

**CITY OF SAN MATEO  
CLIMATE ACTION TEAM**

**PUBLIC COMMENTS TO CITY COUNCIL MARCH 7, 2022**

**CITY COUNCIL LEADERSHIP:  
DECARBONIZE BUILDINGS AND  
INFRASTRUCTURE; ELIMINATE METHANE  
BY 2030**



# **CITY OF SAN MATEO CLIMATE ACTION TEAM**

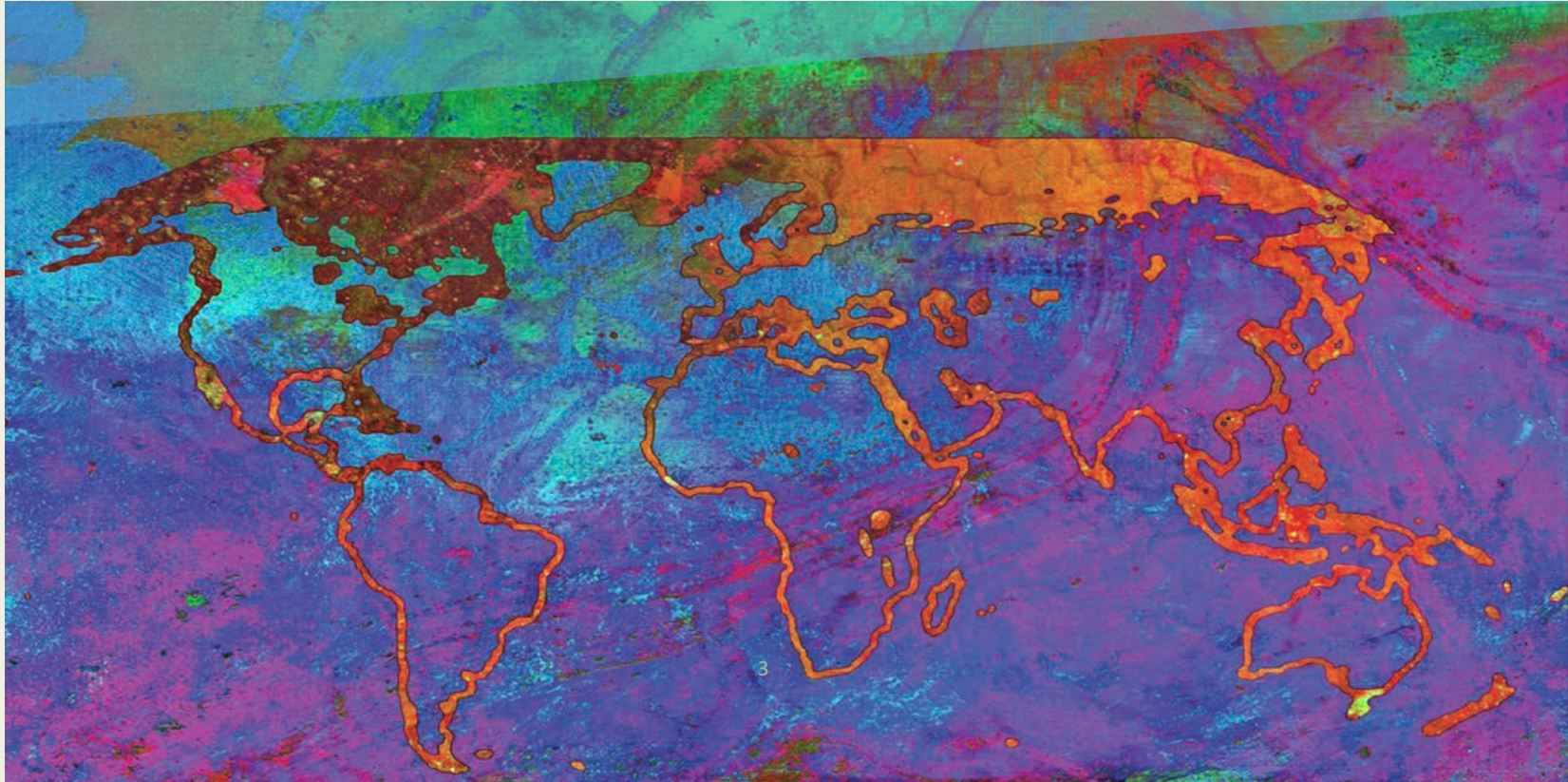
**Launched in December 2021**

**Parents  
Students  
Retirees  
Scientists  
Teachers  
Attorneys  
Faith Based Leaders  
Many Others**

**All deeply concerned about the Climate  
Crisis**



# **We Are Out of Time!!**



**Intergovernmental Panel on Climate Change: World can emit GHG at current rate for only 7 years before Climate Catastrophe!**

# Roadmap to Success



Education of residents and businesses about electrification

Assess existing buildings and prepare for switch to electric



