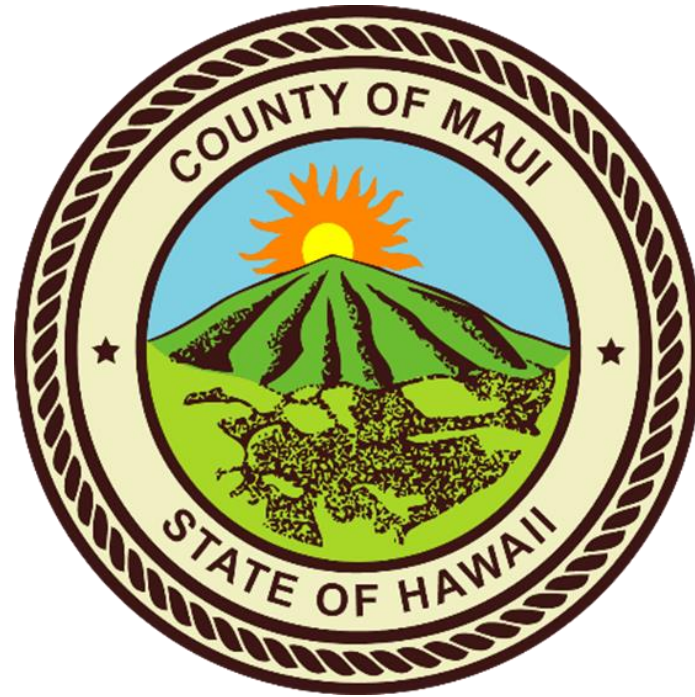
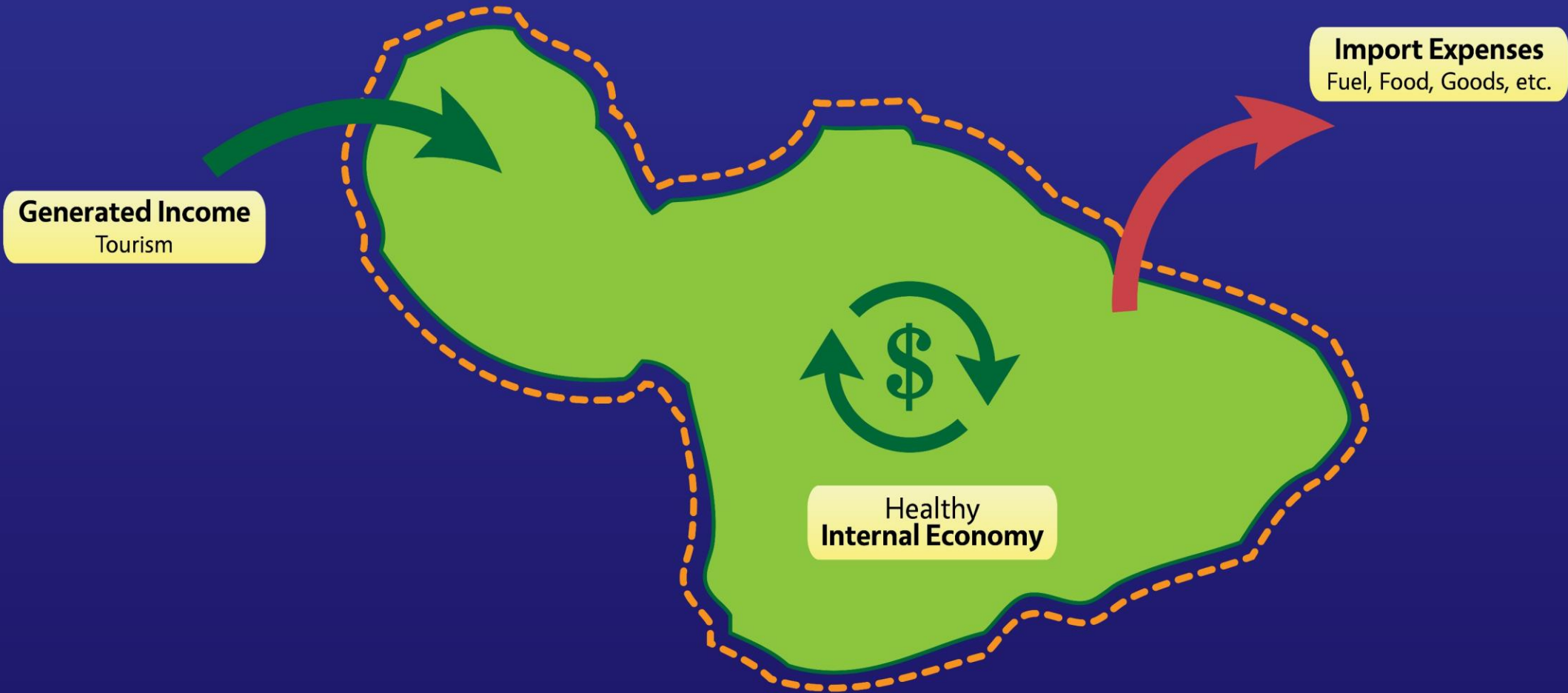


