

Welcome to the 2021 JISEA Annual Meeting!

Sustainable Communities

15 April 2021

Introduction: Jill Engel-Cox, JISEA Director

Moderator: Megan Day, JISEA



@JISEA1

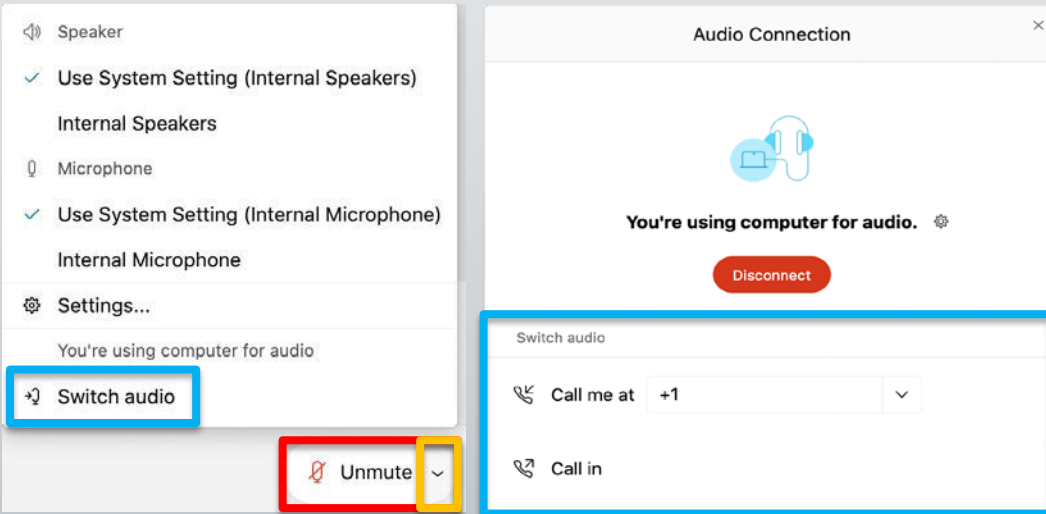
www.jisea.org



Housekeeping and WebEx Tips

To find or switch audio options:

1. Select carrot next to Mute/Unmute button
2. Select Switch Audio
3. WebEx will display your current audio option at the top
4. Other audio options displayed under “Switch audio”



To change view options:

1. Select layout button

Layout

2. Change to:

Grid – All videos shown

Stage – Speaker highlighted, other videos below

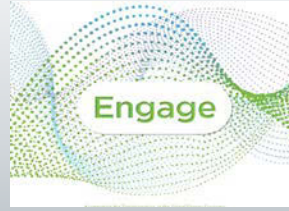
Focus – Only speaker video shown

Message Isabel McCan if any technical problems.

Housekeeping and WebEx Tips

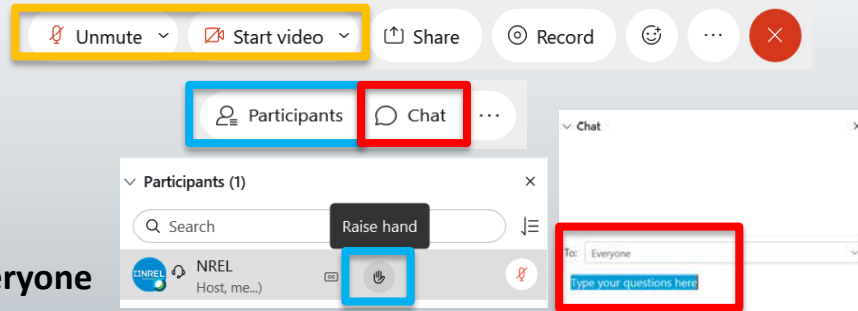
Engage!

- Answer polls
- Comment in the chat
- Ask questions



During the presentation(s):

- Stay muted
- Camera off
- If you have a question:
 - Raise your hand, or
 - Type it in the chat box to Everyone



Asking questions:

- Unmute
- Camera on



Overall Agenda: All Sessions 8:30-9:45 am MT

Monday, April 12: **Industrial Clean Energy**

At 1:00 pm MT: Interactive virtual campus tour

Tuesday, April 13: **Energy, Climate, and Air Pollution**

Wednesday, April 14: **Keynote Discussion: Energy Equity**

Thursday, April 15: **Sustainable Communities**

Friday, April 16: **Topic “Tables” Discussion with Experts**

All sessions include ~45-minute presentations and ~30-minute open questions & discussion.

