Sustainable HCC

OUTCOMES

I. What is Sustainability?
II. What are the Basic Principles of Sustainability?
III. What we are doing at HCC and in the UH System now?
IV. What you can do at work and at home?
I. What is Sustainability?:

Sustainability is:

"[to meet] the needs of the present without compromising the ability of future generations to meet their own needs [Brundtland Commission]"
WHAT A DIFFERENCE 3 FEET MAKES

In the next 100 years ocean levels are expected to rise 39 inches due to global warming. Here is what Waikiki could look like, according to researchers at the University of Hawaii-Manoa.
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Sustainability at HCC
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• Hawaii Renewable Energy sector fastest growing at 8.4% and paying $58,498
• Hawaii Environmental Consulting growing 4.1%, and paying $66,971
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THE VISION

For HCC to be an example of sustainability

For the community
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Human Behavior

So what works?

• Feedback
• Commitment, especially public
• Increased social reinforcement
II. What are the basic Principles?

1. Triple Bottom Line
2. Closed Loop Cycles
3. Ecological Footprint
4. Zero Waste
5. Zero Energy
6. Self-sufficiency + Carrying Capacity (Ahupua’a)
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People

Profits

The Planet
Sustainable HCC

People

Profits

The Planet
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1. TRIPLE BOTTOM LINE
2. CLOSED-LOOP CYCLES

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IN CLOSED-LOOP CYCLES WASTE = FOOD
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LINEAR PROCESS
TAKE -> MAKE -> WASTE

CYCLIC PROCESS
WASTE = FOOD

WASTE = FOOD
2. CLOSED-LOOP CYCLES
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NOT LINEAR...CYCLIC!
3. ECOLOGICAL FOOTPRINT

- How much ‘nature’ does your lifestyle require?
- How much land and ocean area would be required to sustain your consumption patterns and absorb your waste on an annual basis.
- www.myfootprint.org/
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The Ecological Footprint

MEASURES
how fast we consume resources and generate waste

Energy  Settlement  Timber & paper  Food & fibre  Seafood

COMPOSED TO
how fast nature can absorb our waste and generate new resources.

Carbon Footprint  Built-up land  Forest  Cropland & pasture  Fisheries
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United States of America

Our footprint is bigger than our country
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If everyone in the world lived liked an average European we would need three planets to live on.

If we all lived like an average North American we would need five planets.