

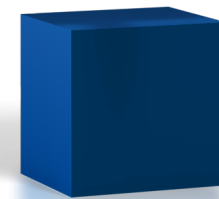
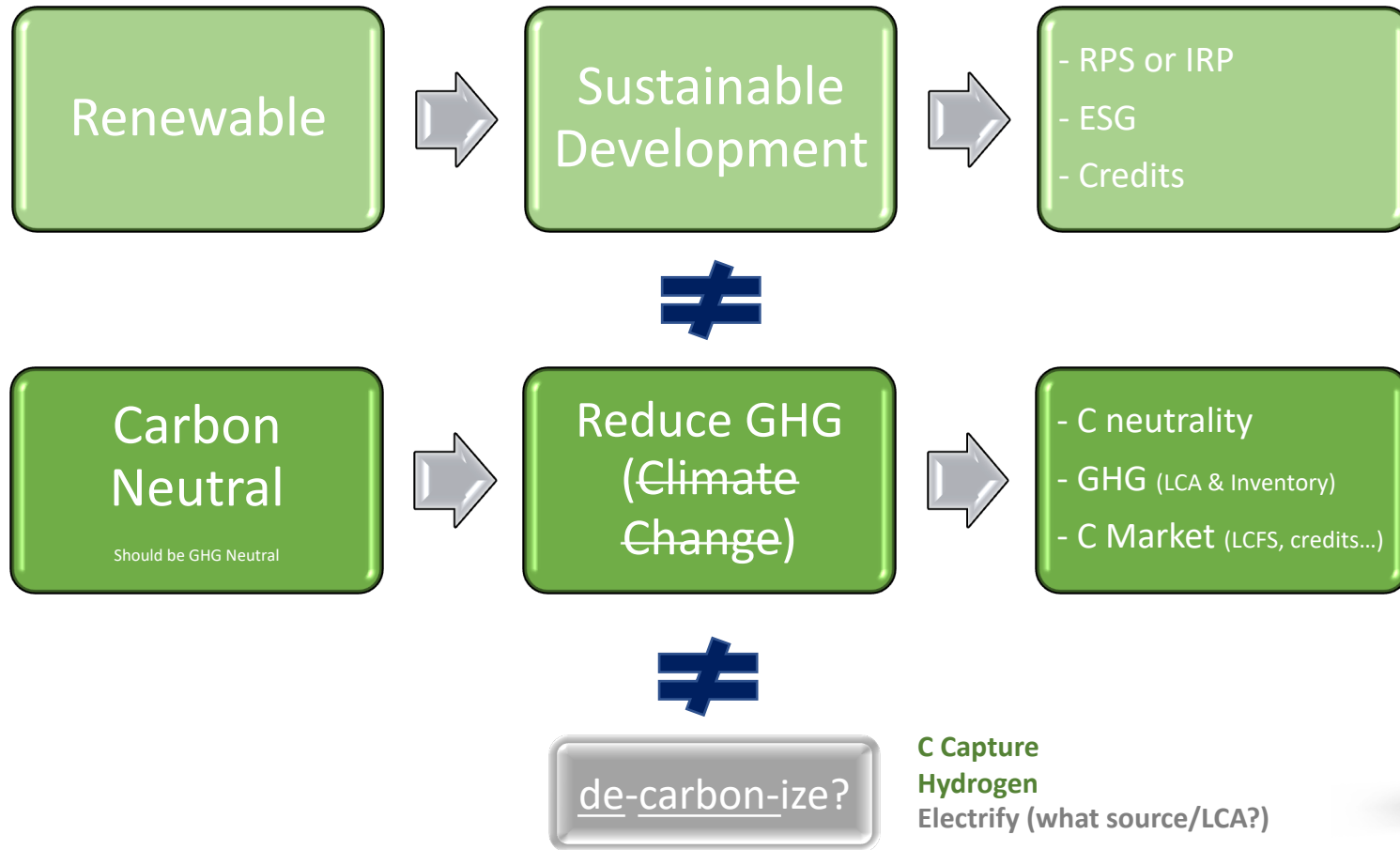
# HBETO Forum 2022: Scene Setting

Dr. L. Nassif  
Officer HBETO



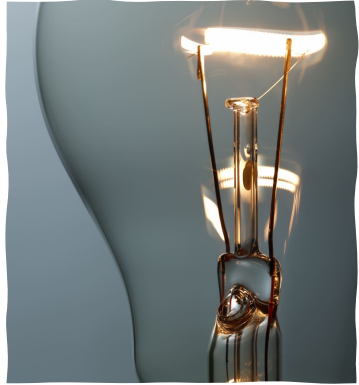
# What does Sustainability mean?

“To everyone the answer is obvious, and yet everyone has a different answer”

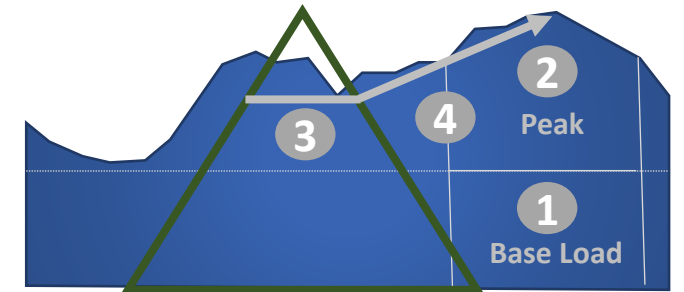
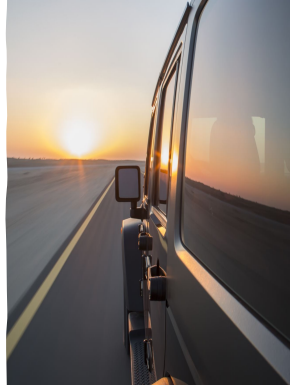


