



# ELECTRIFY ALASKA! VIRTUAL CONFERENCE

November 16-18, 2020, Virtual, 7:00-11:00am (AKST)

**HOSTED BY:** Cordova Electric Cooperative in partnership with the Energy Storage Research Program, Office of Electricity, U.S. Department of Energy; Beneficial Electrification League; National Rural Electric Cooperative Association; and the Natural Resources Defense Council.

## MONDAY, NOVEMBER 16

**7:00 –7:15 am**

### **Electrify Alaska! Conference Kick Off**

- **Pam Smith**, Native Village of Eyak, Tribal Council
- **Clay Koplín**, Chief Executive Officer, Cordova Electric Cooperative

*Moderator: **Clay Koplín**, Chief Executive Officer, Cordova Electric Cooperative*

**7:15 - 7:55 am**

### **Welcome Opening Keynote**

- **U.S. Senator Lisa Murkowski**, Chairman, Senate Energy and Natural Resources Committee
- **Dr. Imre Gyuk**, Director, Energy Storage Research, Office of Electricity, U.S. Department of Energy

*Moderator: **Clay Koplín**, Chief Executive Officer, Cordova Electric Cooperative*



**8:00 – 9:00 am**

**Speakers Panel: The Future is Electric!**

- What is Beneficial Electrification? (*video*)
- Powering the Blue Economy: Department of Energy and the Role of Energy Innovation, **Jennifer Garson**, Senior Advisor, Water Power Technologies Office, Office of Energy Efficiency and Renewable Energy, U.S. Department of Energy
- Electrifying Orkney – Lessons Learned from an Island Community, **Neil Kermode**, Managing Director, The European Marine Energy Centre (EMEC) Limited
- A Beneficial Future - Bringing Renewables Home, **Robert Venables**, Executive Director, Southeast Conference

*Moderator: **Robin Roy**, Beneficial Electrification League*

**9:00 – 9:15 am**

**Recharge break**

Please relax, take your time, check your email, or simply do nothing, have a cup of coffee and step outside for fresh air. We will see you soon!

**9:15 – 9:55 am**

**Beneficial Electrification – The Challenges and Opportunities**

- Empowering Our New Facilities Science Center, **Katrina Hoffman**, President and CEO, Prince William Sound Science Center
- **Alec Mesdag**, V.P., Director of Energy Service at Alaska Electric Light and Power, Juneau, Alaska
- The role of Storage in Beneficial Electrification, **Rob Roys**, Deployment Director, Launch Alaska

*Moderator: **Keith Dennis**, Vice President, National Rural Electric Cooperative Association*



**NRECA**  
America's Electric Cooperatives

## 10:00 – 11:00 am **Networking Breakouts**

In-person Conference attendance is very important for the networking opportunities, but just because we are not going to be together in Cordova, Alaska, doesn't mean we can't connect face-to-face in small groups! Please select Networking Breakout topic and join the conversation! You will be able to ask questions in real time!

- **Beneficial Electrification**  
*Moderator: Keith Dennis, Vice President, National Rural Electric Cooperative Association*
- **Electric Vehicles, ships and planes**  
*Moderator: Gwen Holdmann, Director, Alaska Center for Energy and Power (ACEP)*
- **Electric Air/Water/Ground Source Heat Pumps**  
*Moderator: Rob Bensin, Senior Research Engineer, Alaska Center for Energy and Power (ACEP)*

## TUESDAY, NOVEMBER 17

**7:00 - 7:10 am**      **Electrify Alaska! Conference Day 2 Kick Off**  
**Clay Koplín**, Chief Executive Officer, Cordova Electric Cooperative

**7:10 -8:10 am**      **Electric Vehicles and Storage**

- Can Storage Help Support Vehicles Electrification?  
**Richard Fioravanti**, Director, Transportation Electrification, Quanta Technology, Sandia
- The Challenges and Research Opportunities for Electric Vehicles in Alaska, **Michelle Wilber**, Research Engineer, Alaska Center for Energy and Power



- The Alaskan Electric Vehicle Landscape, **Tim Leach**, Principal, SparkBox, LLC and Adjunct Faculty, Alaska Center for Energy and Power

*Moderator: Robert Venables, Executive Director, Southeast Conference*

**8:15 - 9:00 am**

### **Electric Ships**

- Electric Ships in Norway – Experiences and Future trends, **Bjarte Hoff**, Associate Professor, Department of Electrical Engineering, UIT The Arctic University of Norway
- Electric Vessels by Design, **Robert Varness**, President and General Manager, Tongass Rain Electric Cruise LLC, Juneau, Alaska

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

**9:00 – 9:15 am**

### **Recharge break**

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**9:15 – 10:00 am**

### **Electric Planes**

- Developing Electric Aircraft with Real Utility Today, **Kevin Noertker**, Co-founder and CEO of Ampaire
- Climate Adaptive Infrastructure and Electric Aviation, **Cynthia Jaggi**, Founding Partner and Director, Climate Adaptive Infrastructure
- Electric Aviation for Pilot Training and Air Mobility, **Tom Calgaard**, Bye Aerospace



*Moderator:* **Douglas Johnson**, Founder and CEO of Development Designs

**10:05 – 11:00**

### **Sponsors Spotlight**

Let's not miss out on face-to-face time with our Sponsors! This is a great opportunity for attendees to hear directly from the industry leaders about their latest products, services and/or initiatives. You will be able to ask questions in real time!

**Brad Tuffley**, Associate Client Account Manager, Black & Veatch Corporation

**Brendan McNicholas**, Renewable Energy Solutions, Mitsubishi

**Jake Good**, Vice President CoBank's Power, Energy & Utilities Division

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

## **WEDNESDAY, NOVEMBER 18**

**7:00 - 7:10 am**

### **Electrify Alaska! Conference Day 3**

**Clay Koplín**, Chief Executive Officer, Cordova Electric Cooperative

**7:10 -7:55 am**

### **Electric Air/Water/Ground Source Heat Pumps**

- Alaska Heat Pump Applications, **Jim Rehfeldt**, Mechanical/Energy Engineer, Alaska Energy Engineering LLC.
- Transforming Residential Heating to Heat Pumps at a Community Scale, **Bob Deering**, Alaska Heat Smart



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

**8:00-9:15 am**

**Closing Conference Session: Mayors Roundtable**

- **Clay Koplín**, Mayor of Cordova, Alaska
- **Asthildur Sturludottir**, Mayor of Akureyri, Iceland
- **Beth Weldon**, Mayor of Juneau, Alaska

*Moderator: **Crystal Enkvist**, Executive Director, Alaska Power Association*

**9:15 – 9:30 am**

**Recharge break**

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**9:30 – 11:00 am**

**Electrify Alaska! Conference Tours**

- **CEC Battery Energy Storage Project (BESS) Tour**  
*Moderator: **Clay Koplín**, Chief Executive Officer, Cordova Electric Cooperative*
- **Power Creek Hydroelectric Virtual Project**  
*Moderator: **Scott Newlun**, Manager of Generation and Distribution, Cordova Electric Cooperative*