



2021 ELECTRIFY ALASKA! CONFERENCE

October 25-28, Cordova, Alaska

HOSTED BY: Cordova Electric Cooperative in partnership with Beneficial Electrification League, National Rural Electric Cooperative Association and the Natural Resources Defense Council.

LOCATION: The Cordova Center

MONDAY, OCTOBER 25

4:00-6:00 pm **Early Registration**

6:00 – 6:15 pm **Electrify Alaska! Conference Kick Off** (Theatre)

- **Clay Koplín**, Mayor of Cordova, Alaska (*confirmed*)
- Native Village of Eyak, Tribal Council (Leif)

Moderator: Clay Koplín, Mayor of Cordova, Alaska (confirmed)

6:15 - 6:45 pm **Speakers Panel: Why Electric?**

New electrical technologies have ushered in a new generation of affordable, commercial grade heating and transportation applications for customers and businesses. The renewable supply sources and storage of electricity including hydropower, wind power, solar power, and battery energy storage have become more affordable and commercially available. These opportunities pave the path to an affordable, clean, and sustainable Electric Future.

- What is Beneficial Electrification? (*video*)
- *SAFT, Gold Sponsor*
- *Dragos, Gold Sponsor*



Moderators: Keith Dennis, Board Chairman, Beneficial Electrification League (confirmed)

6:45-7:15 pm **Open Community Dialogue**

7:15 – 9:00 pm **Welcome Reception**
Featuring Ikumat Dancers Performance (confirmed)

TUESDAY, OCTOBER 26

8:00 – 9:00 am **Registration and Continental Breakfast**

9:00 - 9:45 am **Welcome Opening Keynote**

- U.S. Senator **Lisa Murkowski**, United States Senate, Alaska *(invited)*
- U.S. Senator **Dan Sullivan**, United State Senate, Alaska *(invited)*
- **Louise Stutes**, Alaska Speaker of the House *(invited)*

Moderator: Robert Venables, Executive Director, Southeast Conference (confirmed)

9:45 – 10:45 am **Speakers Panel: The Future is Electric!**

New electrical technologies have ushered in a new generation of affordable, commercial grade heating and transportation applications for customers and businesses. The renewable supply sources and storage of electricity including hydropower, wind power, solar power, and battery energy storage have become more affordable and commercially available. These opportunities pave the path to an affordable, clean, and sustainable Electric Future.

- **Benjamin Longstreth**, Senior Attorney, Climate and Clean Energy Program, Natural Resources Defense Council *(confirmed)*



- **Jennifer Garson**, Director, Water Power Technologies Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy (*invited*)
- **Neil Kermode**, Managing Director, The European Marine Energy Centre (EMEC) Limited (*invited*)
- **Robert Venables**, Executive Director, Southeast Conference (*confirmed*)

Moderators: **Robin Roy**, Beneficial Electrification League (*confirmed*)

10:45 – 11:00 am Networking Break

11:00 - Noon Speakers Panel: Beneficial Electrification – The Challenges and Opportunities

Some communities in Southeast Alaska have among the highest adoption rates in the U.S. for Electric Vehicles (EVs) and Air Source Heat Pumps. Electric boats are being constructed and operated in Southeast Alaska as well. In other Alaskan coast communities with similar climates and opportunities, adoption rates have been low and strong interest in electrical maritime and aviation options have not resulted in deployments. This panel seeks to identify the opportunities and barriers to accelerating the adoption of beneficial electrical opportunities.

- **Philip Rutkowski**, VP BESS, North America, SAFT (*confirmed*)
- **Alec Mesdag**, V.P., Director of Energy Service at Alaska Electric Light and Power, Juneau, Alaska (*invited*)
- **Rob Roys**, Deployment Director, Launch Alaska (*tentative*)
- Cold Climate Housing Research Center

Moderator: **Gwen Holdmann**, Director, Alaska Center for Energy and Power (ACEP) (*invited*)



Noon - 1:00 pm Lunch

1:00 - 2:30 pm Networking Breakouts

- **Beneficial Electrification**
Moderator: Keith Dennis, Vice President, National Rural Electric Cooperative Association (confirmed)
- **Electric Vehicles, Ships and Planes**
Moderator:

2:30 - 3:00 pm Networking Break

3:00 - 4:30 pm **Speakers Panel: Blue Economy**

The State of Alaska has most of the coast line in the United States and extensive seafood catching, processing, and shipment infrastructure which is largely underutilized. Prince William Sound has the fastest growth rate of new Aquaculture and Mariculture farm permit applications. This panel discusses the many opportunities for the energy and ocean economy nexus and opportunities for both a Green and Blue future.

