



March 14-15, 2018 | Maui Arts & Cultural Center

MAUI ENERGY CONFERENCE + EXHIBITION

DECARBONIZATION: A Business Opportunity for Innovative Communities

Wednesday, March 14

7:00 AM

REGISTRATION

CONTINENTAL BREAKFAST | Founders Courtyard

Sponsored by Hawaiian Electric, Maui Electric, Hawaii Electric Light

8:00

CULTURAL OPENING | Castle Theater

Clifford Nae'ole, Cultural Advisor, The Ritz-Carlton, Kapalua

E KOMO MAI (WELCOME)

Teena Rasmussen, Economic Development Director, County of Maui

Leslie Wilkins, President and CEO, Maui Economic Development Board, Inc.

THE BUSINESS OF CARBON—YOUR 10-MINUTE INTRO

Doug McLeod, Chair, Conference Program Committee

8:30

KEYNOTE ADDRESS | Hawaii as a Climate Leader

Representative Chris Lee, Chair, House Committee on Energy and Environmental, State of Hawaii

9:15

Q&A Discussion

9:30

COFFEE BREAK AND EXHIBIT SESSION | Morgado Hall

Sponsored by Hawaii Energy/Leidos

10:00

THE LIMITS OF THE HAWAII CLEAN ENERGY INITIATIVE

The Hawaii Clean Energy Initiative (HCEI) has made claims to be a catalyst for significant strides in renewable energy, but there are lingering questions. What exactly is HCEI? What are its limits? Does it address carbon? Is there a worthy successor?

Moderated by:

William Giese, Executive Director, Hawaii Solar Energy Association

Hermína Morita, Energy Dynamics

Alan Oshima, President and Chief Executive Officer, Hawaiian Electric Company

Gerald Sumida, Partner, Carlsmith Ball LLP

10:45

BUSINESS OPPORTUNITIES CREATED BY HCEI

What have we learned about nurturing business opportunities in the renewable energy sector? What are the hits and misses involving utility scale and distributed renewable resources? Is there a viable market for carbon?

Moderated by:

Luis Salaveria, Director, Department of Business, Economic Development and Tourism,
State of Hawaii

Kyle Datta, General Partner, Ulupono Initiative

Dawn Lippert, Chief Executive Officer, Elemental Excelsior

Wren Wescoatt, Principal, 7 Generation Consulting

11:30

LUNCH | Founders Courtyard

Sponsored by Hitachi

EXHIBIT SESSION AND DESSERT | Morgado Hall

1:00 PM

CONVERGENCE: HOW IT ALL COMES TOGETHER

What shared platforms for success can be created that involve all stakeholders—government, private sector, environmental community, and the public at large? What shared solutions are possible for connecting transportation and the grid?

Moderated by:

Scott Seu, Senior Vice President of Public Affairs, Hawaiian Electric Company

Stacey Crowley, Vice President, Regional and Federal Affairs, California Independent System Operator Corporation (CAISO)

Martha Symko-Davies, Laboratory Program Manager, Energy Systems Integration, National Renewable Energy Laboratory

Mike Yamane, Chief of Operations, Kauai Island Utility Cooperative

1:45

HAWAII ENERGY VIDEO: REDUCING CARBON THROUGH ENERGY EFFICIENCY

Caroline Carl, Deputy Director, Hawaii Energy

2:00

STORAGE TECHNOLOGIES: A REVIEW OF ALL THE OPTIONS

How has the market in storage technologies developed? Are there better solutions on the horizon?

Moderated by:

Kelly Speakes-Backman, CEO, Energy Storage Association

Mark Stout, Vice President, Project Development, Amber Kinetics

Boris von Bormann, CEO, Mercedes-Benz Energy Americas, LLC

Jon Yoshimura, Pacific Market Development, Tesla

2:45

ANALYSIS: UTILITY PV CUSTOMERS RESPOND TO EVOLVING DISTRIBUTED ENERGY RESOURCE POLICIES

Luis Salaveria, Director, Department of Business, Economic Development & Tourism,
State of Hawaii

Eugene Tian, Chief Economist, State of Hawaii

3:00

COFFEE BREAK | Morgado Hall

3:30 **REGULATING CARBON: THE BEST SOLUTIONS**
What are the most cost effective ways of regulating carbon? Is there a need for putting a price on carbon? What lessons can we learn from what hasn't worked so far? Can a voluntary process work?

Moderated by:
Matthew McDonnell, Commission Counsel, Hawaii Public Utilities Commission

Sonia Aggarwal, Vice President, Energy Innovation
Doug McLeod, Chair, Conference Program Committee
Chris Lee, Chair, House Committee on Energy and Environmental, State of Hawaii

4:15 **CARBON AND ENERGY EFFICIENCY: WHAT IS THE CONNECTION?**
In what ways is energy efficiency effective in reducing carbon? What is the relationship between energy efficiency and demand response?

Moderated by:
Jennifer Potter, Project Specialist, Hawaii Natural Energy Institute

Chris Badger, Senior Consultant, Vermont Energy Investment Co.
Caroline Carl, Deputy Director, Hawaii Energy
Carilyn Shon, Administrator, Hawaii State Energy Office

5:00 - 7:00 PM **NETWORKING RECEPTION | Morgado Hall**

Thursday, March 15

7:00 AM **REGISTRATION**

CONTINENTAL BREAKFAST | Founders Courtyard
Sponsored by Sempra Renewables

8:00 **WELCOME TO DAY TWO | Castle Theater**
Lisa Briggs, Manager, Sempra Renewables
Sharon Suzuki, President, Maui Electric Company

8:15 **INVITED PRESENTATION | Maui Energy Conference—5 Years Later**
Alice Madden, Executive Director, Getches-Wilkinson Center for Natural Resources
and former Principal Deputy Assistant Secretary, U.S. Department of Energy

9:00 **DECARBONIZING TRANSPORTATION**
An update on recent developments in maritime, aviation, and ground transportation. E-bikes, the real success story so far.

