

From Potential to Practicality:

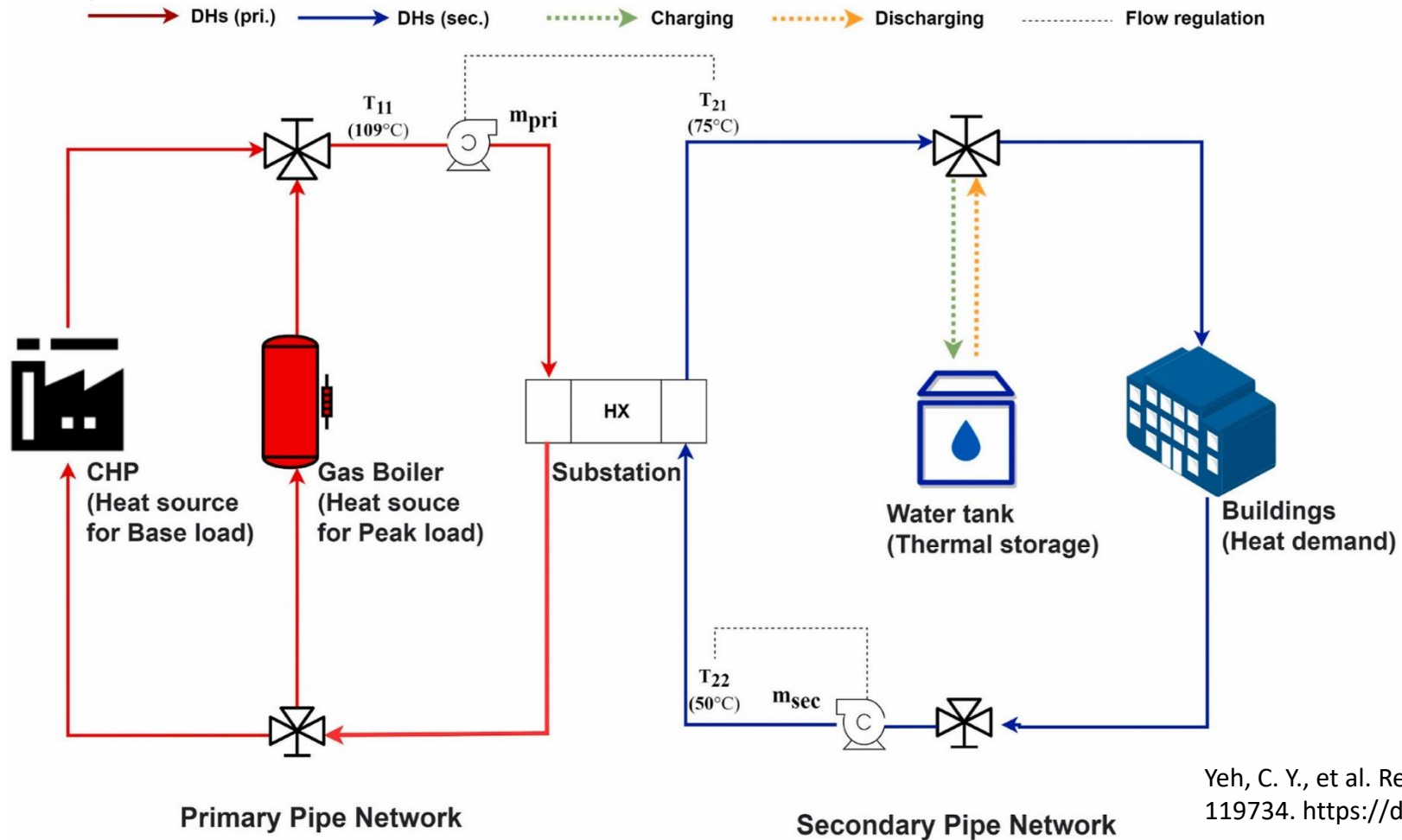
Feasibility and Barriers of Seasonal Thermal Energy Storage for Dutch District Heating

