An aerial photograph of Fremont, California, showing a dense residential and commercial area with a large body of water, likely Lake Fremont, in the background. The text is overlaid on the image.

Fremont Climate Ramp Up:

***Let's boost Fremont's Climate Action Plan
to avoid 2+ degrees of warming
and climate catastrophe***

The problem: Climate change is still a runaway train. If we don't take all actions in our power, our children and grandchildren's world will look hellish by today's standards.



There is an **enormous gap** between what **we need to do** and what **we're actually doing** to prevent dangerous levels of climate change.

The UN says:

- The gap is getting bigger between action and need.
- Governments need to make much bolder commitments to lower emissions.
- Climate pledges to date aren't enough to keep our planet safe.

Fremont should lead boldly on climate.

With 2 or more degrees of warming, things will be bad or apocalyptic:

Tipping point temperatures likely to push global systems into a 'hothouse' state



Source: Stockholm Resilience Centre

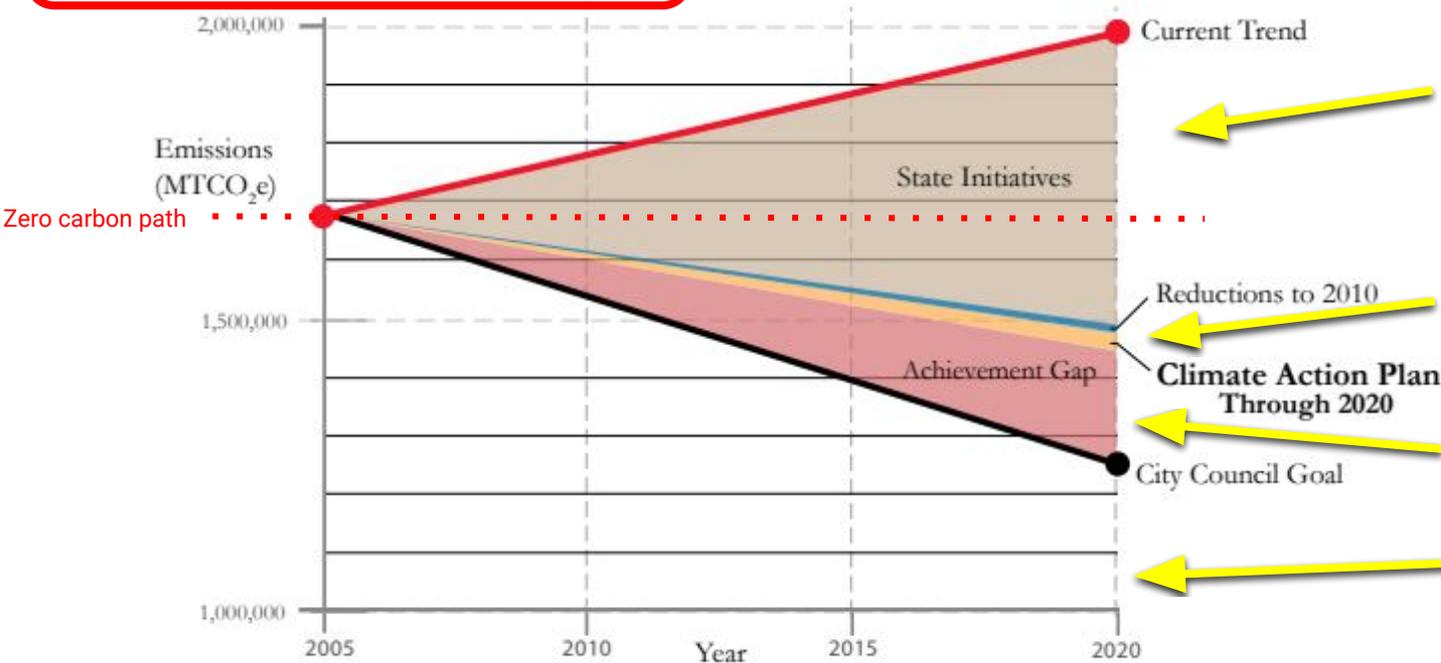
BBC

Best Case is globally, famine and 100s of millions of refugees; locally drought and regular wildfires in NorCal and East Bay Hills.

Worst Case is that key tipping points accelerate warming at 2 degrees, breaking other barriers. Swift warming overwhelms efforts, reduces crop yields, atmosphere changes to have less oxygen.

Fremont's 2012 Climate Action Plan (CAP) was a start, but *never on pace to meet its own goals*: most progress is due to the state

Figure E-2: The Achievement Gap



State reduction in brown about 180,000 metric tons of carbon reduction from 2005 level

City impact in orange of less than 50,000 metric tons.

Unachieved Gap in pink of ~200,000 metric tons.

Still a long way to go to zero carbon! About 1.45 million tons of carbon.

