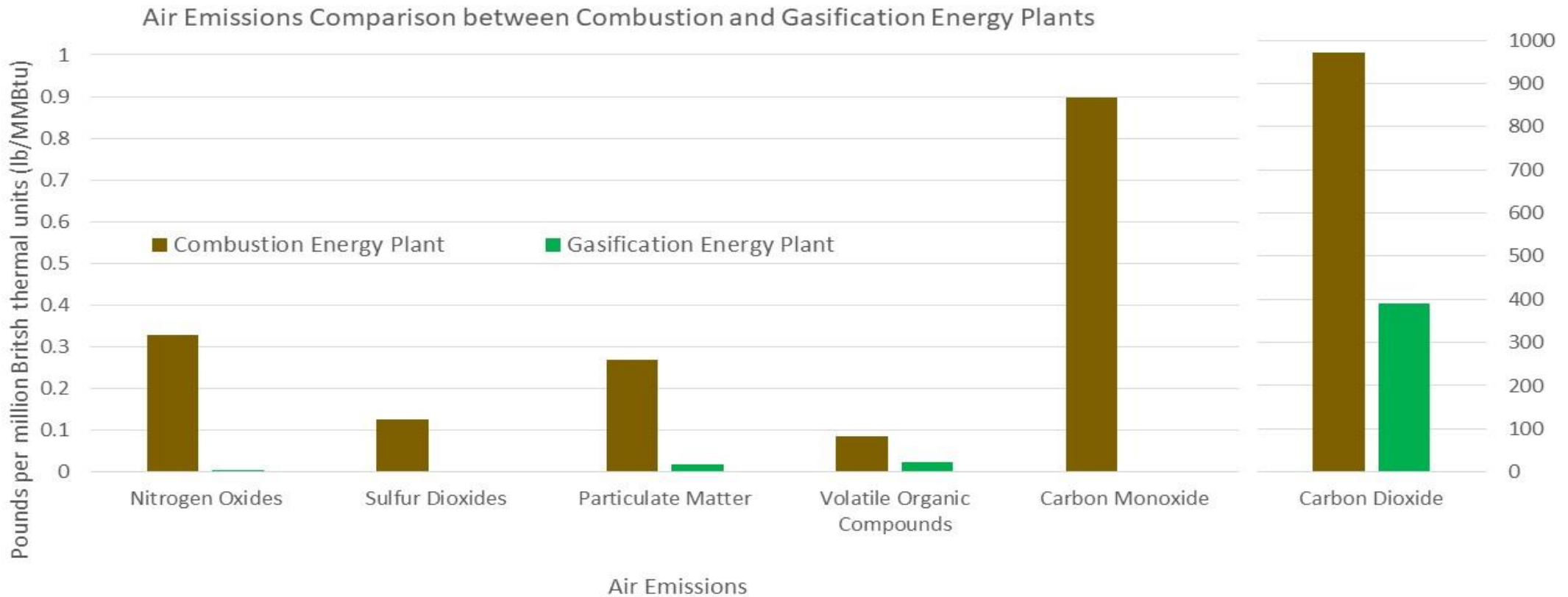
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Community Preference when we have to make choices

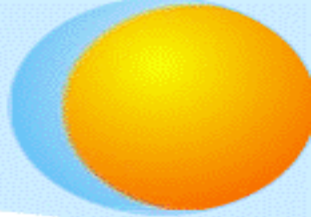


Comparison of air emissions between gasification and combustion



Neighborhood Board Key Takeaways

What we heard from the community concerns raised over the past year...



What We Heard Are Common Concerns

Topics that got a lot of discussion:

- Illegal dumping
- Red Hill water contamination
- New landfill siting to replace Waimanalo Gulch

Have open and honest communication at all times

Need for local workforce development of quality jobs and living wages

Problem of traffic and transportation issues – difficult to get in and out during peak hours.

Need to be protective of the land resources and maintenance of community assets

What We Are Doing to Address Common Concerns

Do what we can to prevent dumping, landfilling, and impact to freshwater aquifer

Say what we are going to do and do what we say

100% local hires + paid UH internships

Measure success by each truck diverted from Nanakuli

Focus on waste streams going to be landfilled or thrown away anyway

Mahalo!



Questions?

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