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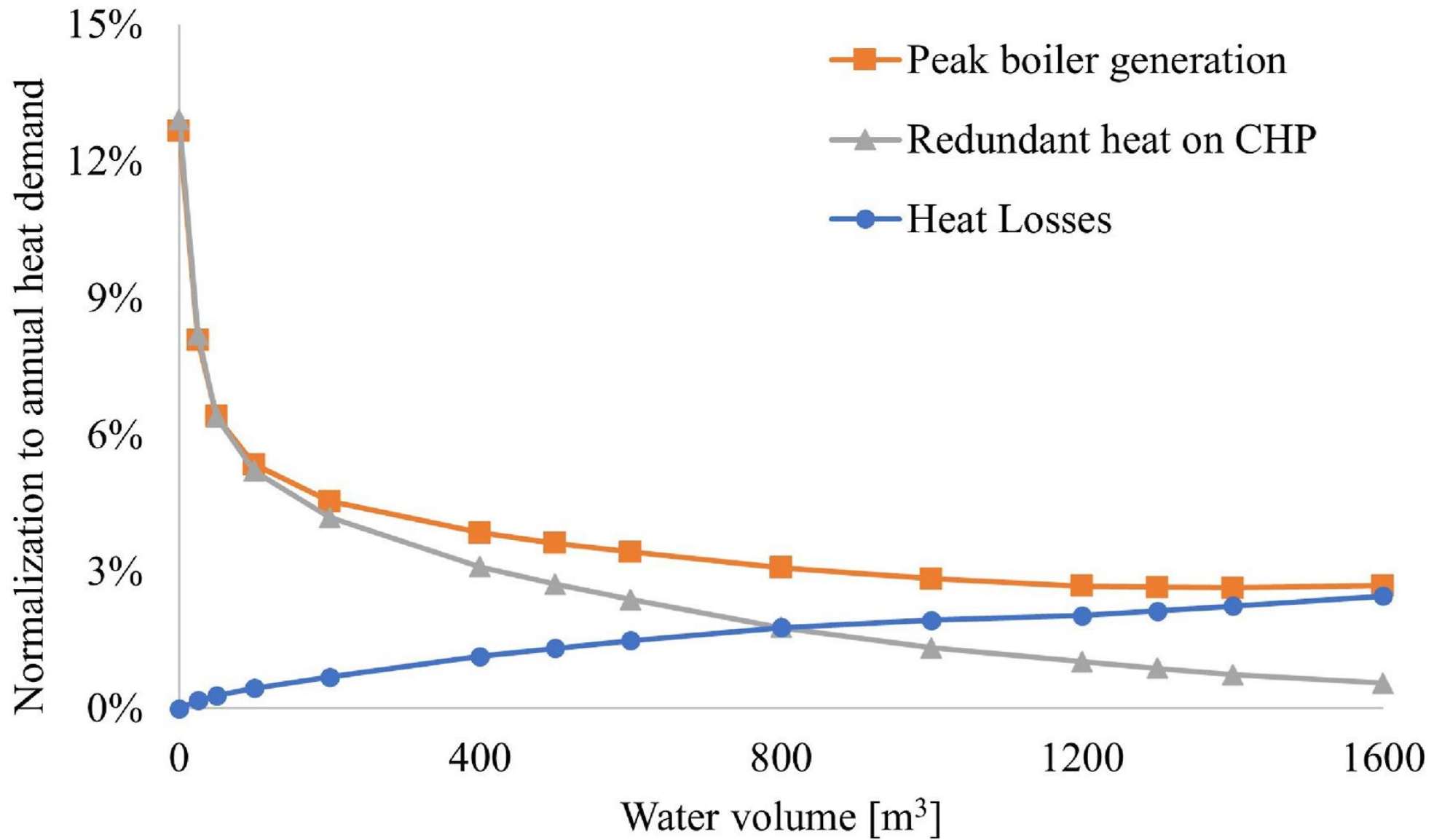