Find funding mechanisms to pay for all-electric

Avoid stranded assets – anything not electric now will become obsolete very quickly



Update at replacement



Develop the workforce – this will need many trained workers and savvy contractors



**Adopt a strong municipal code that calls for the end of gas**



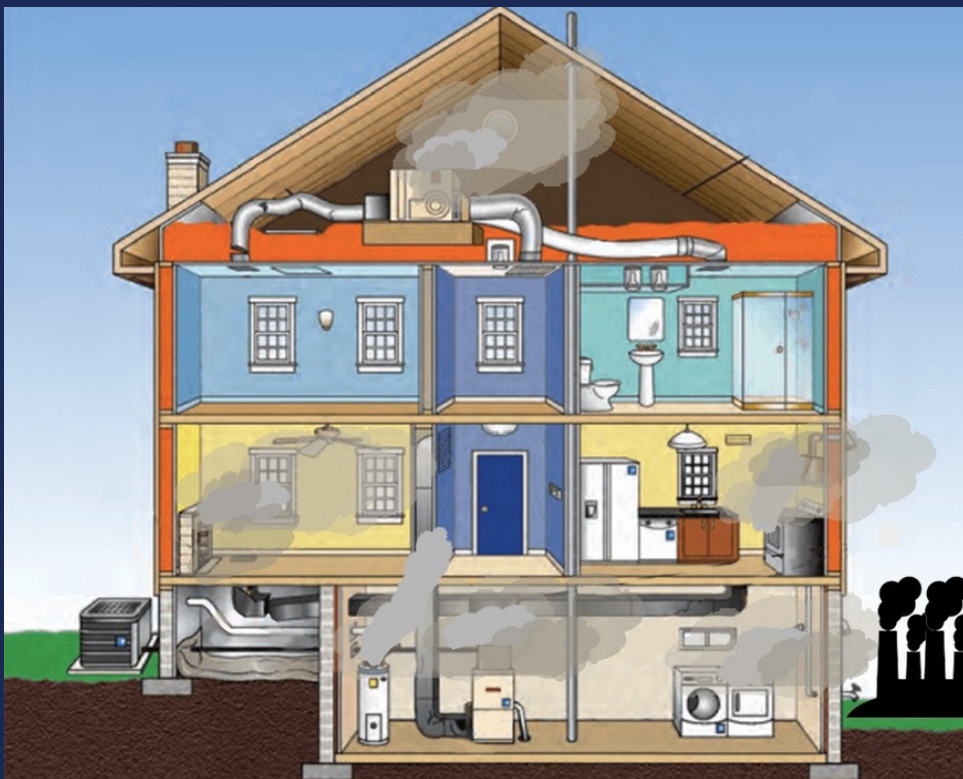
**Buildings in California are responsible for more than a quarter of the state's GHG emissions**

**In San Mateo, that is approximately 42%**

(San Mateo 2020 CAP, Page 5)



## Fossil Fuel Plants in our Homes



Burning methane gas in household stoves creates methane leaks, with significant NOX emissions. Methane leaks occur at every stage, from the well head, to appliances. – ACS Journal, January 26, 2022

