

Times Quad Plots

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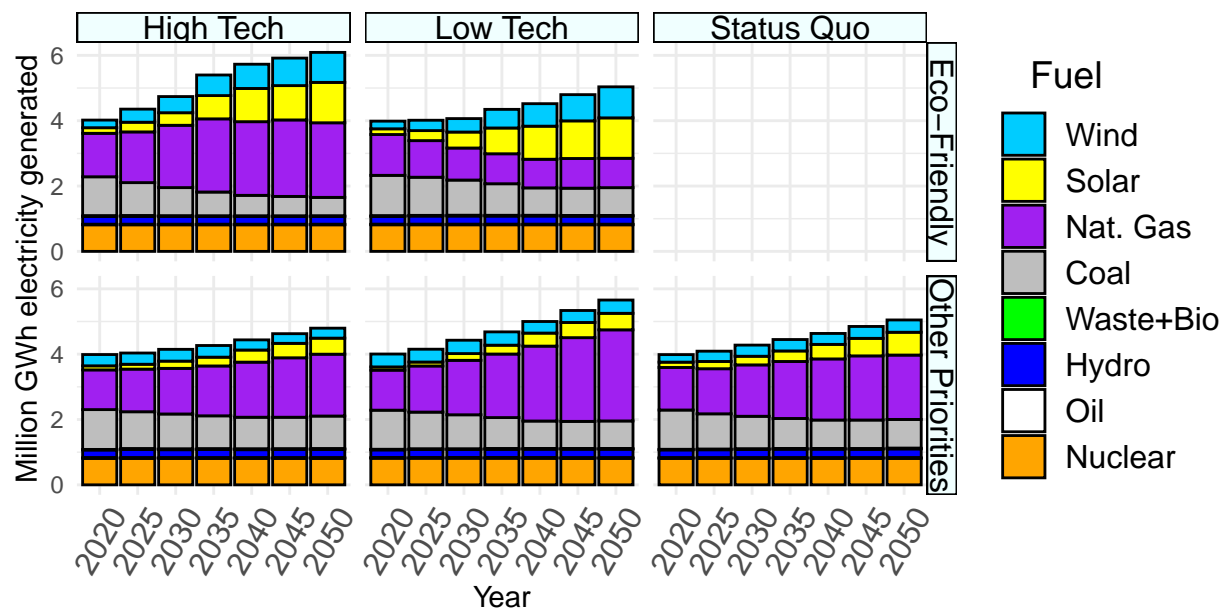
This code can be used as a quick post processor for runs using the four divergent scenarios. For more detail on the inception and implementation of the scenarios see:

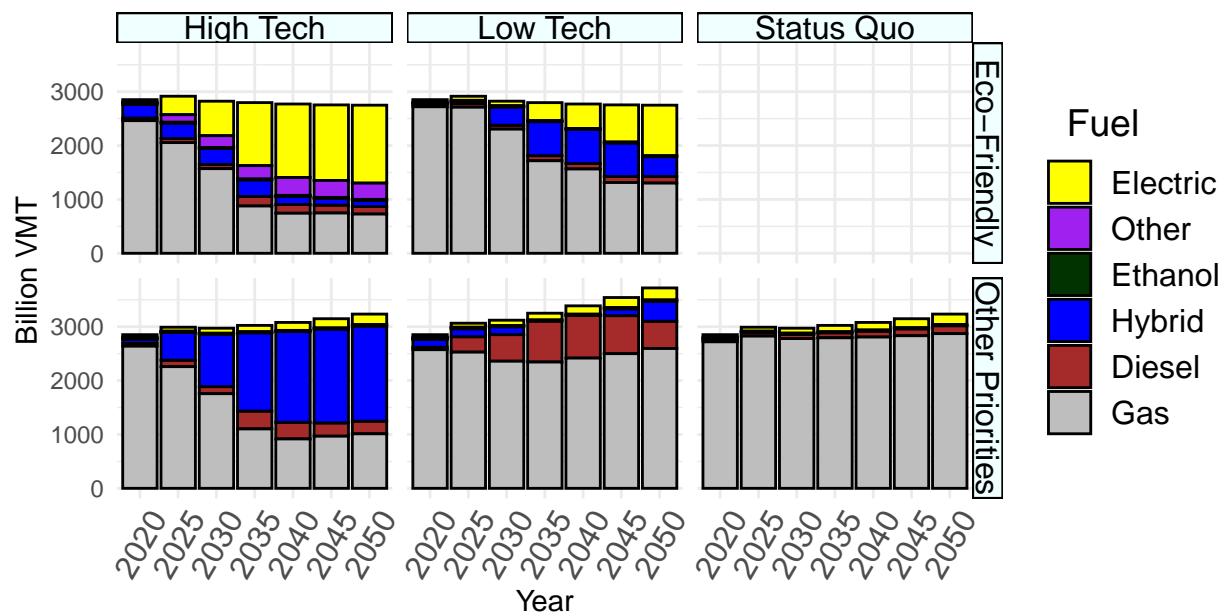
J Gamas, Dodder, Loughlin & Gage (2015) Role of future scenarios in understanding deep uncertainty in long-term air quality management, *Journal of the Air & Waste Management Association*, 65:11, 1327-1340, DOI: 10.1080/10962247.2015.1084783