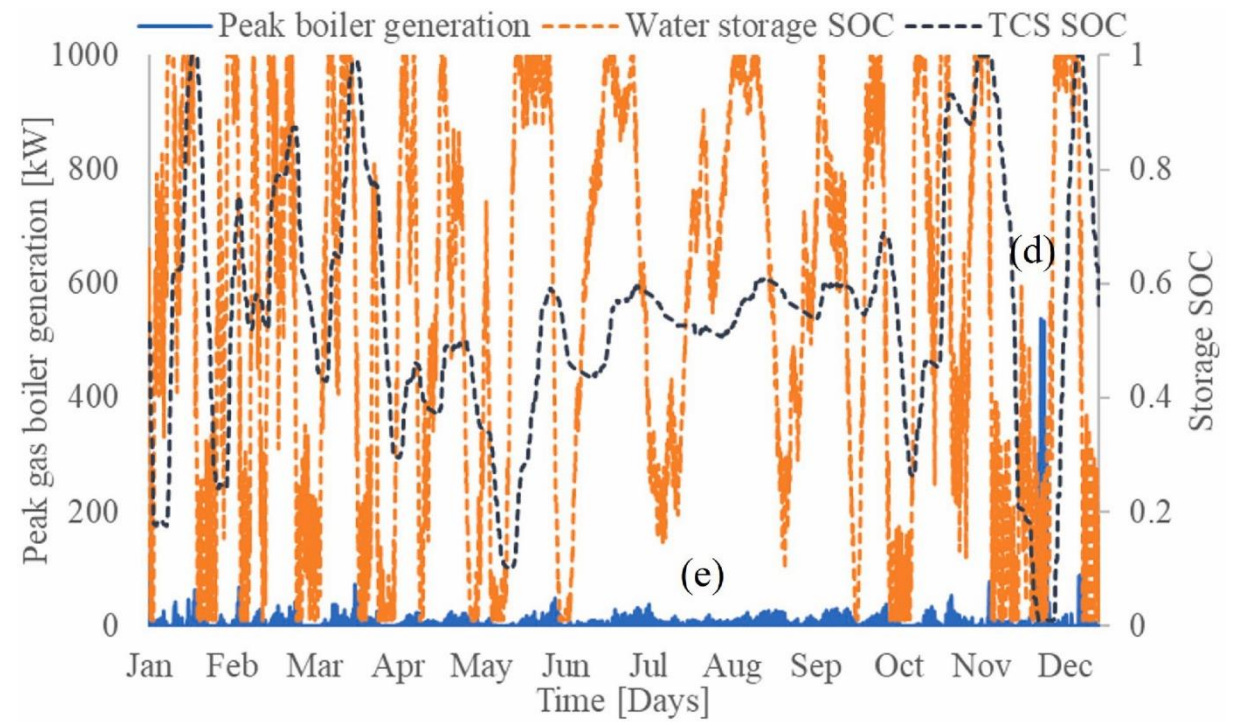
