

10th HAWAII ENERGY CONFERENCE + EXHIBITION

May 24-25, 2023 | Maui Arts & Cultural Center



Presented by  maueconomic DEVELOPMENT BOARD

THE 2023 HAWAII ENERGY CONFERENCE – BACK AT THE MACC

We have so much to talk about! Join us for 2023 to celebrate the 10th anniversary of the Hawaii Energy Conference. Finally, back live and in person at the Maui Arts & Cultural Center May 24-25, 2023.

- Is getting to 100 % Renewables still desirable, still doable, still worth the price?
- How can we get clean energy projects permitted, interconnected, and operational in a reasonable period of time?
- What is the next step in our efforts toward decarbonized energy, and what role does hydrogen play?
- What are the energy related priorities of the Hawai'i Legislature and the Governor?
- What is Energy Equity and how do we achieve it in the pursuit of state energy goals such as 100% renewables and net-zero greenhouse gas emissions?
- ...and more!

REGISTER TODAY!

WEDNESDAY, MAY 24

7:00 AM **REGISTRATION**

CONTINENTAL BREAKFAST | SPONSORED BY HAWAII ENERGY | FOUNDERS COURTYARD

8:00 **CULTURAL OPENING | CASTLE THEATER**

Luana Kawaa, Kumu Hula and Creator of Morning Mana'ō

E KOMO MAI (WELCOME)

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

8:30 **OPENING KEYNOTE**

Introduction by **Jonathan Koehn**, Director, Climate Initiatives Department at City of Boulder



Daphne Frias
Youth Climate Justice Activist

9:15 **COFFEE BREAK AND EXHIBIT SESSION | SPONSORED BY AES | HNEI EXHIBIT HALL**

RELAX & RECHARGE AT THE ULUPONO INITIATIVE CHARGING LOUNGE | CASTLE LOBBY

9:45 **FOCUS AREA 1: COMMUNITY ENGAGEMENT AND EMPOWERMENT**

In Hawaii there is a long history of working together on important issues: **‘a’ohe hana nui ke alu ‘ia**. No task is too big when done together by all. Our first three panels explore the energy transition and ask if the process is working as hoped.

EMPOWERING RESIDENTS: COMMUNITY-ENGAGED APPROACHES TO RENEWABLE ENERGY

From Molokai’s recently approved community-based renewable energy project to a new “participatory budgeting” model to determine community benefits, Hawaii is attempting a new way of engagement.

Moderated by:

Murray Clay, President, Ulupono Initiative

Panelists:

Leilani Chow, Energy Program Manager, Sust’ainable Molokai

Mark Glick, Chief Energy Officer, Hawaii State Energy Office

Rebecca Dayhuff Matsushima, VP of Resource Procurement, Hawaiian Electric

Nicola Park, Director, Hawaii, Clearway Energy Group

10:45 **INVITED TALK | IDEAS FOR HOW MORE PEOPLE CAN BENEFIT FROM ENERGY EFFICIENCY AND SOLAR ENERGY**

Caroline Carl, Executive Director, Hawaii Energy

Robert “Rocky” Mould, Executive Director, Hawaii Solar Energy Association

11:00 **RECENT ACTIVITY IN THE HAWAII LEGISLATURE**

Join us as we catch up on the work of state legislators and ask if they have solutions to allow more participation by the community in energy decisions, or if they have answers to the high cost of electricity.

Moderated by:

Mark Glick, Chief Energy Officer, Hawaii State Energy Office

Panelists:

Senator Lynn DeCoite, Chair, Senate Committee on Energy, Economic Development, and Tourism, State of Hawaii

Representative Nicole Lowen, Chair, House Committee on Energy and Environmental Protection, State of Hawaii

11:45 **NETWORKING LUNCH | SPONSORED BY HAWAIIAN ELECTRIC | FOUNDERS COURTYARD**

EXHIBIT SESSION WITH DESSERTS SPONSORED BY AMERESCO/BRIGHT CANYON | HNEI EXHIBIT HALL

1:15 PM **COALITION BUILDING AND NEW IDEAS**

We can't just hope that the same forces that created today's problems will also fix them. Here are some of the new ideas from Hawaii and beyond.

Moderated by:

Jonathan Koehn, Director of the City of Boulder Climate Initiatives Department

Panelists:

Forest Frizzell, Co-Founder & CEO, Shifted Energy

Dawn Lippert, Founder & CEO, Elemental Excelsior

Stephany Vaioleti, Community Engagement Navigator, Hawaii Energy

2:15 **INVITED TALK | LOCAL WORKFORCE NEEDS**

Danielle Irwin, President, Makaha Learning Center

Damien Kim, Business Manager/Financial Secretary, Business Manager/Financial Secretary,
International Brotherhood Electrical Workers (IBEW) Local 1186

2:30 **FOCUS AREA 2: ARE WE MOVING FAST ENOUGH?**

Islands and other areas subject to extreme weather events need more resilient energy systems. Is progress too slow? Are the goals realistic?