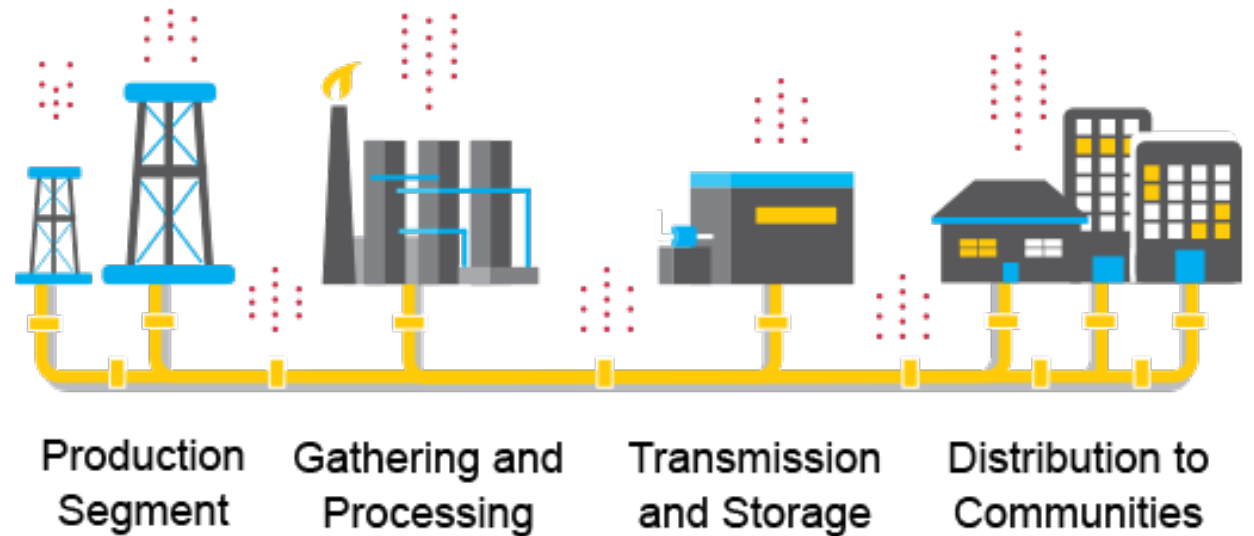


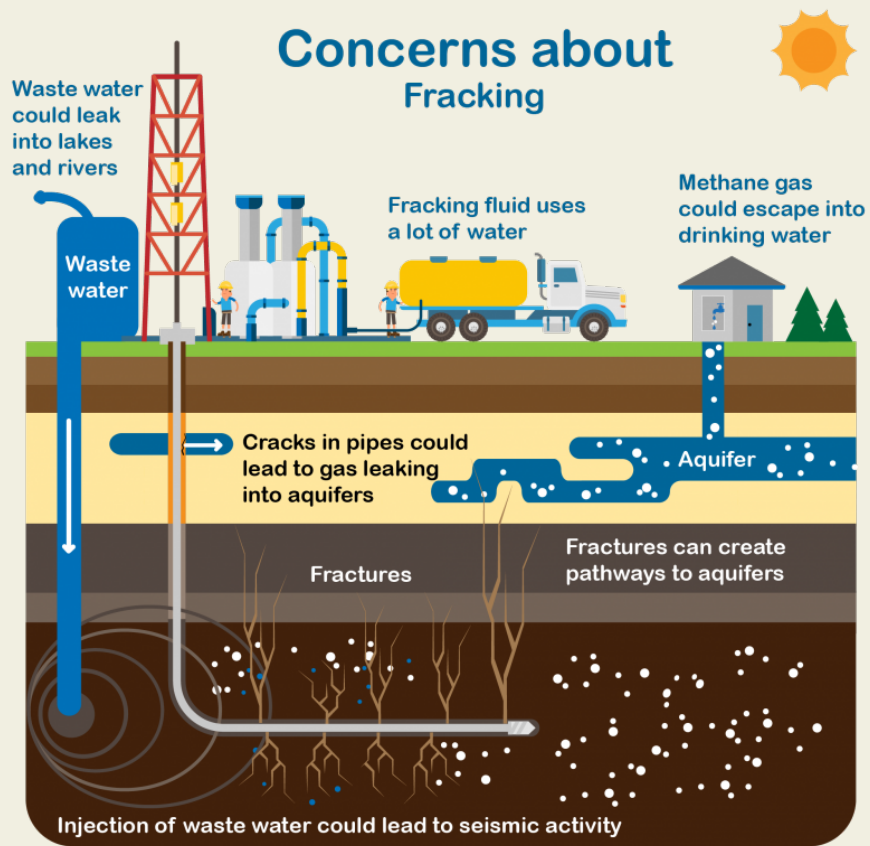
A 2020 UCLA study found that children who grow up in a home with a gas stove are 42% more likely to develop asthma than those who don't . UCLA Fielding School of Public Health, Spring 2020