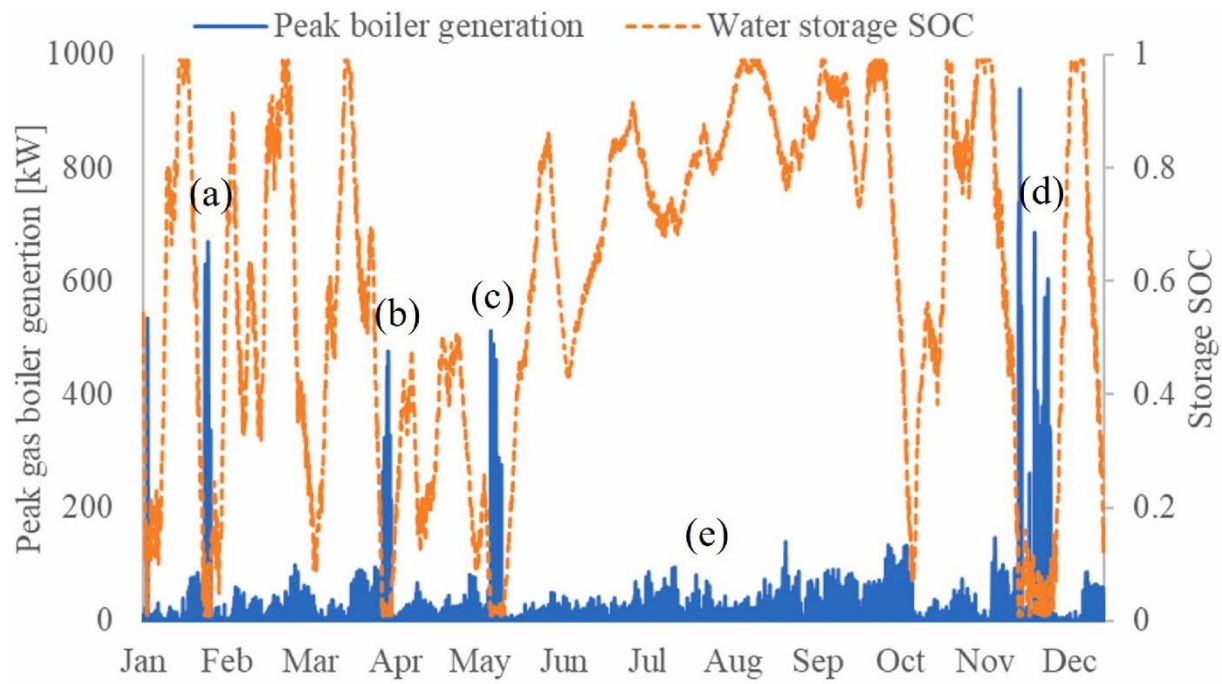
UNIVERSITY OF TWENTE.