- **Craig Fleener**, CEO of Alaska Tribal Broadband
(confirmed)
- **Tommy Sheridan** *(confirmed)*
- Speaker 3
- Speaker 4

Moderator:

4:30 - 5:00 pm Closing Session: Day One Wrap Up

6:00 - 8:00 pm Conference Dinner

WEDNESDAY, OCTOBER 27



8:00 – 9:00 am Continental breakfast

9:00 - 9:10 am Electrify Alaska! Conference Day 2 Kick Off
Clay Koplin, Chief Executive Officer, Cordova Electric Cooperative (*confirmed*)

9:10 - 10:30 am Speakers Panel: Electric Vehicles and Storage

Electric Vehicles and charging infrastructure are rapidly expanding in some regions of Alaska and more slowly in others. New smart and fast charging options create opportunities to better manage Electric Vehicles on our grids and this panels discusses these new developments.

- **Michelle Wilber**, Research Engineer, Alaska Center for Energy and Power (*confirmed*)
- **Ajay N. Kasarabada**, P.E., Services Project Director – Global Distributed Energy, Power, Black & Veatch (*confirmed*)

Moderator:

10:30 - 10:45 am Networking Break

10:45 - Noon Speakers Panel: Electric Ships

Many other countries and states have started to adopt hybrid or all-electric boat and ship designs. Right here in Alaska the first of the all-electric boats are already serving coastal communities. This panel showcases electric boats already in the water in Alaska and frames the path to the future for electrified boating.

- Speaker 1
- Speaker 2
- Speaker 3

Moderator:



Noon - 1:00 pm Lunch

1:00 – 2:30 pm Speakers Panel: Electric Planes

Alaska is an aviation pioneering state, and Cordova was an early aviation pioneering community. This panel will discuss exciting new designs and developments in electric aviation that are providing the opportunity to get this new electric transportation platform off the ground!

- Speaker 1
- Speaker 2
- Speaker 3

Moderator: Douglas Johnson, Founder and CEO of Development Designs (confirmed)

2:30 - 3:00 pm Networking Break

3:00 - 4:30 pm Speakers Panel: Electric Air/Water/Ground Source Heat Pumps

While this panel discusses a technology that does not draw as much attention or excitement as other beneficial electrification opportunities, they can address what for many Alaskans is their largest energy bill: home heating. For the many communities that heat with fuel oil, new efficient options for using electricity to harvest ambient heat from air and water can dramatically reduce the cost while benefitting the environment.

- **Jim Rehfeldt**, Mechanical/Energy Engineer, Alaska Energy Engineering LLC. *(confirmed)*
- **Bob Deering**, Alaska Heat Smart *(invited)*
- Speaker 3

Moderator: Rob Bensin, Senior Research Engineer, Alaska Center for Energy and Power (ACEP) (confirmed)



4:30 - 5:00 pm **Closing Session: Day Two Wrap Up**

6:00 - 8:00 pm **Conference Banquet**
Keynote Speaker: Platinum Sponsor

THURSDAY, OCTOBER 28

8:00 – 9:00 am **Continental breakfast**

9:00 - 9:10 am **Electrify Alaska! Conference Day 3 Kick Off**
Clay Koplín, Chief Executive Officer, Cordova Electric Cooperative (*confirmed*)

9:10 - 10:15 am **Networking Breakouts**

Electric Air/Water/Ground Source Heat Pumps

Moderator: Bob Deering, Alaska Heat Smart (Kristina)

Blue Economy

Moderator: Tommy Sheridan (confirmed)

10:15 - 10:30 am **Networking Break**

10:30 - Noon **Closing Conference Session: Mayors Roundtable**

This panel will share a holistic view of how beneficial electrification can result in safer, more secure, and more affordable communities. Hear from these mayors how their goals for electrifying their communities will positively impact quality of life.

- Clay Koplín, Mayor of Cordova, Alaska (*confirmed*)
- **Asthildur Sturludottir**, Mayor of Akureyri, Iceland (*invited*)



- Mayor of Lapland
- Mayor from Tromso
- Mayor from Greenland
- Mayor from Sitka

Moderator:

Noon - 1:00 pm Lunch

- 1:00 – 3:00 pm Electrify Alaska! Conference Tours**
- **CEC Battery Energy Storage Project (BESS) Tour**
 - **Power Creek Hydroelectric Project Tour**