Sustainable Communities



Sustainable Communities

means attention to people, profit, planet and just and equitable energy transitions

What are the community-level impacts and opportunities of clean energy transitions?

Focus communities:

- Rural communities
- Disadvantaged communities



Theme Summary: Sustainable Communities



Advance understanding of social, economic, environmental, and land use impacts of clean energy transition and map pathways for sustainable transitions at the community level, with focus on rural and disadvantaged communities

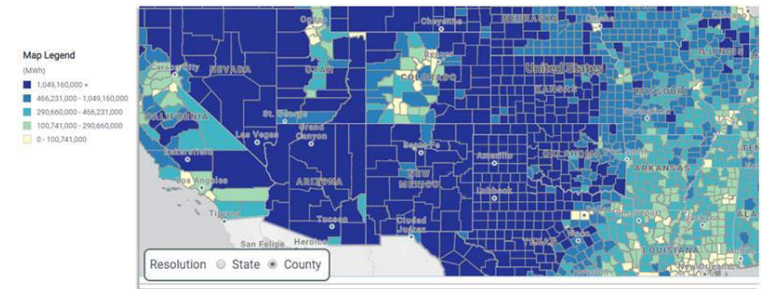
Lead PI: Megan Day

Importance to NREL: Scaling clean energy integration, electrifying economies, and transforming energy systems will have major impacts on land use, economies, people, and the environment. NREL is uniquely positioned to apply and integrate world-class modeling, visualization, and computation capabilities to sustainable communities' analysis. *NREL should lead quantitative analysis on impacts and opportunities associated with attaining subnational clean energy transformation and sustainability goals across multiple sectors.*

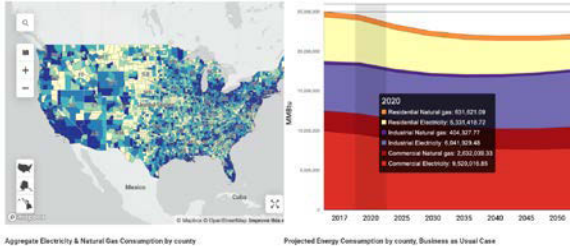
Success Metrics:

- Establish a Sustainable Communities Advisory Group of practitioners and researchers to serve as a community of practice and feedback mechanism
- Two publications of thought-leadership analysis
- Three collaborative proposals totaling >\$2 million with partners
- Establish new capabilities and staff

Aligns with Integrated Energy Pathways and Electrons to Molecules; Administration prioritization of climate and environmental justice; Contributes to potential new critical objective on sustainability.



Sustainable Communities Catalyzer Anchor Projects



State and Local Planning for Energy (SLOPE)

Supports data-driven clean energy planning by delivering jurisdictionally-resolved energy efficiency, renewable energy, and (soon) sustainable transportation data



The Los Angeles 100% Renewable Energy Study

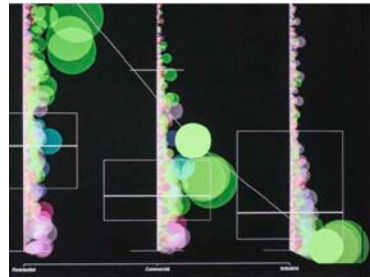
LA100

Los Angeles 100% Renewable Energy Study, including environmental justice, air quality, grid integration analysis



Low-Income Energy Affordability Data (LEAD) Tool

Energy burden, housing type, vintage, tenure data down to the census tract level



Accelerating Clean Energy @Scale (ACES)

Translating ambitious public- and private-sector clean energy goals into actionable implementation plans

Sustainable Communities

Theresa Worsham (City of Golden)

Derik Broekhoff (Stockholm Environment Institute)

Shelley Poticha (Natural Resources Defense Council)

*Moderator: **Megan Day** (JISEA/NREL)*



Thank you!

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 Joint Institute for
Strategic Energy Analysis



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