Case study of District Heating Systems (DHs) in Enschede area

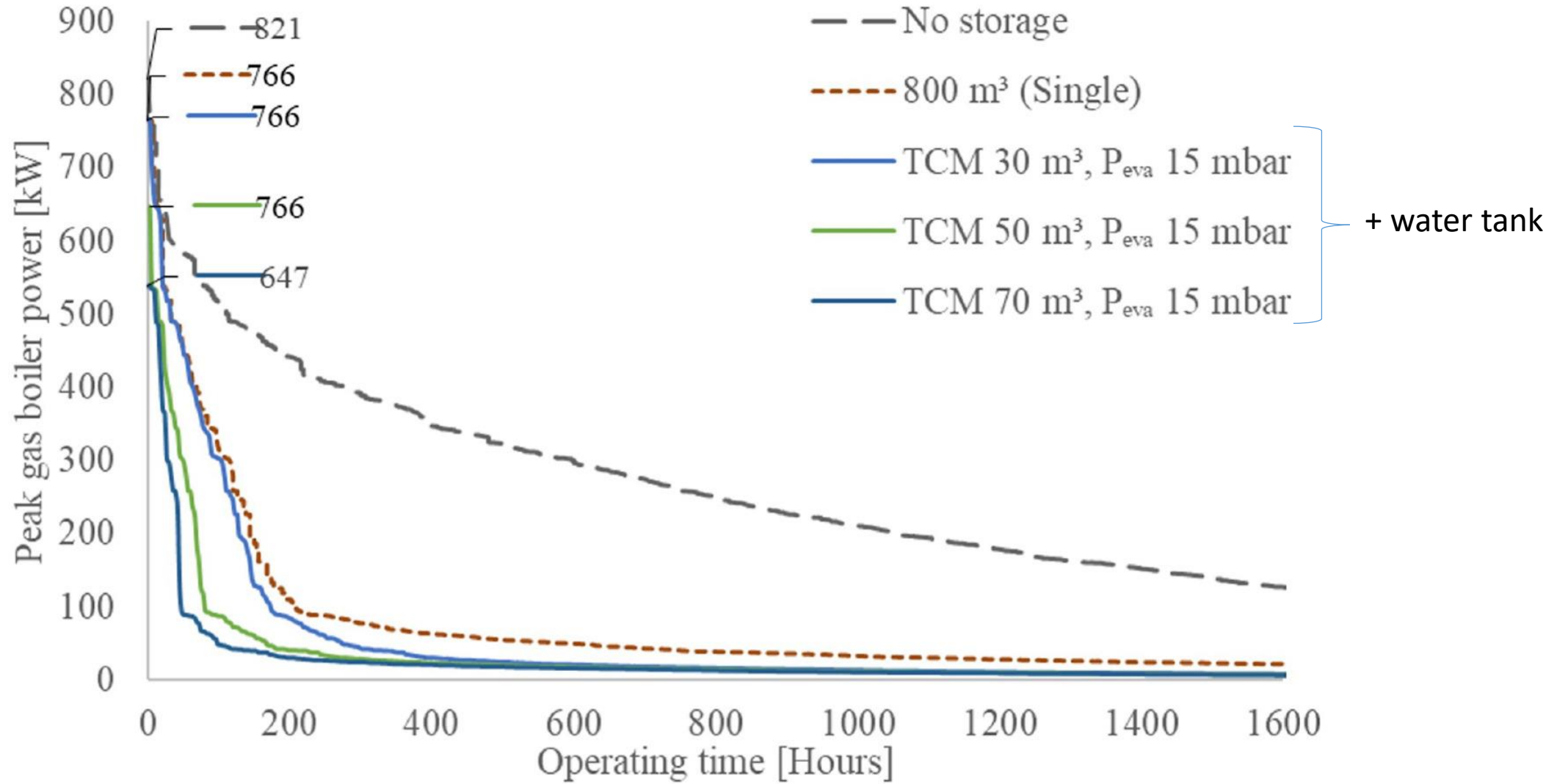


Yeh, C. Y., et al. Renewable energy, 221, Article 119734. <https://doi.org/10.1016/j.renene.2023.119734>