# Why natural gas doesn't make sense

Contrary to what you may have heard, “natural gas” is not clean. It is dirty methane, most potent as a GHG

Methane leaks from all sectors of the natural gas supply chain





©2019 Let's Talk Science

## Fracking

Most natural gas is extracted by fracking using dangerous chemicals that can pollute our water and harm health in communities with gas wells.



# **Public Opinion on Climate Action**

- 2021 PCE poll: 1,626 people in San Mateo County**
- 85% of all respondents support more local climate action**
- 76% of respondents want more aggressive climate action**

# Statewide Action to Eliminate Natural Gas



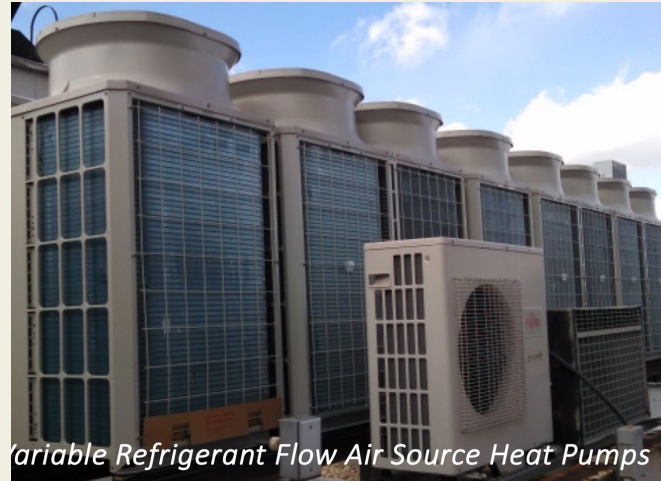
- Reach Codes & Gas Bans – **Kicked off by Berkeley Banning Gas in July 2019 – Now 54 policies in CA; most are in the Bay Area**
- Incentives & Pilot Programs
- CCE Support
- Moving towards mandatory standards for Existing homes & buildings; highlights:
  - Menlo Park
  - Half Moon Bay
  - Bay Area Air Quality Management District

# High quality electric alternatives for every home appliance



SOURCE: Fossil Free Buildings Silicon Valley

# High quality electric alternatives for non- residential equipment



SOURCE: Fossil Free Buildings Silicon Valley

# Costs and savings of going all electric for existing buildings






**Initial cost of switching to electricity is incrementally higher -but your water heater, furnace and stove will not last forever! Rebates are as high as \$8,000 . WE WILL HELP STOP THE CLIMATE CRISIS!!**



**Electrifying HVAC and water heating can lead to \$100-\$400 in energy cost savings per year**



# Rebates

Peninsula Clean Energy Area Rebates	HPWH < 55 gal	HPWH > 56 gal	Electric Panel Upsize 100 A	Electric Panel Upsize 200 A
	\$1,100	\$1,800	\$2,050	\$2,050
Optional TECH Mixing valve	\$200	\$200		
	\$1,000 <sup>13</sup>	\$1,000		
	\$1,000	\$1,000	\$1,500	\$750
<b>Total Available</b>	<b>\$3,300</b>	<b>\$4,000</b>	<b>\$3,550</b>	<b>\$2,800</b>

# Models for Successful Implementation

- **On Bill financing**
- **Low Income programs from PCE and others**
- **Rebates from BayREN, PCE, PG&E**
- **Home repairs under the Community Development Block Grant Program**
- **Cost sharing similar to the City's sewer lateral replacement program**

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**THANK YOU!!**

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