



State of Idaho Strategic Energy Alliance Board of Directors Meeting

Date: Thursday, August 19, 2021

Time: 1:00 PM to 4:00 PM

Location: Virtual Meeting on GoToMeetings

Participants

ISEA Board Members

Todd Combs, Idaho National Laboratory – Chair
Paul Kjellander, Idaho Public Utilities Commission – Vice Chair
John Chatburn, Idaho Governor’s Office of Energy and Mineral Resources
Alan Prouty, J.R. Simplot Company
Jon Cox, Rocky Mountain Power
Jared Ellsworth, Idaho Power Company
Ron Whitney, Idaho Division of Building Safety
Collins Sprague, Avista
Will Hart, Idaho Consumer-Owned Utilities Association
Lori Blattner, Intermountain Gas
Greg Green, Micron
Suzi Budge, SBS Associates
Bear Prairie, Idaho Falls Power

Others

John Smart, Idaho National Laboratory
Ning Kang, Idaho National Laboratory
Eric Dufek, Idaho National Laboratory
John Revier, Idaho National Laboratory
Jim Yost, Northwest Power and Conservation Council
Courtney White, Sierra Club
Mike Heckler, Idaho Clean Energy Association
George Lynch, Idaho Governor’s Office of Energy and Mineral Resources
Marissa Warren, Idaho Governor’s Office of Energy and Mineral Resources
Veronika Vazhnik, Idaho Governor’s Office of Energy and Mineral Resources
Emily Her, Idaho Governor’s Office of Energy and Mineral Resources
Kieran Sprague, Idaho Governor’s Office of Energy and Mineral Resources

Meeting Agenda

Welcome/Introductions – Todd Combs

Approval of Board Meeting Minutes May 2021

- Board Meeting Minutes May 2021 approved.
 - Todd Combs moved to approve minutes. Ron Whitney seconded. Motion carried.

Overview of INL Energy Projects – Todd Combs

- This discussion was tabled and will be addressed at a future, in-person ISEA Board meeting.

Utility-Scale Storage Task Force Discussion – Todd Combs

Chair Combs introduced the Task Force Chair Dr. Eric Dufek, Energy Storage & Advanced Transportation Department Manager at Idaho National Laboratory, and the Task Force Staff Liaison Emily Her, Policy Analyst at the Idaho Governor’s Office of Energy and Mineral Resources. Chair Combs continued to review the list of current task force members.

Chair Combs then introduced the goals and objectives for the Utility-scale Storage Task Force.

Discuss Goals and Objectives - Prepare a Utility-Scale Storage Report

- Explain the current state of energy storage in Idaho
- Identify opportunities/challenges of utility-scale storage.
- Discuss cost effectiveness of utility-scale storage options.

Below is a bulleted list of the topics raised and comments made about those topics.

- PUC commented that it is worthwhile to review pumped hydroelectric energy storage and hydrogen.
- INL suggested that the hydrogen discussion should be high-level and review storage, generation and eventual use, and that the subject could fit into and should be addressed in each report.
- OEMR reminded members to email emily.her@oer.idaho.gov to suggest members or be added to the task force.

Reliability & Resiliency Task Force Discussion – Todd Combs

Chair Combs introduced the Task Force Chair Dr. Ning Kang, Power & Energy Systems Department Manager at Idaho National Laboratory, and the Task Force Staff Liaison Marissa Warren, Energy Program Manager at the Idaho Governor’s Office of Energy and Mineral Resources. Chair Combs continued to review the list of current task force members.

Chair Combs then introduced the goals and objectives for the Reliability & Resiliency Task Force.

Discuss Goals and Objectives:

- Review and Provide Input on the 2021 Idaho Energy Assurance Plan
- Prepare a Report on the Opportunities and Barriers to Enhance Energy Reliability & Resiliency in Idaho.

Below is a bulleted list of the topics raised and comments made about those topics.

- INL commented that they are working with Xcel and Exelon to develop integrated nuclear power plant and hydrogen production systems, providing storage and production as well as dispatching electricity to the grid.
- OEMR would like to see someone from Idaho Falls Power's organization on this task force.
- OEMR reminded members to email marissa.warren@oer.idaho.gov to suggest members or be added to a task force.

Alternative Fuel Transportation Task Force Discussion – Todd Combs

Chair Combs introduced the Task Force Chair John Smart, Mobility Systems Group Manager at Idaho National Laboratory, and the Task Force Staff Liaison Kieran Sprague, Policy Analyst at the Idaho Governor's Office of Energy and Mineral Resources. Chair Combs continued to review the list of current task force members.

Chair Combs then introduced the goals and objectives for the Alternative Fuel Transportation Task Force.

Discuss Goals and Objectives - *Prepare an Alt. Fuel Transportation Report*

- Identify financial, legal, physical, and regulatory barriers to adoption.
- Discuss existing collaborations working together on alternative fuel opportunities.
- Identify funding opportunities (public, private, etc.) that could be explored to increase adoption of those vehicles.

Below is a bulleted list of the topics raised and comments made about those topics.

- Rocky Mountain Power suggests adding a representative from ITD to the task force.
- Members discussed the audience for these reports, including the Idaho Legislature, the PUC, NGOs and the public.
- INL and Simplot discussed RNG in the PNW as a topic of interest and suggested making the report broad enough to cover entire alternative transportation fuels landscape.

Infrastructure Bill Discussion – Brianne Miller, Idaho National Laboratory

- Brianne provided an overview of the latest Senate Infrastructure Bill, the Infrastructure Investment and Jobs Act.
 - At least \$550B in infrastructure funds.
 - \$100s of millions for alternative charging and fueling infrastructure, grid modernization, regional hydrogen hubs, and more.
 - Mineral security and battery development is also included but unclear at this time.
 - There are several layers of standards being formed for electric vehicles.
 - Hydrogen:
 - INL proposed a western hydrogen frontier.
 - INL developed a partnership with Idaho Power to explore coupling hydropower plants and hydrogen production.

Public Comment Period

- No comments.

Wrap Up and Adjournment

- Commitments made during the meeting:
 - OEMR will continue to develop task force membership.
- Todd Combs concluded the meeting.