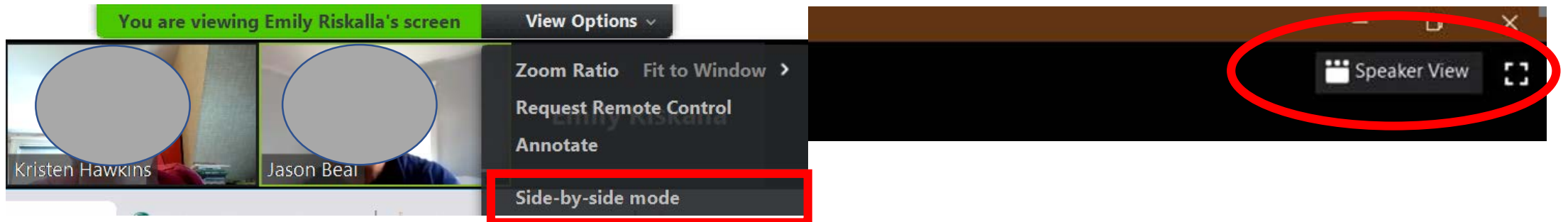


IDEA COVID-19 Working Group

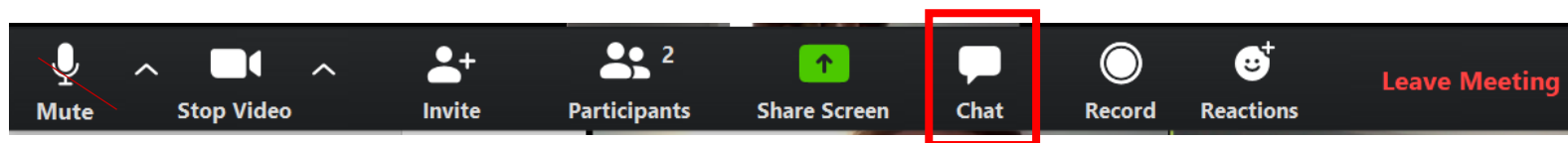
May 6, 2020

IDEA's COVID-19 Working Group

- **Audio has been muted for all participants.** Please remain muted until otherwise instructed to ensure the best sound quality for all participants.
- We recommend you optimize the view in Zoom for today's content by selecting "**Side-by-side mode**" view and then selecting "**Speaker**" view at the top of the right panel.

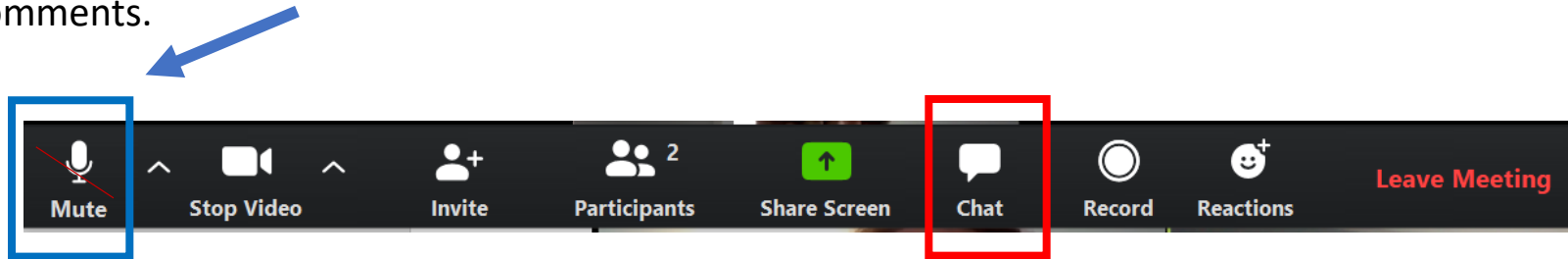


- Please send any comments or questions via "**Chat**" during the prepared remarks portion of our call. Presenters will respond at the conclusion of their remarks. The Chat icon can be found at bottom of your screen.



IDEA's COVID-19 Working Group

- When invited, please participate in our open discussion by clicking the microphone at the bottom of your screen to unmute yourself and share your insight. We strongly encourage you to re-mute your line after you have made your comments.



- If you are having problems with video or audio, please send a note via the Chat. Once open, select **“Chat privately to Kristen Hawkins(host)”**.
- The call will be recorded and made available to the public via download or streaming. Slides will be made available in pdf format at www.districtenergy.org.

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Agenda

- Welcome & Introductions
- Presentation - Crafting a Playbook for What Comes Next
 - Tactical steps to prepare to re-open buildings
- Expert Panel Discussion –
 - Managing building vacancy and reduced loads
 - Energy efficiency and budget impacts
 - Preparing for the “new normal” – staffing returns, density management and scenario planning
 - Silver Linings to COVID-19
- Open Discussion

Welcome & Introductions

- **Rob Thornton**, CEO, IDEA, Moderator
- **Pat Guccione**, Vice President – Special Projects, Chem-Aqua
- **Tyler Anderson**, Corporate Engineer, Chem-Aqua
- **Lalit Agarwal**, Director, Maintenance & Utility Services, University of Nebraska
- **Juan Ontiveros**, Associate Vice President for Utilities and Energy Management, UT Austin
- **Paul Zmick**, Senior Associate Director, Energy & Utilities, University of Virginia

Preparing to Reopen Buildings –

Pat Guccione & Tyler Anderson, Chem-Aqua

Managing Building Vacancy

- Maintaining equipment in vacant or partially vacated buildings – activating dormant fixtures, preventing cracked seals, and more
- Building system controls and monitoring conditions – relative humidity
- Quantifying reduction in load; energy savings
- End-use variations – healthcare facilities; residential
- Monitoring delta-T irregularities; occupancy
- Occupant comfort for occasional occupants
 - Potential return of some “non-essential” occupants
 - Move-Out procedures

Preparing for the New Normal

- Go / No Go decisions on students returning to campus for the fall
- Scenario planning – maintenance and operations considerations
- Impacts related to changing densities for buildings on campus; classroom schedules; occupant densities
- Re-set HVAC – 2X outside air; longer operating hours; 7 days?
- Operational modality – preparing for a potential COVID resurgence

Silver Linings from COVID-10

- Remote workers are proving to be deeply engaged – and they are bringing a new perspective to looking at systems (i.e. transformer loads)
- Deeper look at building optimization, modeling, operations
 - Building set-backs; weekend ops
- Energy savings opportunities uncovered

Open Discussion

IDEA Resources and Information Sharing

- [IDEA Connect](#) (Member Forum) – Q&A posting, information sharing
- [COVID19 Emergency Preparedness site](#)
 - Sharing written emergency preparedness plans?
 - Sharing “shelter in place” protocols
 - Inventory/PPE
 - HR and/or other business best practices
 - If sensitive, please provide redacted documents or in form to be edited

Email content to Jason.idea@districtenergy.org for posting

- Industry blog – headlines and updates

Thank you again to IDEA's Annual Sustaining Sponsors



Thank you

Questions? Contact IDEA at idea@districtenergy.org
www.districtenergy.org
+ 1-508-366-9339

Robert Thornton, CEO, IDEA, rob.idea@districtenergy.org

REMINDER

Next IDEA COVID-19 Working Group –
Wednesday, May 20, 1:30 pm ET