

Sustainable U, February 8, 2022

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Resources compiled by Kathy Kuntz, Director of Dane County Office of Energy & Climate Change

Dane County Efforts

- Climate Action Plan – <https://daneclimateaction.org/climate-action-plan>
- What You Can Do resource lists for individuals, communities - <https://daneclimateaction.org/what-you-can-do>

Beneficial Electrification Primer

- Local nonprofit, Slipstream, offers a good overview of beneficial electrification - <https://slipstreaminc.org/blog/beneficial-electrification-what-and-why>
- The Regulatory Assistance Project has a great policy discussion about beneficial electrification <https://www.raponline.org/knowledge-center/beneficial-electrification-ensuring-electrification-public-interest/>
- GreenTech Media has a good discussion of what it will take to achieve beneficial electrification - <https://www.greentechmedia.com/articles/read/beneficial-electrification-make-it-work>

Electric Vehicles

- Fast Company on buying and owning an EV - <https://www.fastcompany.com/90717196/these-evs-are-cheaper-to-own-than-their-gas-powered-counterparts>
- Drive Electric Wisconsin - <https://www.driveelectricwi.org/>
- MGE Love EVs Site - <https://www.mge.com/lovev>
- Alliant Energy EV site - <https://www.alliantenergy.com/cleanenergy/whatyoucando/electricvehicles>
- Wisconsin Clean Cities - <https://wicleancities.org/>

Net Zero Buildings

- Eau Claire, Wisconsin has an excellent net zero energy guide and checklist - <https://www.eauclairewi.gov/government/our-divisions/sustainability/net-zero-energy-buildings>

- The Oregon School District's Forest Edge Elementary School is net zero - <https://daneclimateaction.org/climate-action-plan/CAP-Stories/Oregon-Forest-Edge>

Health Risk Associated with Gas Stoves

- Rocky Mountain Institute, Physicians for Social Responsibility, Mothers Out Front and Sierra Club study <https://rmi.org/insight/gas-stoves-pollution-health/>
- New Stanford Study on methane leaks from gas stoves <https://www.nytimes.com/2022/01/27/climate/gas-stoves-methane-emissions.html> and <https://www.popsci.com/environment/gas-stoves-harmful/>
- California Air Resources Board (links to multiple studies) <https://ww2.arb.ca.gov/resources/documents/indoor-air-pollution-cooking>

Cold Climate Heat Pumps

- Rocky Mountain Institute overview - <https://rmi.org/heat-pumps-a-practical-solution-for-cold-climates/>
- Minnesota Center for Energy & the Environment efforts - <https://www.mncee.org/air-source-heat-pumps>

Focus on Energy information about Dual Fuel Heat Pumps

- Fact Sheet - https://focusonenergy.com/sites/default/files/inline-files/Educational_Fact_Sheet-Dual_Fuel_Heat_Pumps.pdf
- Video - <https://www.youtube.com/watch?v=Nn2cWfdYd3Q>

Resources compiled by Susan Millar, Co-leader of 350 Madison's Community Climate Solutions Team

My blog providing technical information about how I made this transition <https://www.renewwisconsin.org/blog/> (November 2021)

The contractors I engaged to transition from fossil gas to electric appliances:

- Home Energy Efficiency Analysis: Mark Furst, Grading Spaces LLC
Home Performance Testing & Consulting, www.gradingspaces.com, mk1st@sbcglobal.net, 920 723 8255
- Insulation: Rich Buchli, Cellar to Attic, LLC, 920.723.3264 (C) cellartoattic@yahoo.com
www.cellartoattic.com (I suggest asking for alternatives to HFC as a blowing agent. HFC has an

extremely high “global warming potential.” See <https://www.buildwithrise.com/stories/spray-foam-insulation>).

- Air Source Heat Pump, Midwest Heating & Cooling, Mukwonago, O (Carla): 414-704-0129; www.MidwestHVACPro.com, I worked with Czerwinski on the proposal - brent.czerwinski@midwesthvacpro.com
- Hybrid Water Heater: [KJM Plumbing LLC](#), Kurt Mara
- Electrician: Jim Beirne (Midwest did not include the cost of an electrician in its proposal to avoid having to bill me for their electrician’s travel from Milwaukee) Electricity for both the ASHP and the hybrid water heater

Sources of information about reasons and policies for electrifying homes

[*Electrify: An Optimist’s Playbook for our Clean Energy Future*](#), by Saul Griffith. This book clearly explains the important role that electrifying housing must play if we are to avoid exceeding a 1.5C increase in global temperature rise. Griffith proposes policy strategies for financing this transition across income brackets:

[Electrify This! Podcast](#). This engaging monthly podcast presents excellent information about the movement to electrify everything.

Resources compiled by 350 Madison’s Community Climate Solutions Team, Middleton Community Working Group

A Pocket Guide to All Electric Retrofits of Single Family Homes by Redwood Energy:

<https://redwoodenergy.net/wp-content/uploads/2021/11/SF-Retrofit-Guide-2021-09-08.pdf>

[Go Electric! A guide to kicking fossil fuel out of your life: https://fresh-energy.org/goelectric](https://fresh-energy.org/goelectric)

Beneficial Electrification: An Evolving Resource Compendium:

https://docs.google.com/document/d/1wTF9kuH7b_4xy7Jy576VOs0tm9PB3KVG5g2A2vG4D0/edit?usp=sharing