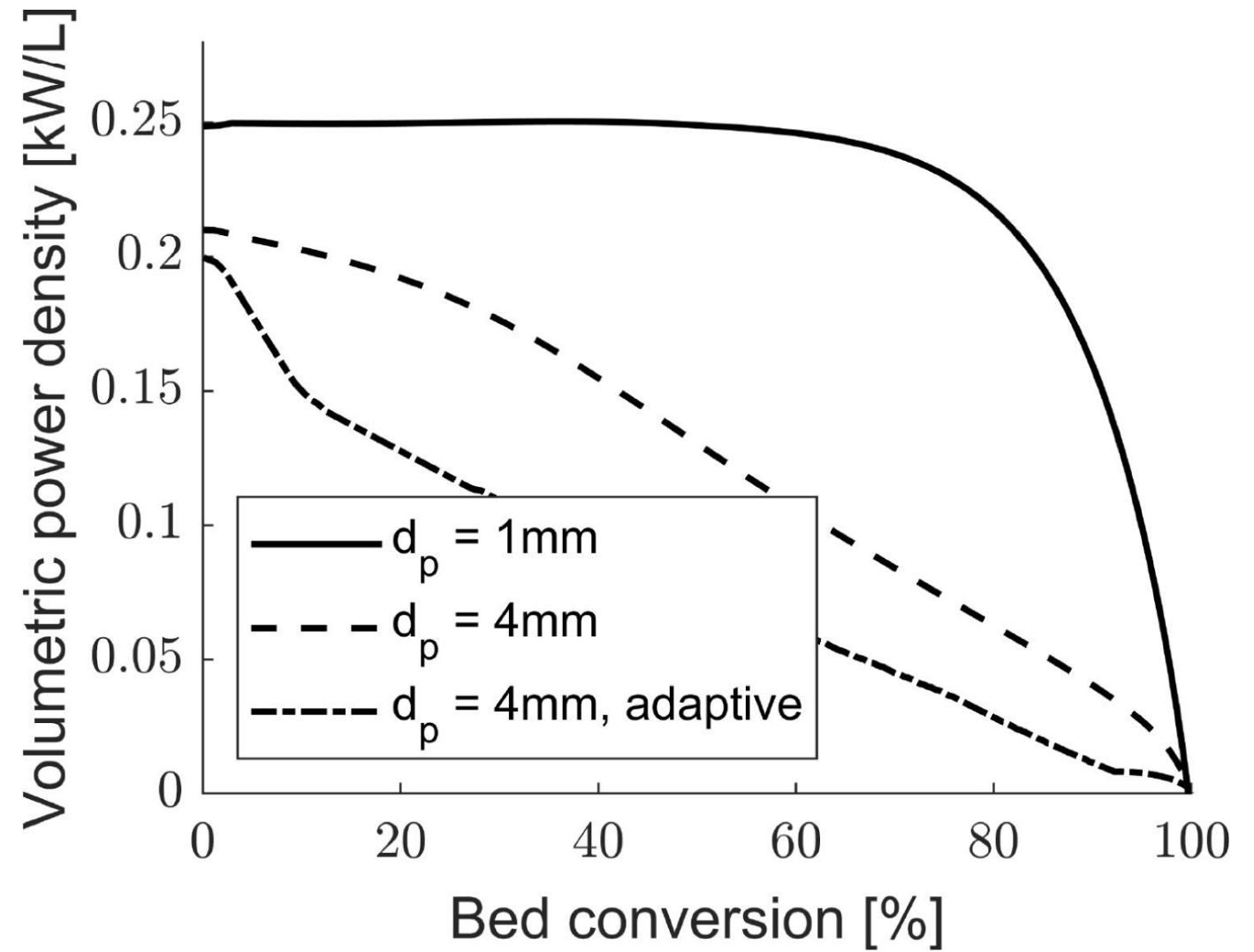
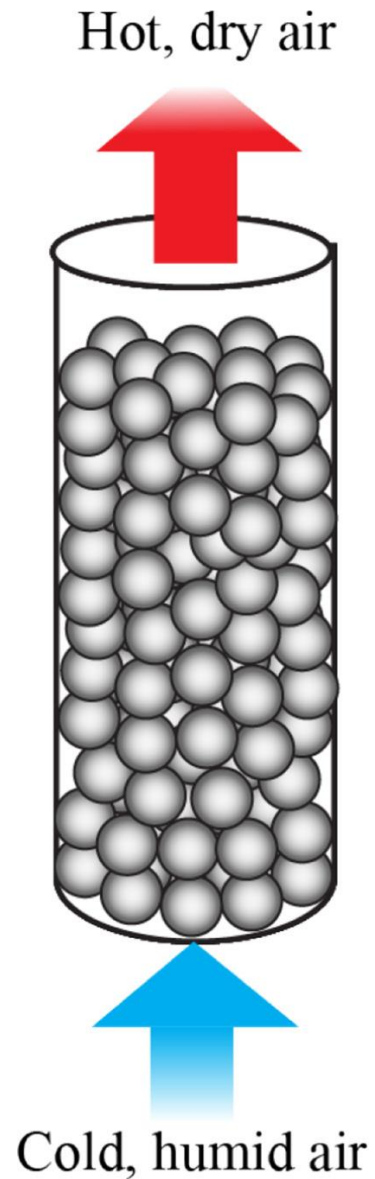