PROJECT PERMITS: HOW ARE THEY AFFECTING HAWAII'S TRANSITION GOALS?

If meeting Hawaii's future energy goals require a combination of utility scale energy projects and distributed energy resources on a residential scale, how does permitting help or hinder progress? What happens and who is impacted if Hawaii does not achieve its energy goals in the planned for and expected time?

Moderated by:

Jacqui Hoover, Chair, Conference Program Committee; Executive Director and COO Hawaii Island Economic Development Board (HIEDB); and President Hawaii Leeward Planning

Panelists:

Kathleen Aoki, Director of Planning, County of Maui

Gary Huffman, Senior Client Relations Manager, Burns & McDonnell Engineering

Zendo Kern, Director of Planning, County of Hawai'i

Mahina Martin, Chief of Communications and Public Affairs, County of Maui Office of the Mayor

Jordan Molina, Director of Public Works, County of Maui

3:30 **COFFEE BREAK | SPONSORED BY PAR HAWAII | HNEI EXHIBIT HALL**

4:00 **WHAT DOES THE DATA SAY?**

There are several different "100%" goals involving Renewable Energy, Carbon, and sustainability. Are we on track to meet them? Are we focused on the right things?

Moderated by:

Celeste Connors, Executive Director, Hawaii Green Growth

Panelists:

Greg Gaug, Senior Vice President, Investments & Analytics, Ulupono

Shelee Kimura, President & CEO, Hawaiian Electric

Mahina Paishon-Duarte, Co-Founder and Executive Officer/Managing Partner, Waiwai Collective

5:00-6:30 PM **NETWORKING RECEPTION | SPONSORED BY JOHNSON CONTROLS | HNEI EXHIBIT HALL**

THURSDAY, MAY 25

7:00 AM **REGISTRATION**

CONTINENTAL BREAKFAST | SPONSORED BY BROOKFIELD RENEWABLE US | FOUNDERS COURTYARD

8:00 **WELCOME TO DAY TWO | CASTLE THEATER**

8:15 **FEATURED TALK: SHARING OUR VISIONS, OPPORTUNITIES AND CHALLENGES IN THE ENERGY INDUSTRY**

Moderated by:

Jacqui Hoover, Chair, Conference Program Committee; Executive Director and COO Hawaii Island Economic Development Board (HIEDB); and President Hawaii Leeward Planning

Shelee Kimura, President & CEO, Hawaiian Electric

Alicia Moy, President & CEO, Hawaii Gas

8:45 **COFFEE BREAK AND EXHIBIT SESSION | SPONSORED BY BURNS & MCDONNELL | HNEI EXHIBIT HALL**

9:15 **FOCUS AREA 2: ARE WE MOVING FAST ENOUGH? (CONTINUED FROM DAY 1)**

Islands and other areas subject to extreme weather events need more resilient energy systems. Is progress too slow? Are the goals realistic?

DEVELOPERS' ROUNDTABLE

What does it take to develop and build utility-scale clean energy in Hawaii? This panel features the most successful developers of our state's largest wind and solar projects to date, discussing recent challenges and future opportunities. We'll discuss why Stage 1 projects were completed while many Stage 2 projects were derailed and look ahead at the future development of grid-scale solar and offshore wind.

Moderated by:

Wren Wescoatt, Director of Development, Hawaii Longroad Energy

Panelists:

D. Noelani Kalipi, EVP, Development for Aukahi Energy

Nicola Park, Director, Hawaii, Clearway Energy Group

Kirstin Punu, Project Origination, AES Clean Energy, Hawaii, The AES Corporation

10:15

INVITED TALK | ENERGY EQUITY DOCKET

Introduction by **Stephany Vaioleti**, Community Engagement Navigator, Hawaii Energy

Grace Relf, Chief of Policy and Research, Hawaii Public Utilities Commission

10:30

FOCUS AREA 3: NEW TOOLS AND TECHNOLOGIES

If we want different outcomes, we may need new tools.

USING H2 IN HI

Hydrogen is having a moment and there are many proposals on how to make, store, and use it in Hawaii.