Hawaii needs to reduce GHG to “fight” climate change AND develop renewables to promote sustainable development  
Beware of words that can have multiple meanings and false equivalencies

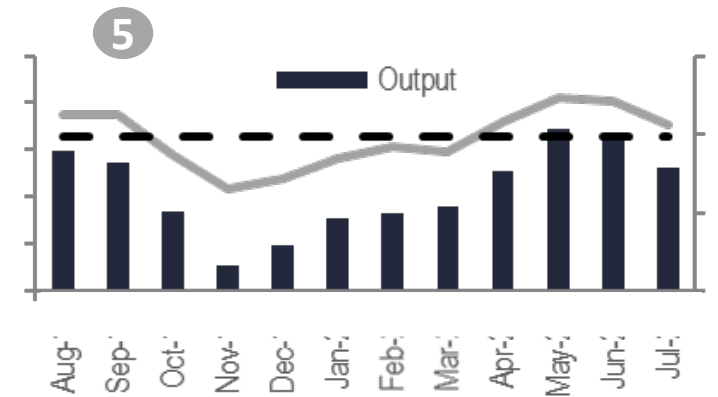
# What does Reliability/Resiliency mean?



RELIABLE



RESILIENT

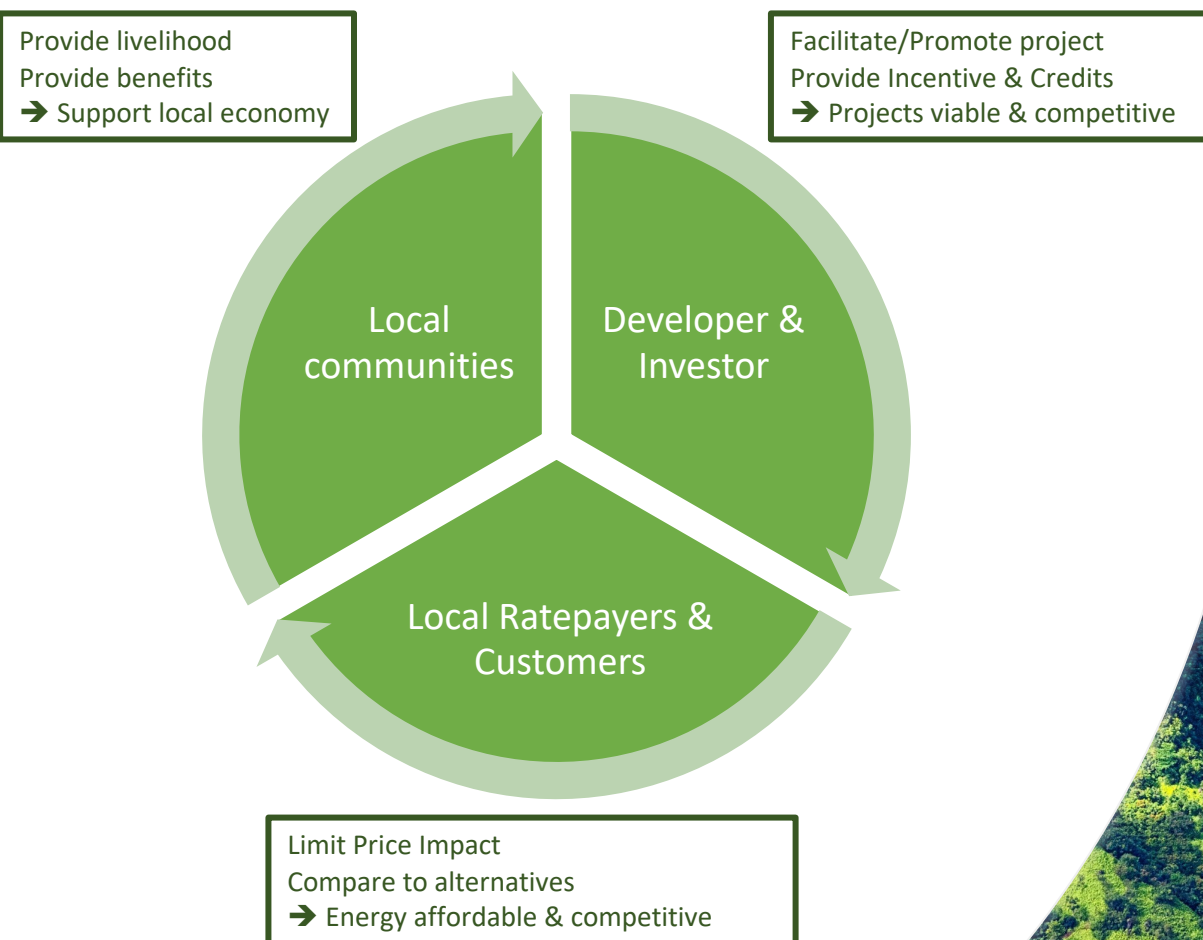


Hawaii, more than any other place, needs both reliability and resiliency  
Firm and Intermittent Energies are both needed but are not interchangeable  
Hawaii needs long term, preferably local, cost-efficient storage to further address resiliency & reliability



# What does Affordability mean?

“Only win-win-win projects are viable”





## What does Equitable mean?

“Benefits are agreed by ALL  
and shared fairly between ALL”

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If a community/entity resource is to be used:

- That community must benefit
- That community must have a voice
- Agreements must be honored

To benefit ALL (State, city & counties, local communities), we must try to minimize unavoidable trade-offs by:

- Seeking co-developments (bio-crops)
- Remediating legacies (re-use waste)
- Leveraging technology (most efficient & environmentally friendly)





# Mahalo

**“The best time to plant a tree was 20 years ago. The second-best time is now.”**

- Chinese Proverb