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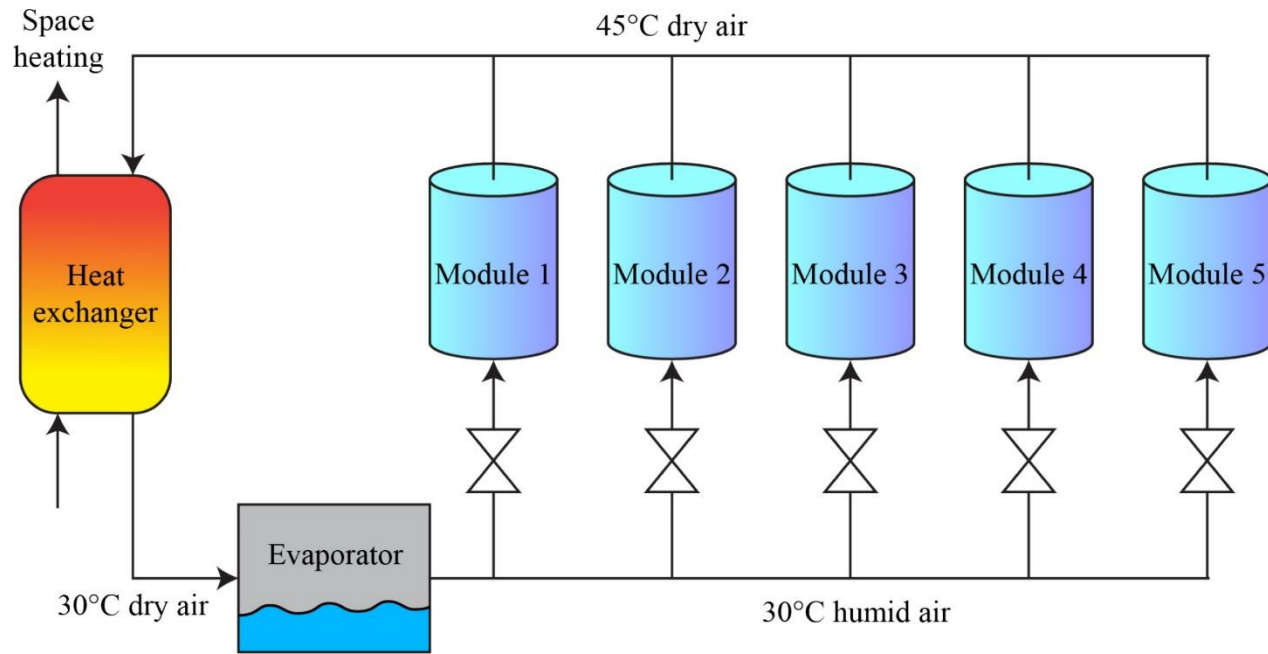


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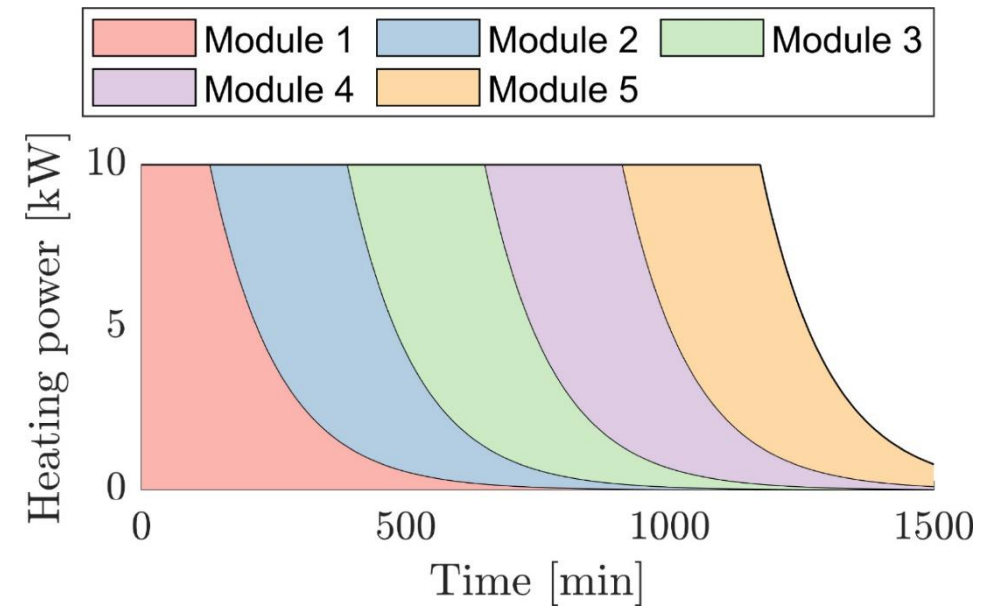


Kieskamp, B. et al. *Journal of Energy Storage*, 78, Article 110028.

