ADVANCING TOWARD GRID MODERNIZATION — MEETING CUSTOMER NEEDS

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Maui Energy Conference

Session 4: Advancing Toward Grid Modernization – Meeting Customer Needs

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Perspective

- More collaboration is needed we have much more agreement than disagreement, so let's build on that (lower bills, more renewables, resiliency, choice)
- Major drivers are all moving at a different pace – markets, grid modernization, customer expectations, technology and public policy (how do we keep these moving as a system to best serve the public and our communities)

Customer Focused Strategy

Challenges

- As more segments are created, who is accountable to customers for outcomes?
- Working through the transitions, investment cycles and technology may not match the pace of change (all sides)
- Diversity
- Fairness and sustainability while preserving choice

Hawaiian Electric Maui Electric Hawai'i Electric Light

Opportunities

- Optimization of resources as a system, not each part for the best total cost
- Greater transparency and engagement (feedback and market signals)
- Technology creates segmentation options – culture of innovation
- Connecting the right solutions to problems; i.e.; Energy Excelerator, GEMS, OBF

Final Thought

 Keep bringing the discussion back to how, when and why changes help all customers and our community as a whole. Sustainability of choices is critical.

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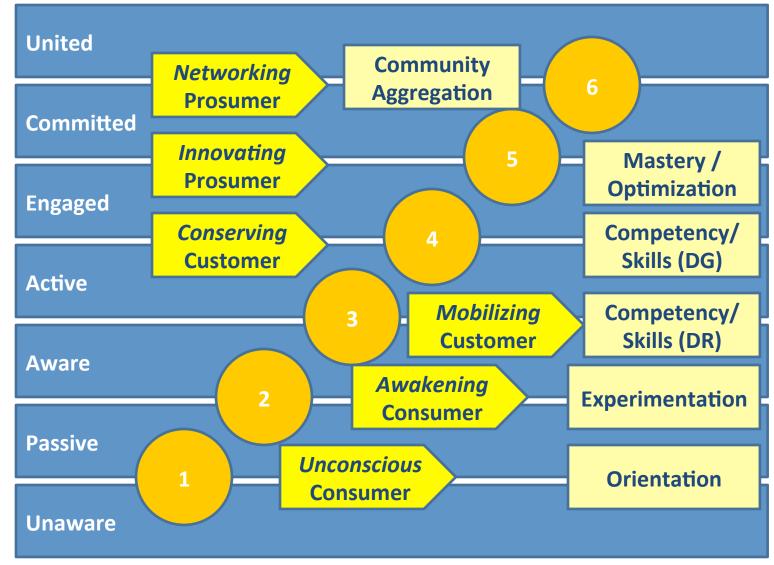
Vice President, Hawaii Operations, STEM Inc.