KE Brown, Hottle, Bandyopadhyay, Babae, Dodder, Kaplan, Lenox, Loughlin. (2018) Evolution of the United States Energy System and Related Emissions under Varying Social and Technological Development Paradigms: Plausible Scenarios for Use in Robust Decision Making. *Environmental Science & Technology* 52:14, pages 8027-8038

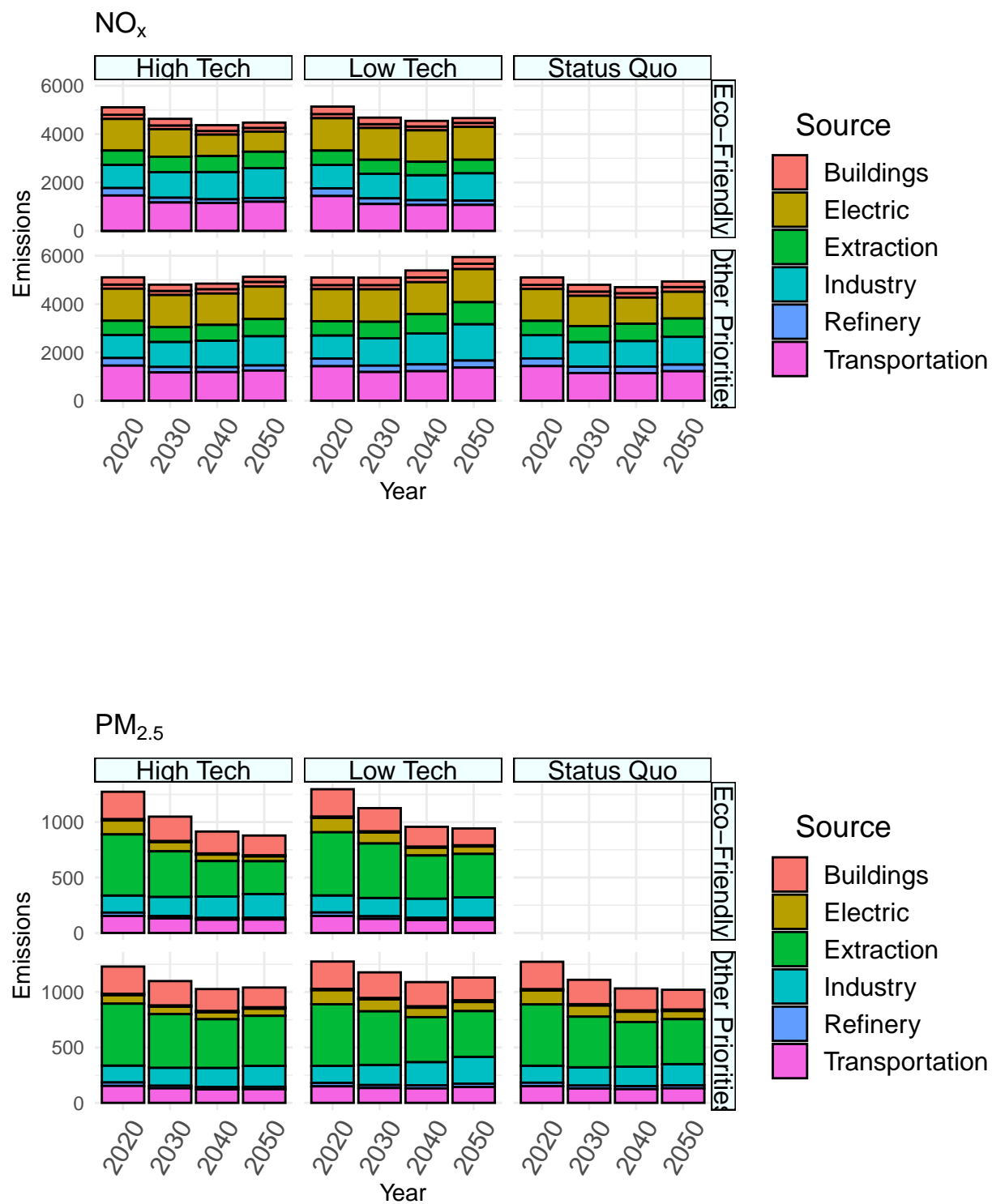
Usage guide

