
ME 432: Decarbonising Discussion

2 September 2020

Agenda

- Introductions and Select a Spokesperson – 10 mins
 - Discussion Questions – 30 mins
 - Share out – 10 mins
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Introductions

- Your name and/or what you like to be called.
 - Where you call home.
 - Why you decided to take this class.
 - Tell us the most important thing to know about you.
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Discussion Questions

- Question 1. Saul Griffith argues that “All renewables, all the time” is the most strategic way to decarbonize our energy infrastructure.
 - On what time scale would this need to be accomplished, to meet the IPCC 1.5 C climate targets?
 - Do you think this technically possible? i.e., given sufficient attention and resources, could it be done?
 - What are some merits to “All renewables, all the time”? What are some challenges?
 - Question 2. Apart from electric cars, what else needs to be transformed to fully electrify? Think about the technologies that we use today. Amongst these, what will be easier and what will be more challenging to electrify?
 - Question 3. **Benevolent dictator for a day.** You’ve been tasked with coming up with a road map to decarbonizing the energy infrastructure of (pick one: Illinois, the US, another country, the world). Think about this as an engineering design problem. What strategy do you use?
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Share Out

- The spokesperson for each group will share with the rest of the class one interesting thing that came up during your discussion.
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