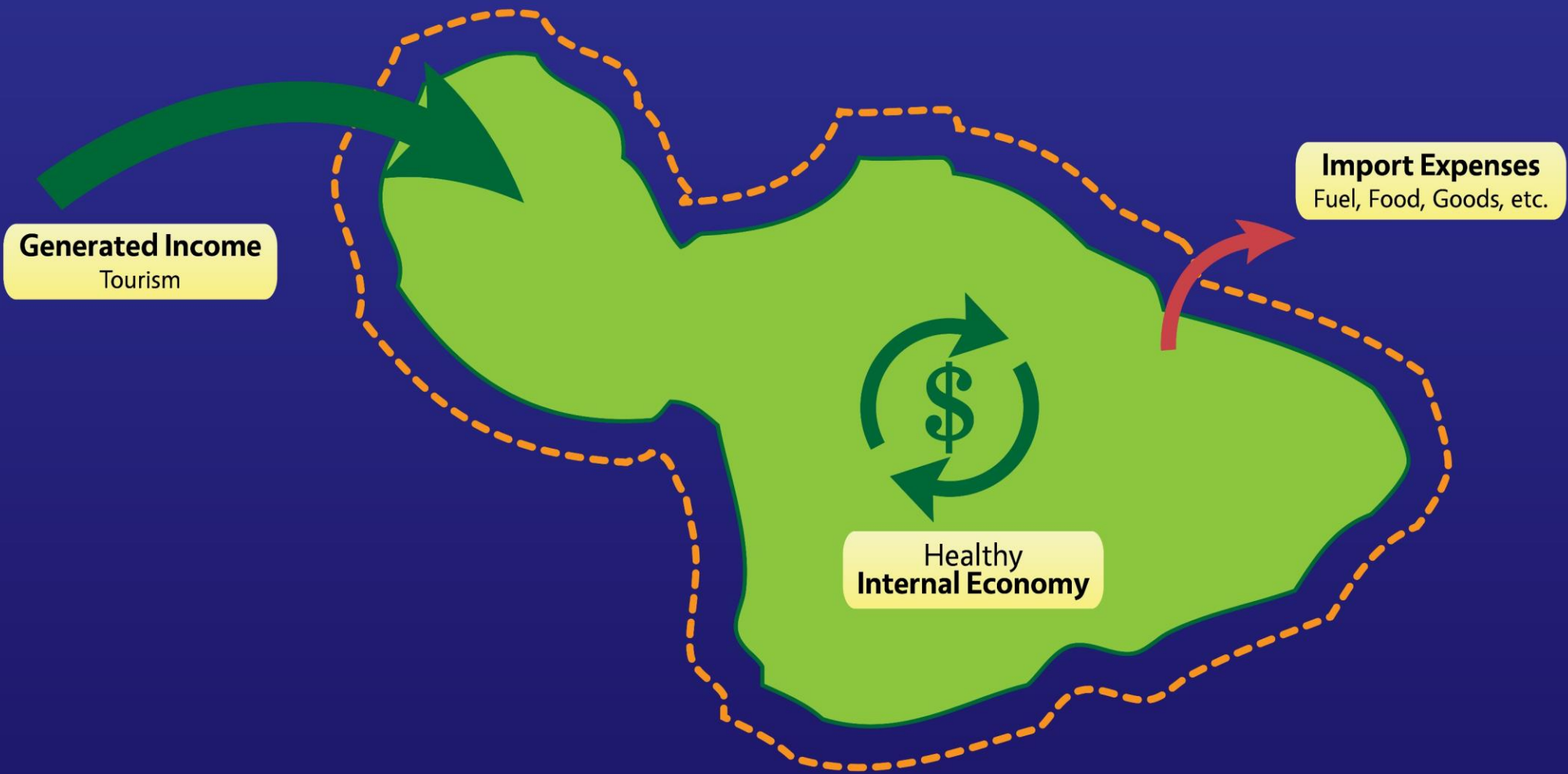
Economics and Market Perspectives

Frederick Redell, PE
County of Maui Energy Commissioner

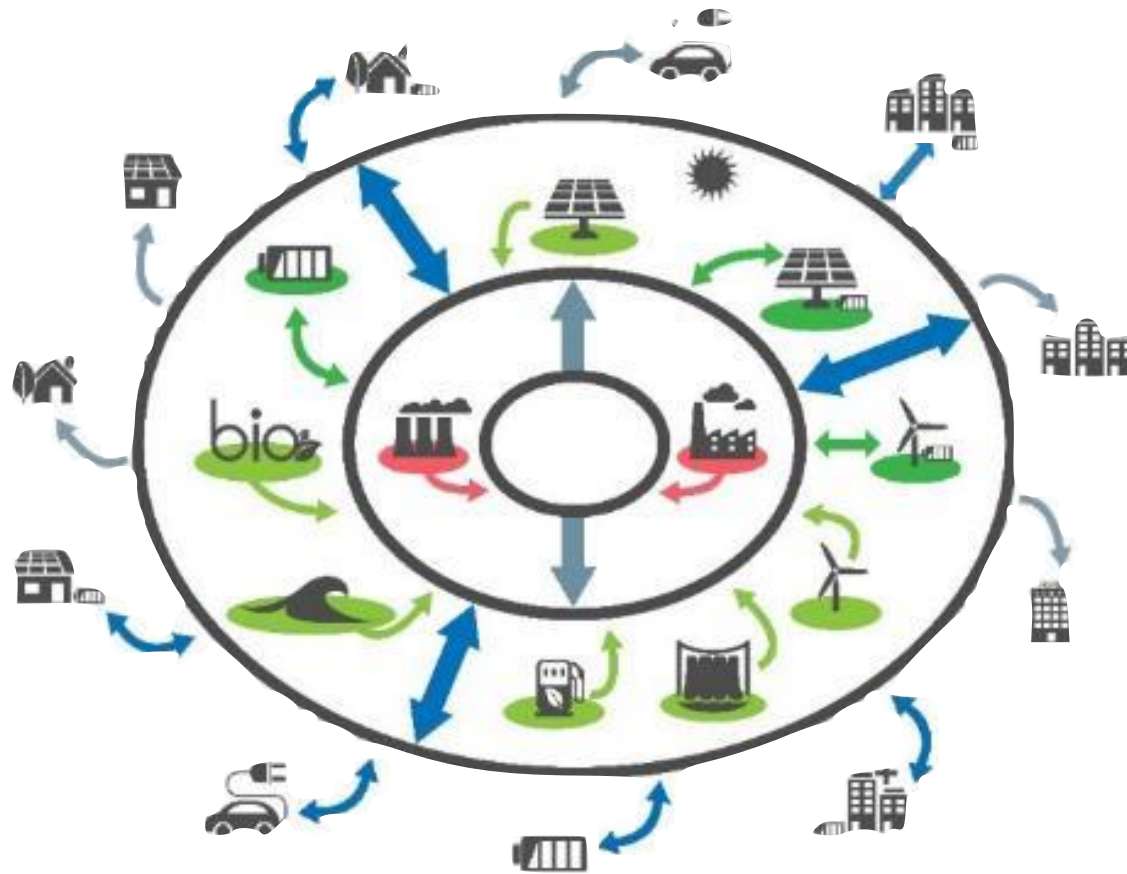


IPS Connect, October 17, 2018

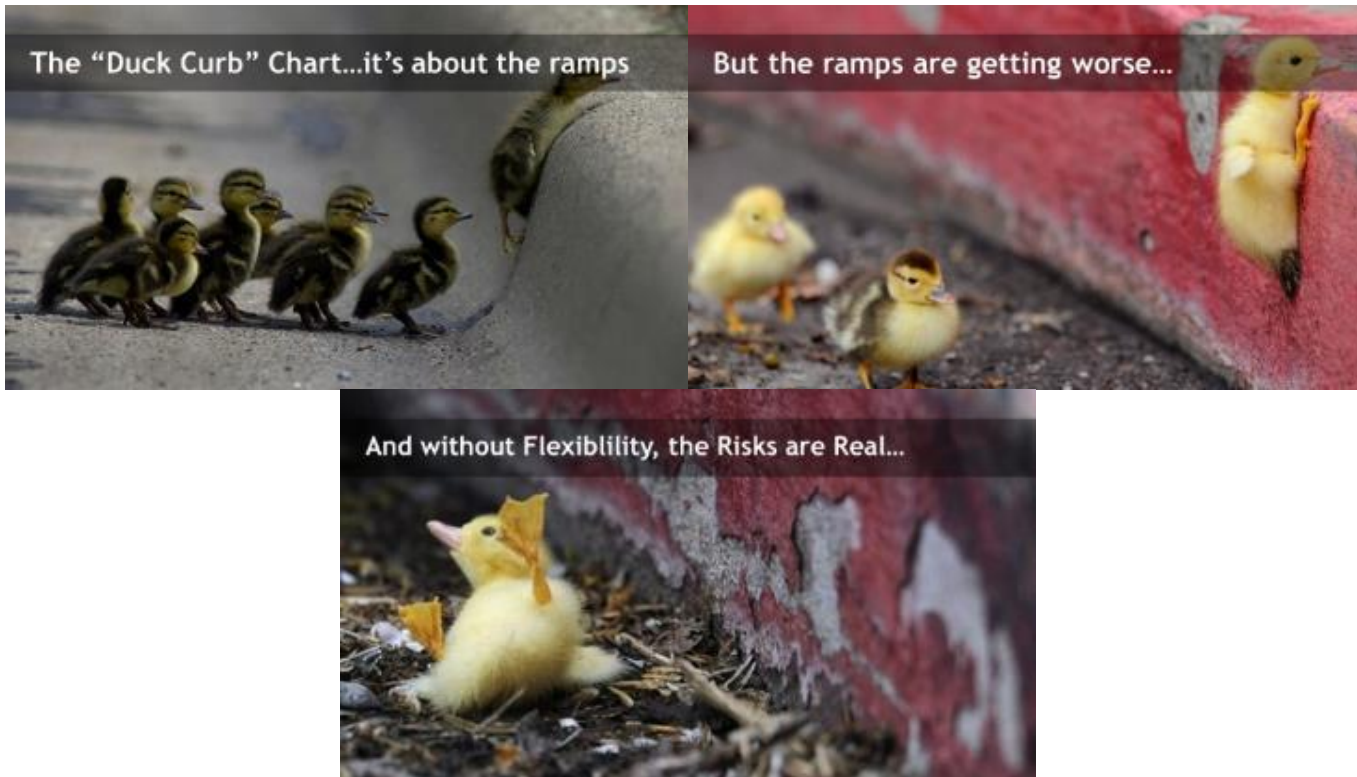




Opportunities in a Changing Market



Managing a Changing Market Means Dealing with new Problems



Finding Ways to Invest Less than Twice and Not All Ideas are Timeless

- ▶ Demand response with installed facility generators
- ▶ Trading off water storage (larger tankage) vs. battery energy storage
- ▶ Energy Efficiency through A/C defeat switches (start considering the demand impact)
- ▶ Pool heating as a grid resource (regulation, etc.)
- ▶ Electrification through Work-Place Charging of EVs (scheduled load)
- ▶ Investing in deep statistical analyses is what is needed to extract new value out of data.

Mahalo!

