



Fresh Energy

# Clean Energy in Minnesota

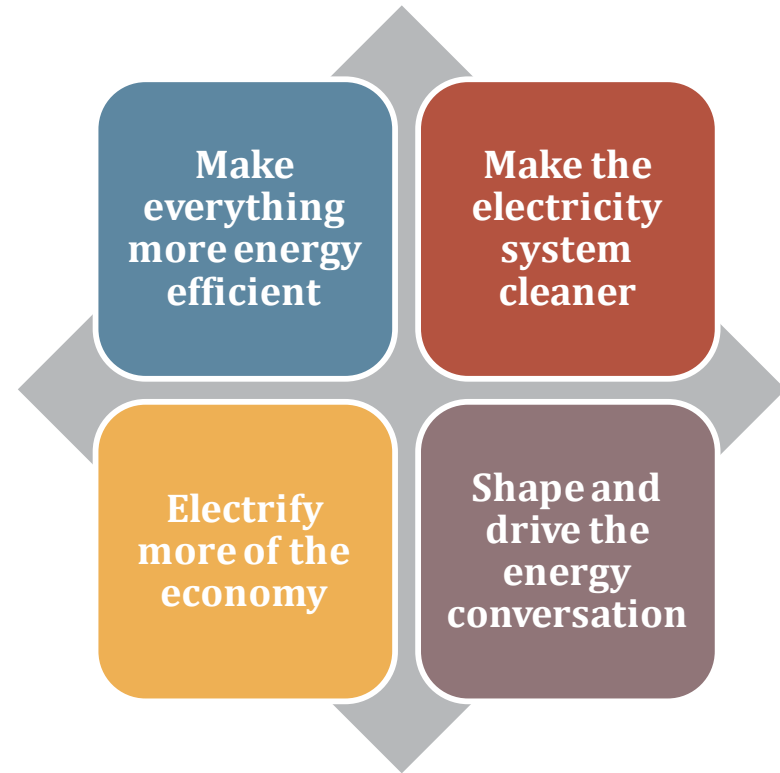
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# About Fresh Energy

- Founded 26 years ago
- Speeding the transition to a clean energy economy
- Focus on market driven policies
- In-depth research and analysis
- Energy policy experts

[www.fresh-energy.org](http://www.fresh-energy.org)



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# Electrification

The conversion of end-uses powered by fossil fuels or other carbon-based fuels to electricity.

# Beneficial Electrification

We consider electrification to be **beneficial** when it:

- 1) Reduces the lifecycle greenhouse gases of implemented technologies through the conversion of end-uses powered by fossil or other carbon-based fuels to electricity *and* the upgrade of existing electrical equipment to higher-efficiency technologies; and
- 2) Improves public health and safety by reducing exposure to nitrogen oxides, sulfur oxides, and volatile organic compounds in indoor and outdoor air as well as the risk of fire, explosion, and carbon monoxide poisoning.

# Beneficial Electrification Policies

Fresh Energy supports policies that:

- **Include utility commitments to decarbonize their electricity generation mix;**
- **Maximize consumer savings** in the long term on energy and implemented technologies as well as operation and maintenance, while also taking into account associated electrical upgrades and efficiency measures;
- **Enhance electrical grid operation** through load shape improvement, enabling smart integration of solar and wind power;
- **Drive energy access and equity** by prioritizing electrification in under-resourced communities, existing and proposed affordable housing developments, across building stock of all ages as well as community spaces and public transportation routes; and
- **Advance a clean energy economy** through the recruitment and training of skilled labor and the continued growth of and investment in clean, renewable energy.



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# Questions?



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