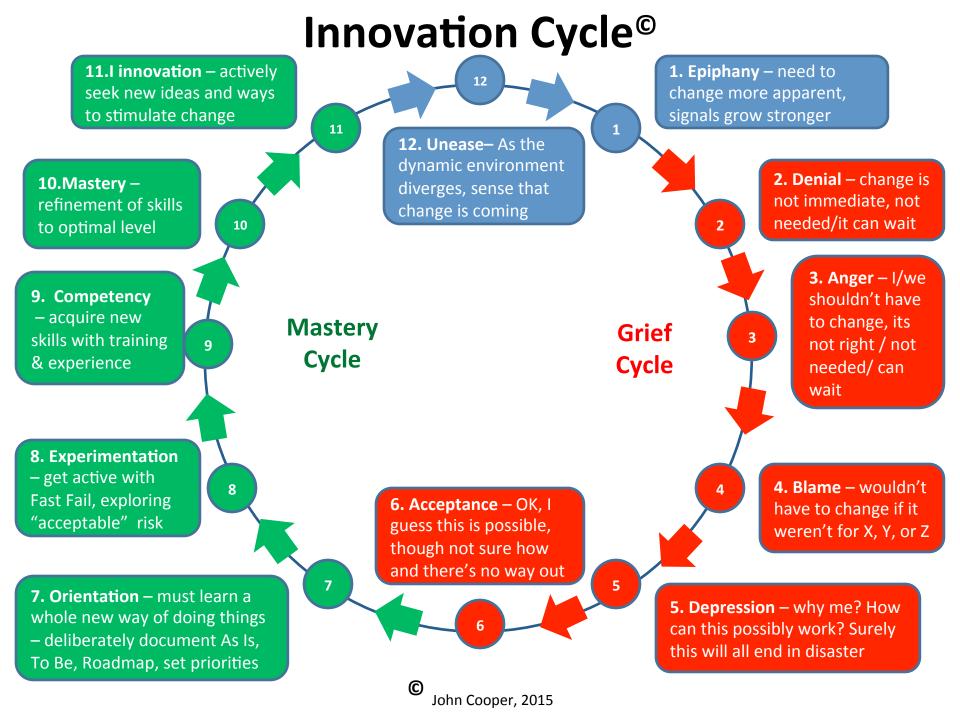






Consumer Maturity Model ©





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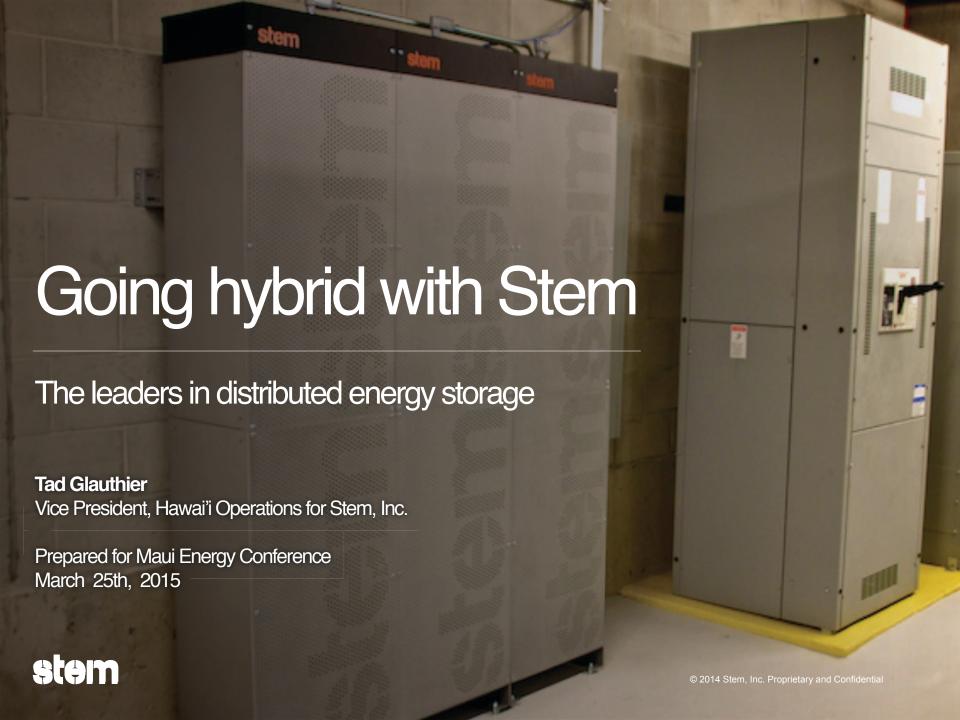
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The Stem system

Cloud-based energy intelligence platform that leverages smart storage, helping businesses control demand charges and providing utilities with flexible capacity.





PowerScope: A platform for action



Visualize

View precise data on past, present and future energy use



Identify

Predict load spikes within the utilities billing cycle



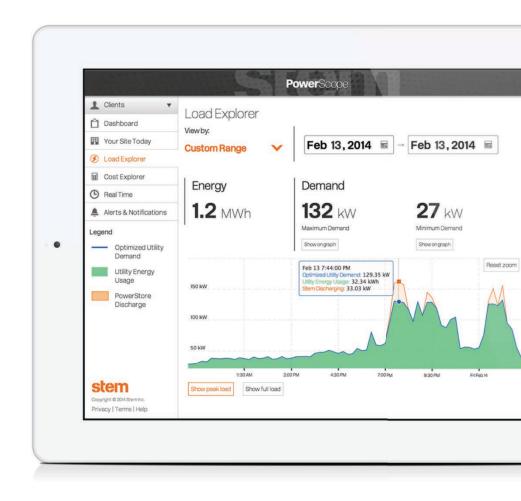
Optimize

Integrate tariff considerations for usage spikes



Control

Deploy on-site storage for optimal financial impact







Mahalo

Tad Glauthier

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