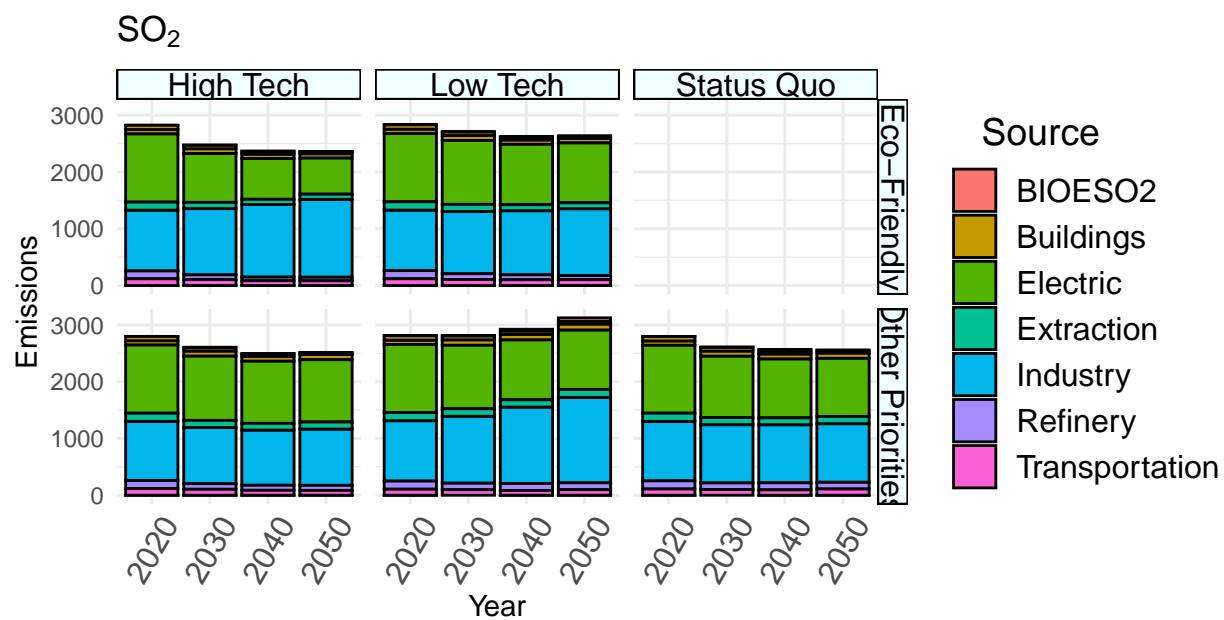
Import the results from each pathway. Here you'll need to add the location of the *.VD output files from your TIMES runs. This code is set up assuming that you have run the standard baseline and one of each of the other four cases. This could be run twice to produce output for each baseline and then each scenario under a tested policy or technology.