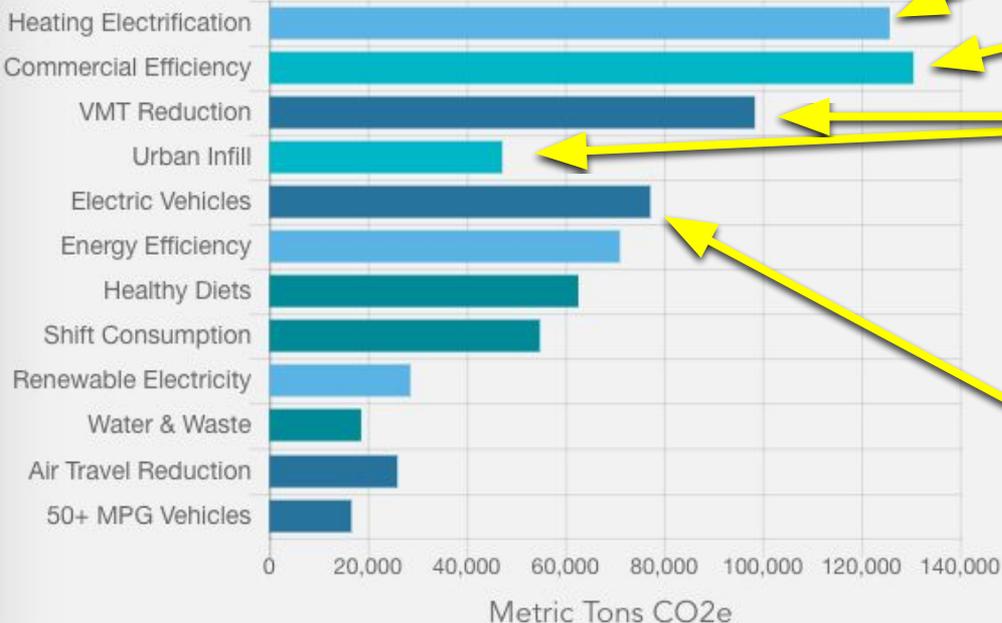
UC Berkeley [Local Climate Action Impact Calculator](#) for Fremont shows key areas for action

California Local Government Climate Policy Tool

Enter State, County, City, Zip Code, or BlockGroup

Location 1

GHG Reduction Potential in 2030 from Local Policies



Heating electrification is biggest impact: ban new gas lines and extensions, require all-electric heaters for city-permitted projects.

Commercial Efficiency: Require top LEED level on all projects.

Vehicle Miles (VMT) and Urban Infill (density): We need development downtown, near BART. Let's be "Yes in my Backyard", YIMBY, not NIMBYs who complain about traffic. The fate of our species depends on it.

Electric vehicles are key...the city says transportation makes up **60% of emissions** (Source: 2012 CAP). See plan on next page.

To go carbon-zero, Fremont must go beyond solar panels and efficient city buildings. Which of these solutions do you support, to avoid cooking the planet? Sign the petition if you like.

Heating Electrification

Commercial Efficiency

VMT Reduction

Urban Infill

Electric Vehicles

Energy Efficiency

Healthy Diets

Shift Consumption

Renewable Electricity

Water & Waste

Air Travel Reduction

50+ MPG Vehicles

- **A) Heating Electrification:**
 - Ban gas heaters, new or replacement, for any city-permitted projects.
- **B) Commercial Efficiency:** Require highest LEED standard for new-build projects.
- **C) Vehicle Miles Travelled / VMT & Urban Infill:** Ask council to support density, which means new development near BART. YIMBY, instead of NIMBY, philosophy. New units by BART also means *less traffic* than spread-out townhomes elsewhere.
- **D) City Carbon Audit** (Annual climate footprint, city employee travel, etc.)
- **E) Electric Vehicles:**
 - Require charging stations at 30% of parking spots at all large apartments & large businesses (fund with grants, EV owners' city income tax if needed).
 - Require signs at each charging station with waiting list info and add new charging station spots within 6 months to meet demand.
 - No new non-electric city vehicles without a public hearing.
 - Publish electric vehicle buying guide for residents, based on existing \$245,000 study for city fleet decision-making.

Thanks for listening!

Here's what you can do to help.



Take a picture and share the info!

1. Please sign the petition, choose the Fremont actions you support.
2. Email sustainability@fremont.gov with ideas, sign up for CAP updates at <http://www.fremont.gov/SustainabilityList>
3. Provide your email if you'd like an invite to a single important council meeting to show support.
4. Cut your own carbon by making your home more efficient, cutting food waste, unnecessary carbon-heavy trips, etc.:

Google "Fremont Green Challenge" and "Fremont Carbon Calculator" to find out how, and visit StopWaste.org.