Moderated by:

Julie Yunker, Director of Sustainability, Government and Community Affairs, Hawaii Gas

Panelists:

Ganesh Arumugam, Senior Materials Engineer, Oceanit

Mitch Ewan, Hydrogen Systems Program Manager, HNEI

Riley Saito, Energy Specialist, County of Hawaii

11:30

NETWORKING LUNCH | SPONSORED BY FRANKLINWH | FOUNDERS COURTYARD

EXHIBIT SESSION AND DESSERT | HNEI EXHIBIT HALL

BUILDING OUR CLEAN ENERGY FUTURE: WORKFORCE & EQUITY ROUNDTABLE *(SEPARATE REGISTRATION REQUIRED)* | HAYNES MEETING ROOM

1:00 PM

DECARBONIZATION PATHWAYS: HOW WILL HAWAII ACHIEVE ITS GOALS AND WHAT CAN WE LEARN FROM OTHERS

How can Hawaii's economy achieve a 50% reduction in greenhouse gas from 2005 levels by the end of this decade and net-zero emissions by 2045? Where will these reductions come from and what are the strategies of some of Hawaii's largest businesses to do their part? We will discuss an economywide decarbonization pathways analysis for Hawaii performed by E3, Hawaiian Airlines' strategy to reduce its carbon emissions, and the work that the Hawaii State Energy Office is conducting on behalf of the state to establish Hawaii's own pathway to net-zero carbon emissions.

Moderated by:

Colton Ching, Senior Vice President, Planning & Technology, Hawaiian Electric

Panelists:

Mark Glick, Chief Energy Officer, Hawaii State Energy Office

Alanna James, Managing Director of Sustainability Initiatives, Hawaiian Airlines

Amber Mahone, Managing Partner, Energy & Environmental Economics (E3)

2:00 **INVITED TALK | WHAT'S IN THE PIPELINE**

Joshua Kaakua, Program Officer, University of Hawaii Community Colleges System
Katie Taladay, Director of Education and Workforce Development, Maui Economic Development Board, Inc.
Leslie Wilkins, President and CEO, Maui Economic Development Board, Inc.

2:15 **RISK AND BENEFITS OF ENERGY STORAGE**

A look at the benefits of energy storage in three separate markets. In the residential market, what is the economic payback to the homeowner? For commercial and industrial applications, a review of the benefits of added storage. PLUS, a look at Kauai Island Cooperative's planned pumped storage hydro project in West Kauai. Panelists will also review certain risks associated with EVs, E-bikes, and other lithium-ion batteries.

Moderated by:

Doug McLeod, Member, DKK Energy Services, LLC

Panelists:

Ashley Henderson, Principal Program Manager, Stem

Joti Mangat, Chief Revenue Officer, Rising Sun

Brad Rockwell, COO, Kauai Island Utility Cooperative

3:15 **COFFEE BREAK | SPONSORED BY AUKAHI ENERGY | HNEI EXHIBIT HALL**

3:45 **WHAT'S UP WITH GEOTHERMAL?**

As technological advances open up new possibilities for utility-scale renewables, we are asking ourselves increasingly hard questions about balancing social justice, equity of impact, preservation of natural resources, and the global imperative for an urgent clean energy transformation. Geothermal energy is central to that conversation. What will the future look like, when we center the needs and aspirations of our communities at the core of our policy decisions?

Moderated by:

Maria Tome, Managing Director, Energy Efficiency and Renewable Energy, Hawaii State Energy Office

Panelists:

Na'alehu Anthony, Chief Executive Director, 'Oiwi TV; Principal of Paliku Documentary Films

Michael Kaleikini, Senior Director, Hawaii Affairs, Ormat

Nicole Lautze, Founder and Director, Hawaii Groundwater and Geothermal Resources Center; Professor, Hawaii Institute of Geophysics and Planetology

4:45 **CLOSING**

5:00-6:30 PM **WOMEN IN RENEWABLE ENERGY (WIRE) PAU HANA | FOUNDERS COURTYARD**

Network with women working in renewable energy. Live music, light appetizers provided, cash bar.

2023 PROGRAM COMMITTEE

Colton Ching | Senior Vice President, Planning & Technology, Hawaiian Electric

Celeste Connors | Executive Director, Hawaii Green Growth

Jacqui Hoover | Chair, Conference Program Committee; Executive Director and COO Hawaii Island Economic Development Board (HIEDB); and President Hawaii Leeward Planning

Jonathan Koehn | Director of the City of Boulder Climate Initiatives Department

Doug McLeod | Member, DKK Energy Services, LLC

Robert "Rocky" Mould | Executive Director, Hawaii Solar Energy Association

Maria Tome | Managing Director, Energy Efficiency and Renewable Energy, Hawaii State Energy Office

Stephany Vaioleti | Community Engagement Navigator, Hawaii Energy

Wren Wescoatt | Director of Development, Hawaii Longroad Energy

Jennifer Zelko-Schlueter | Director, Government and Community Relations, Hawaiian Electric