

## FSR Climate Annual Conference 2022 – 8<sup>th</sup> edition

Friday 2 December

*14:00-16:15 | Session – Energy transition*

**Presenter:** David RAPSON (UC Davis & Federal Reserve Bank of Dallas)

**Title:** *The Electric Ceiling: Limits & Costs of Full Electrification*

**Abstract:**

Electrification is a centerpiece of global decarbonization efforts. Yet there are reasons to be skeptical of the inevitability, or at least the optimal pace, of the transition. We discuss several under-appreciated costs of full, or even deep, electrification. Consumer preferences can operate in favor of and in opposition to electrification goals; and electrification is likely to encounter physical and economic obstacles when it reaches some as-yet-unknown level. While we readily acknowledge the external benefits of decarbonization, we also explore several under-appreciated external costs. The credibility and eventual success of decarbonization efforts is enhanced by foreseeing and ideally avoiding predictable but non-obvious costs of promising abatement pathways. Thus, even with all of its promise, the degree of electrification may ultimately reach a limit.

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Webpage and programme [here](#)