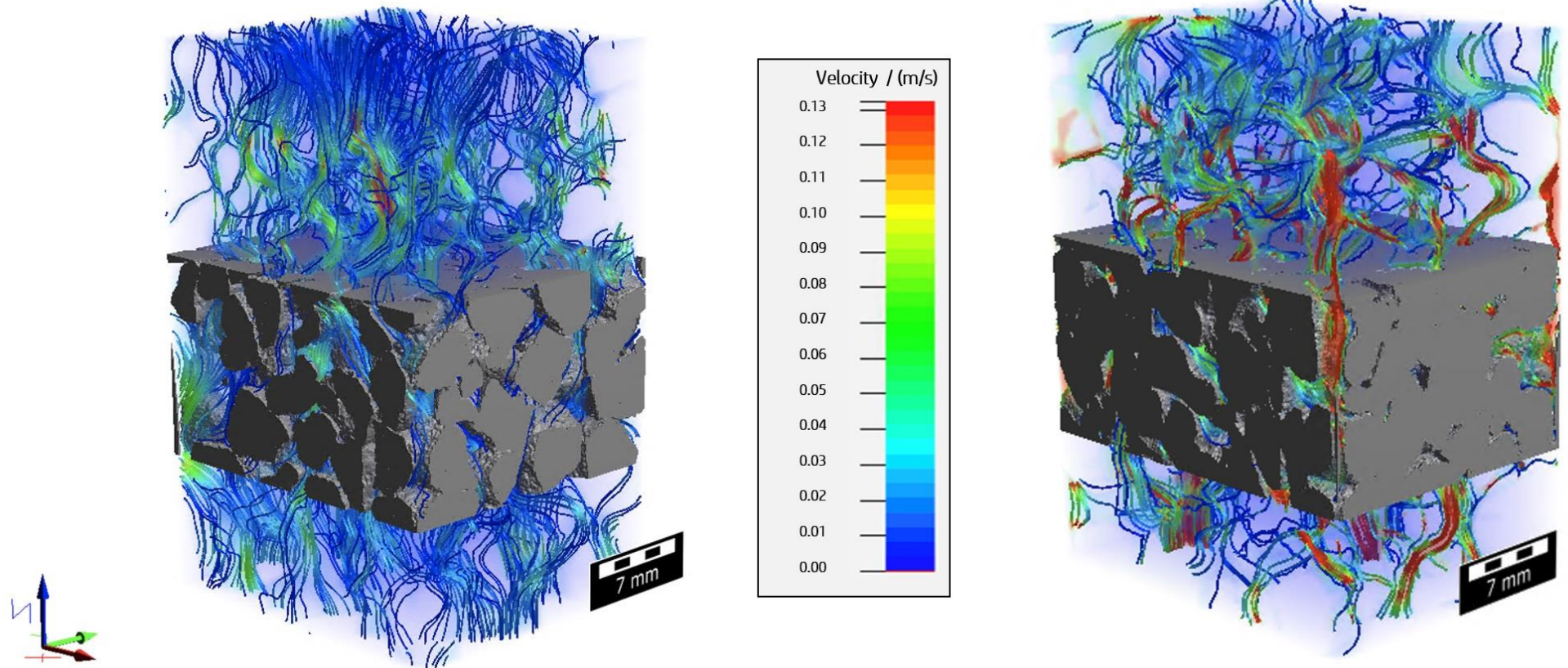
Process



Kieskamp, B. et al. *Journal of Energy Storage*, 78, Article 110028.



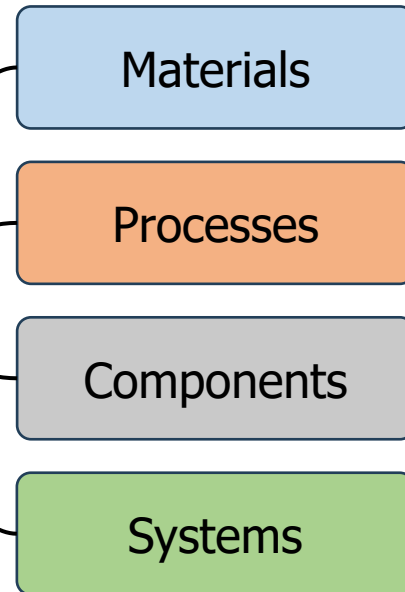
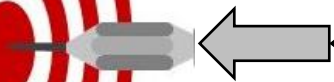
Component



Permeability	Uncycled Packed Bed	Cycled Packed Bed
K_{zz}	8.64	5.23

A. Arya et al. Journal of Nondestructive Evaluation
<https://doi.org/10.1007/s10921-024-01092-7>

Decarbonize
Heating and Cooling



Thank You!

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