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Support REACH Codes for cities requesting them

There are several cities requesting approval of REACH codes supporting the reduction or elimination of GHGs from burning natural gas. I support approving these codes because:

• We have a planet that is rapidly increasing in GHG and global temperatures. REACH codes address the building sector with a way to dramatically reduce the GHG footprint.

• The focus of the effort is on new construction

• An all-electric infrastructure costs less to build than one that has gas and electricity as fuel. One only puts in one energy infrastructure. Savings of around \$5000 can be realized in construction of new single-family homes.

• This is a cost-effective way to reduce GHGs from buildings. Electricity sourced in Santa Clara and San Mateo county is 80% carbon free or better. Both counties have targeted supplying Carbon Free electricity by 2022. Silicon Valley Clean Energy has been supplying their customers in Santa Clara County with carbon free electricity since 2017. If a building only uses carbon free electricity as fuel, it is carbon free.

• Burning natural gas generates 1½ the GHG equivalent of burning coal. However, natural gas (methane) has a substantial leakage problem. We need to minimize the chance of another Aliso Canyon issue.

• Burning natural gas in the home (from a gas stove) creates a number of toxic gases (e.g. Nitrogen Dioxide, Carbon Monoxide and Sulfur Dioxide). The concentrations of Nitrogen Dioxide in a home from a gas stove can exceed the standards set for OUTDOOR cooking.

• Executive Order B-5-18 states California needs to be carbon neutral by 2045. We need support of these REACH codes to get to that level.

• Climate Change is upon us. It is only getting worse. Concerned teenagers wonder if they will have an inhabitable planet when they get older

• Please pass these REACH codes as part of the solution to addressing Climate change.