

Molly Wingrove

From: Patnode, Casey <caseypat@med.umich.edu>
Sent: Monday, May 24, 2021 4:10 PM
To: Molly Wingrove; Rep. Roger Hauck (District 99)
Cc: Rep. Richard Steenland (District 22); Rep. Angela Witwer (District 71); Rep. Alex Garza (District 12); Rep. Tenisha Yancey (District 1); Rep. Jewell Jones (District 11); Rep. Kevin Hertel (District 18); Rep. Pat Outman (District 70); Rep. John N. Damoose (District 107); Rep. TC Clements (District 56); Rep. Pauline Wendzel (District 79); Rep. Mike Mueller (District 51); Rep. Matt Hall (District 63); Rep. Joseph Bellino, Jr. (District 17); Rep. Michele Hoytenga (District 102)
Subject: Opposition to HB 4575

Hello,

My name is Casey Patnode. I am a dual degree MD/MPH student at the University of Michigan with a concentration in Environmental Health Sciences. I am writing to you in opposition to the aspect of HB 4575 that does not allow municipalities from enacting ordinances that prohibit the use of gas appliances.

Gas appliances lead to dangerous indoor air pollution that harm Michiganders' health, especially that of children. While indoor air pollution is unregulated, gas stoves lead to air pollution that exceeds outdoor air quality standards. Children in homes with gas stoves have a 32% increased risk of current and lifetime asthma compared to those who don't, with a 42% increased risk of asthma symptoms. A source for this information can be found [here](#). This is in the setting of over 1 in 10 Michiganders being diagnosed with asthma.

Additionally, gas appliances contribute to climate change, the greatest global health threat of the 21st century, that is having a significant effect on the health of Michiganders, which will only continue to worsen. Electrification of buildings is a critical step in reaching the goal of net zero emissions and preserving our planet for a healthy and livable future.

If Michigan municipalities want to take the initiative to protect the health of their residents, they should have the opportunity to do so without state interference.

Thank you for your time and consideration,

Casey Patnode

Casey Patnode
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