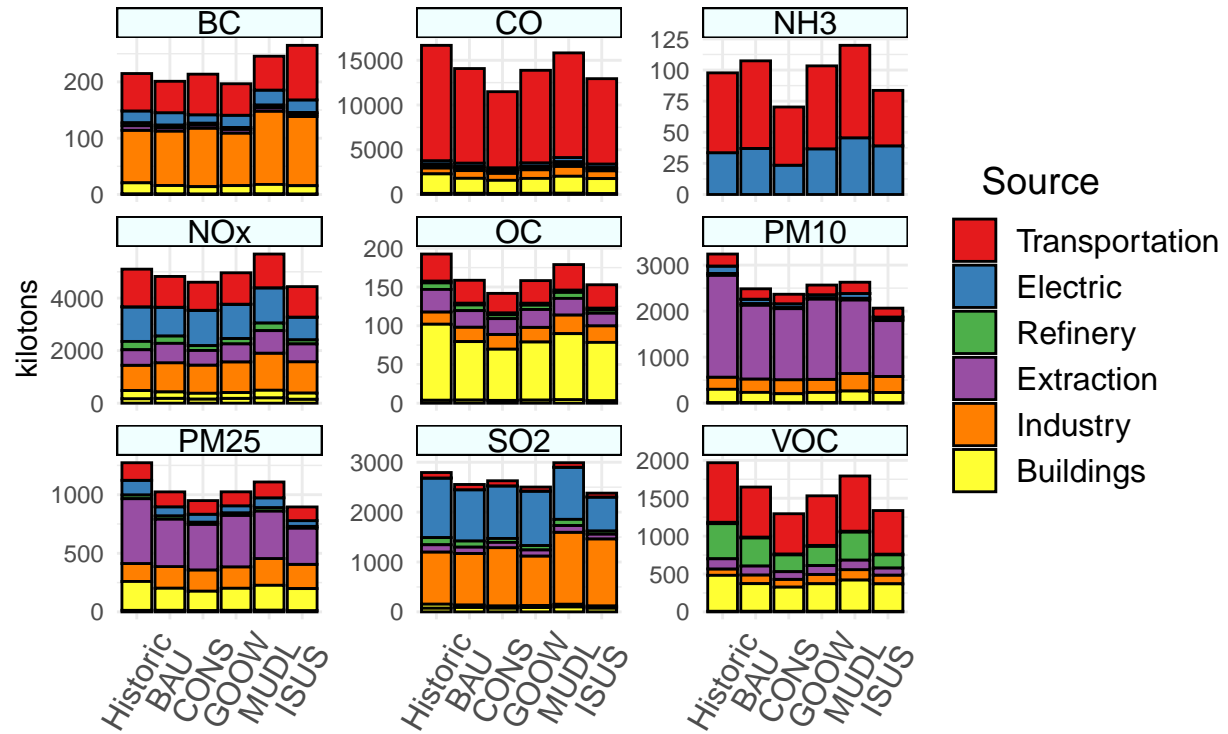


Emission Plots

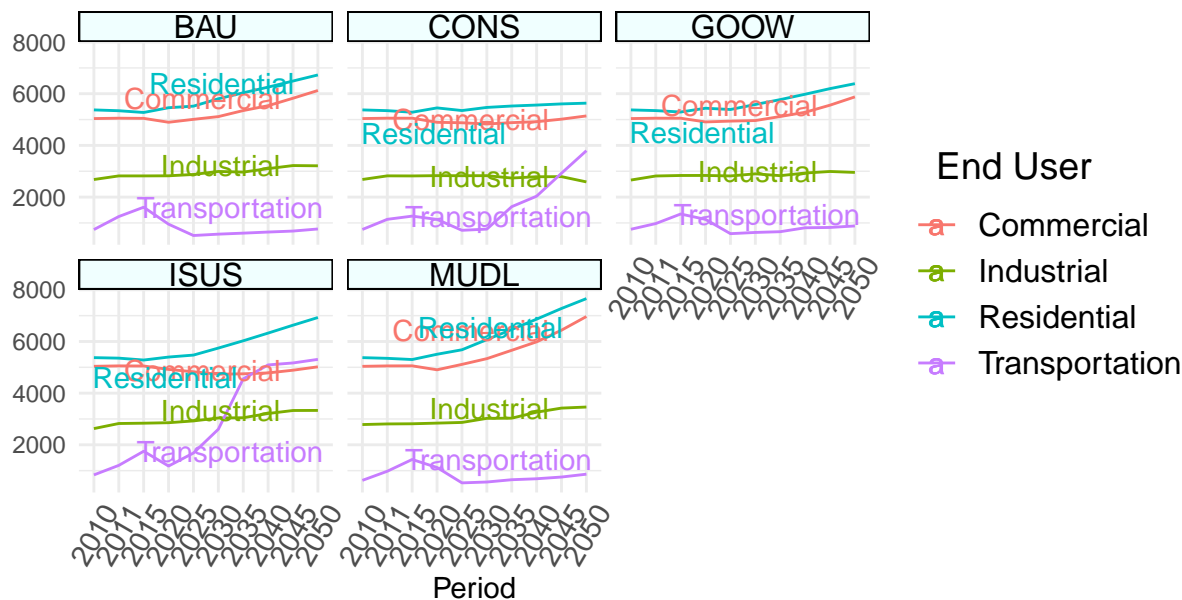
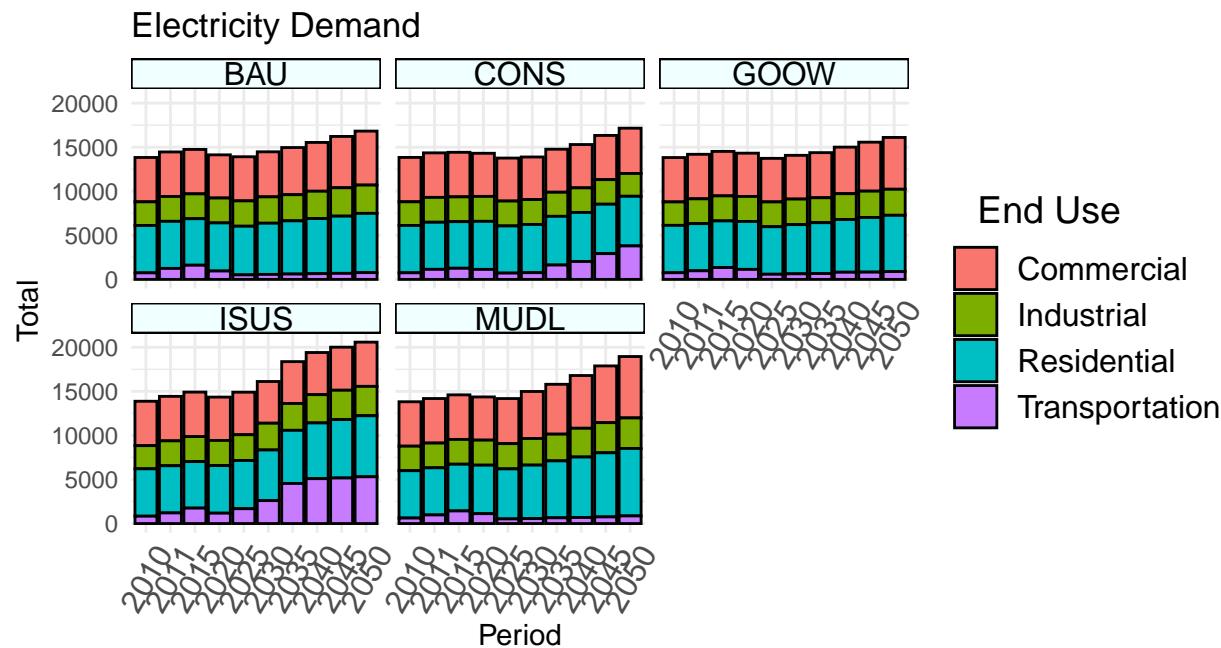




Emissions across Scenarios



Electricity Use



Debugging

Check for use of dummy fuels—this indicates you need to debug something or you may have overconstrained your system
Marginal activity of dummy fuels means you're hitting a constraint.