Resources to learn about the impacts of fossil fuels in buildings and the benefits of heat-pumps:

1. Environmental Justice
   - New Analysis of Fracking Science (Nearly 2,000 Studies) Finds Grave Health, Environmental Justice and Climate Impacts: https://www.psr.org/blog/new-analysis-of-fracking-science-nearly-2000-studies-finds-grave-health-environmental-justice-and-climate-impacts/
   - Out of Gas, In With Justice: https://www.weact.org/campaigns/out-of-gas/

2. Health
   - Effects of Residential Gas Appliances on Indoor and Outdoor Air Quality and Public Health in California, UCLA Fielding School of Public HealthDepartment of Environmental Health Sciences: https://ucla.app.box.com/s/xyzt8jc1ixnetiv0269qe704wu0ihif7
   - Health Effects from Gas Stove Pollution: https://www.psr.org/wp-content/uploads/2020/05/health-effects-from-gas-stove-pollution.pdf
   - RMI Factsheet “All-Electric Buildings are Healthy Buildings” https://rmi.org/wp-content/uploads/2022/02/all_electric_buildings_healthy_factsheet.pdf

3. Safety
   - Merrimack Valley gas explosions were caused by weak management, poor oversight, NTSB says: https://www.cnn.com/2019/09/24/us/ma-gas-explosions-cause/index.html

4. Energy Security & Reliability
   - Editorial: What’s better than a ban on Russian oil imports? Ending our dependence on fossil fuels. Los Angeles Times
   - Want to Reduce Dependence on Russian Energy? Get a Heat Pump. Bloomberg.

5. Economics
   - Office of Legislative Research report on customer costs of CT’s gas expansion plan: https://cga.ct.gov/2021/rpt/pdf/2021-R-0169.pdf
   - Hartford Courant article on rising costs of gas expansion plan: https://www.courant.com/business/hc-biz-rising-gas-prices-20211011-uvdfmgr6vbfgjjmrj227r3z4de-story.html
   - CT Mirror Opinion “First End Ratepayer Subsidies for Natural Gas Expansion Then Study the Future of Gas in Connecticut”: https://ctmirror.org/2022/01/06/first-end-ratepayer-subsidies-for-natural-gas-expansion-then-study-the-future-of-gas-in-connecticut/

6. Climate (Howarth 2015, Howarth 2019, CT GHG Inventory, global methane assessment, etc.)
   - Large Fugitive Methane Emissions From Urban Centers Along the U.S. East Coast: https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2019GL082635
   - UN Global Methane Assessment: https://wedocs.unep.org/bitstream/handle/20.500.11822/35917/GMA_ES.pdf
   - Methane emissions and climatic warming risk from hydraulic fracturing and shale gas development: implications for policy: https://www.dovepress.com/methane-emissions-and-climatic-warming-risk-from-hydraulic-fracturing--peer-reviewed-fulltext-article-EECT

- “Ideas and perspectives: is shale gas a major driver of recent increase in global atmospheric methane?” https://bg.copernicus.org/preprints/bg-2019-131/bg-2019-131.pdf
- Methane doesn’t get the attention CO2 gets – even though it’s far more potent. It all comes down to bad math. Read more from @StanfordWoods’ Sam Abernethy in the @SFChronicle: https://www.sfchronicle.com/opinion/openforum/article/Why-don-t-people-realize-how-bad-methane-is-for-16998570.php
- Rhetoric vs. Reality: The Myth of “Renewable Natural Gas” for Building Decarbonization: https://earthjustice.org/sites/default/files/feature/2020/report-decarb/Report_Building-Decarbonization-2020.pdf

7. Alternatives
   - Heat Pumps slow climate change in every corner of the country: https://www.sierraclub.org/articles/2020/04/new-analysis-heat-pumps-slow-climate-change-every-corner-country
   - Heat Pumps for Energy Efficient Homes: https://content.sierraclub.org/creative-archive/sites/content.sierraclub.org.creative-archive/files/pdfs/1624%20NE-HeatPump_FactSheet_03_web.pdf
   - New Haven Electrification Resolution: https://www.newhavenindependent.org/article/alders_electrification_resolution
   - Mansfield is building a Net Zero School: https://mansfieldct.gov/2153/Elementary-School-Project
   - West Hartford is building a net zero community center: https://we-ha.com/west-hartford-looking-to-create-community-and-cultural-center-at-former-st-brigid-school/