

This is the first installment in an illustrated series about electrification of residential buildings.

BUILDING ELECTRIFICATION: GAS IN HOMES

VRINDA MANGLIK

Instagram: @art_by_vrinda

Many people have a favorable opinion of gas stoves and gas appliances.



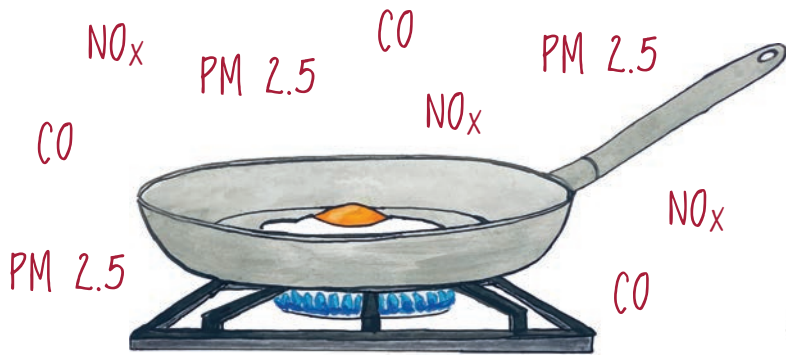
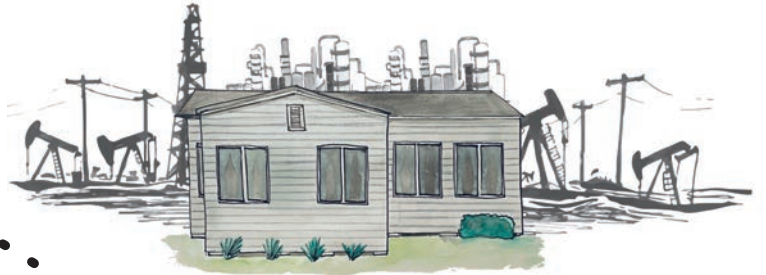
This is due, in part, to the successful marketing efforts of the gas industry over the past century in the form of paid advertising.

Even today, the gas industry is paying social media influencers to show positive opinions about gas stoves.



Unfortunately, the downsides of gas stoves and appliances are not as widely known to the general public.

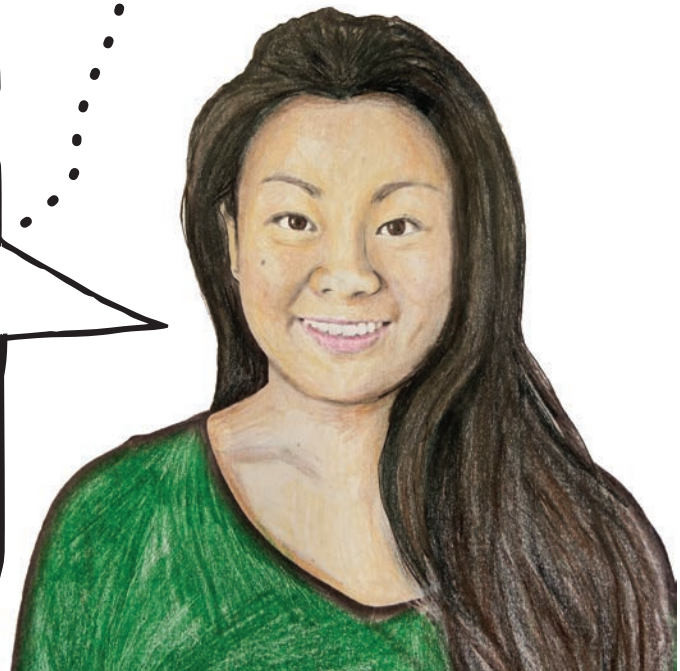
Producing and transporting gas releases methane (CH_4), a potent greenhouse gas, and has serious health impacts for neighboring communities, workers, and the climate.



Gas stoves also contribute to indoor air pollution through the release of particulate matter ($\text{PM}_{2.5}$), carbon monoxide (CO), and nitrogen oxides (NO_x).

"I recently learned that homes without proper ventilation can generate levels of pollution inside homes that exceed outdoor air quality standards."

-Melissa Yu, Sierra Club
(SF Bay Chapter)



Stay tuned for the next installment in the next Yodeler...