Moderated by:
Brennon Morioka, General Manager of Electrification of Transportation, Hawaiian Electric Company

David Graham, Deputy Chief Operation Officer, Neighborhood Services, City of San Diego
Michael Hansen, President, Hawaii Shippers Council
David Snyder, Executive Director, California Bicycle Coalition

- 9:45** **CASE STUDY: BALANCING EVS AND THE HIGHWAY FUND**
Murray Clay, Managing Partner, Ulupono Initiative
- 10:00** **COFFEE BREAK AND EXHIBIT SESSION | Morgado Hall**
Sponsored by Elemental Exceleator
- 10:30** **REVERSE PITCH SESSION**
This session will lay groundwork to remove barriers to deploying innovation to achieve a decarbonized future in government and large companies. Our business and government leaders will present their commercial opportunity or challenge in a ‘reverse pitch’ format. The 2-4 minute pitch will share pain points they hope to find solutions for in the next 12-18 months.
- This panel will be streamed on social media, targeting a global audience of entrepreneurs interested in applying to Elemental Exceleator’s 2019 cohort.*
- Hosted by:
Aki Marceau, Director of Policy & Community Hawaii, Elemental Exceleator
Fred Redell, Energy Commissioner, Office of Economic Development, County of Maui
- 11:15** **LUNCH | Founders Courtyard**
Sponsored by Hawaii State Energy Office
- EXHIBIT SESSION AND DESSERT | Morgado Hall**
- 12:45 PM** **INNOVATIVE COMMUNITIES CREATE A ROADMAP TO DECARBONIZATION**
How are municipalities and states developing policies that address both renewable energy and climate?
- Moderated by:
Frank De Rego Jr., Director of Business Development Projects, Maui Economic Development Board, Inc.; Vice Chair, Conference Program Committee
- Robert Mould**, Energy Program Manager, City and County of Honolulu
Lucinda Smith, Environmental Services Department Director, City of Fort Collins
Ben Sullivan, Energy Coordinator, County of Kauai
- 1:30** **INTERNATIONAL LESSONS IN CARBON REDUCTION**
What can we learn from Germany, Japan, and others about the challenges of carbon mitigation? How are developing countries like Mexico blazing new pathways in renewable energy and carbon reduction through international support and cooperation? What lessons can be gleaned in the efforts of other countries to put a price on carbon?
- Moderated by:
John (J.C.) Thomas, Director of External Affairs, Sempra Infrastructure

Jeremy Martin, Vice President Energy & Sustainability, Institute of the Americas
Sarah Moe, Senior Consultant, Sustainable Buildings & Communities, DNV GL Energy Services
Takashi Ohara, Deputy Manager, Tokyo Electric Power Company Ltd

2:15 **COFFEE BREAK | Morgado Hall**
Sponsored by Hawaii Natural Energy Institute

2:45 **CARBON FARMING AND ENERGY CROPS**
Hawaii established a Carbon Farming Task force in 2017. What financial opportunities exist? What are the most promising energy crops for Hawaii?

Moderated by:
Rick Volner, General Manager of Diversified Agriculture, Alexander & Baldwin

Susan Crow, Asst. Professor, Department of Natural Resources & Environmental Management, University of Hawaii, Manoa
Charlotte O'Brien, Founder and Chief Executive Officer, Carbon Drawdown Solutions
Fred Redell, Energy Commissioner, Office of Economic Development, County of Maui

3:30 **CASE STUDY: MAXIMIZE ENERGY STORAGE VALUE WITH ADVANCED CONTROL AND OPTIMIZATION TOOLS**
Patrick Lee, Vice President, Sempra Infrastructures; President, PXiSE Energy Solutions

3:45 **MODERATED DISCUSSION: IS HAWAII'S 100% RPS WORTH THE COST?**

Moderated by:
Gavin Bade, Senior Reporter, Utility Dive

Jeffrey Mikulina, Executive Director, Blue Planet Foundation
Richard Rocheleau, Director, Hawaii Natural Energy Institute

4:30 **CLOSING**

4:30 – 6:00 PM **MAUI WOMEN IN RENEWABLE ENERGY (WiRE) PAU HANA | Yokouchi Pavilion**
Enjoy the opportunity to network with women across the state.
(*\$10 cover includes light appetizers. Cash bar for refreshments. Register at <http://bit.ly/MAUIWIRE>*)

2018 Program Committee

Lisa Briggs, Manager, Sempra Renewables
Colton Ching, Senior Vice President Planning & Technology, Hawaiian Electric Company
Frank De Rego Jr., Director of Business Development Projects, Maui Economic Development Board, Inc.
James (Jay) Griffin, Commissioner, Hawaii Public Utilities Commission
Jonathan Koehn, Regional Sustainability Coordinator, City of Boulder
Doug McLeod, Chair, Conference Program Committee
Sebastian (Bash) Nola, Utility Consultant and former So. Cal. Edison Executive
Dave Parsons, Chief of Policy and Research, Hawaii Public Utilities Commission
Fred Redell, Energy Commissioner, Office of Economic Development, County of Maui