

May 12, 2017

MTC & ABAG  
 375 Beale St  
 San Francisco, CA 94105

Re: Plan Bay Area Climate Goals  
 (PBA)

Dear MTC & ABAG,

While it is true that PBA aims to meet its SB375 goal of 15% per capita GHG reduction, this falls far short of SB 32's goal of 40% absolute reduction, and the real need to achieve much deeper cuts.

Fortunately the attached press release shows that a combination of electrification, automation, and ride sharing can achieve 80%+ reductions by 2050. We urge you to include this vision in future updates of PBA.

Also attached is a graph showing how urgent it is to act quickly. At the current pace we will reach 1.5°C global warming by 2030. We have no time to delay to eliminate fossil fuel vehicles and move to a ride sharing future.

Sincerely,

Jack Lucero Fleck - Jack Lucero Fleck  
 350 Bay Area

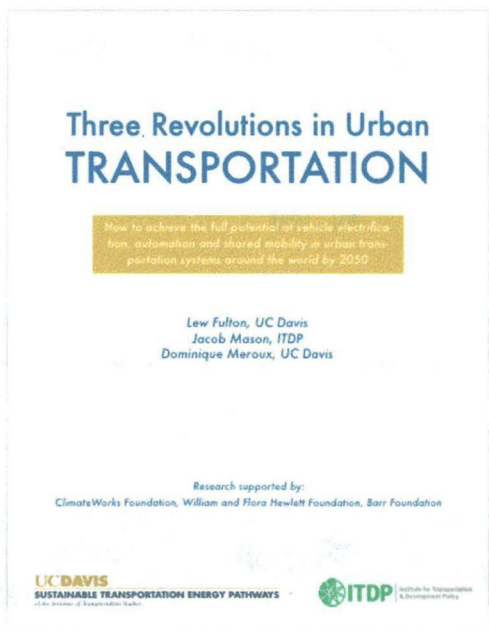
# Transportation

11

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**Three Revolutions in Urban Transportation:**  
How to achieve the full potential of vehicle electrification, automation, and sharing in urban transportation systems around the world by 2050

## Press Releases:

*New Report: 80% cut in CO2 emissions if cars and other light vehicles follow 3 revolutions: automation, electrification, and, most importantly, ride sharing*

*You Say You Want A Transportation Revolution? How About Three of Them?* [UC Davis]

## Infographic:

# Three Revolutions in Urban Transportation

## Business-as-Usual Scenario

### 20th Century Technology

Through 2050, we continue to use vehicles with internal combustion engines at an increased rate, and use transit and shared vehicles at the current rate, as population and income grow over time.

## 2 Revolutions (2R) Scenario

### Electrification + Automation

We embrace more technology. Electric vehicles become common by 2030, and automated electric vehicles become dominant by 2040. However, we continue our current embrace of single-occupancy vehicles, with even more car travel than in the BAU.

## 3 Revolutions (3R) Scenario

### Electrification + Automation + Sharing

We take the embrace of technology in the 2R scenario and then maximize the use of shared vehicle trips. By 2030, there is widespread ride sharing, increased transit performance—with on-demand availability—and strengthened infrastructure for walking and cycling, allowing maximum energy efficiency.



## CO<sub>2</sub> Emissions by 2050

 ☁️ = 500 megatonnes of CO<sub>2</sub>


[www.itdp.org](http://www.itdp.org)



[Click here for a high-resolution version](#)

Images:



Traffic stacks up on the west- and east-bound lanes of the 210 Foothill Freeway near Los Angeles. The city is actively working to reduce car use with transit and car share programs. (Photo by Kevork Djansezian/Getty Images)



Some cities, such as San Francisco and Vancouver, BC, have moved toward electric, shared vehicles for their own use, and designated parking for shared vehicles to encourage their use. (wikimedia commons)



This image provided by Google shows a very early version of Google's prototype self-driving car. (AP Photo/Google)



Demonstration of Ligier EZ-10 automated vehicle for shared trips at Kistagången in Kista, Stockholm, Sweden (wikimedia commons)



Vancouver BC has become a world leader in car sharing, thanks to the city's density, walkability, and government support. (Canadian Veggie via Flickr)

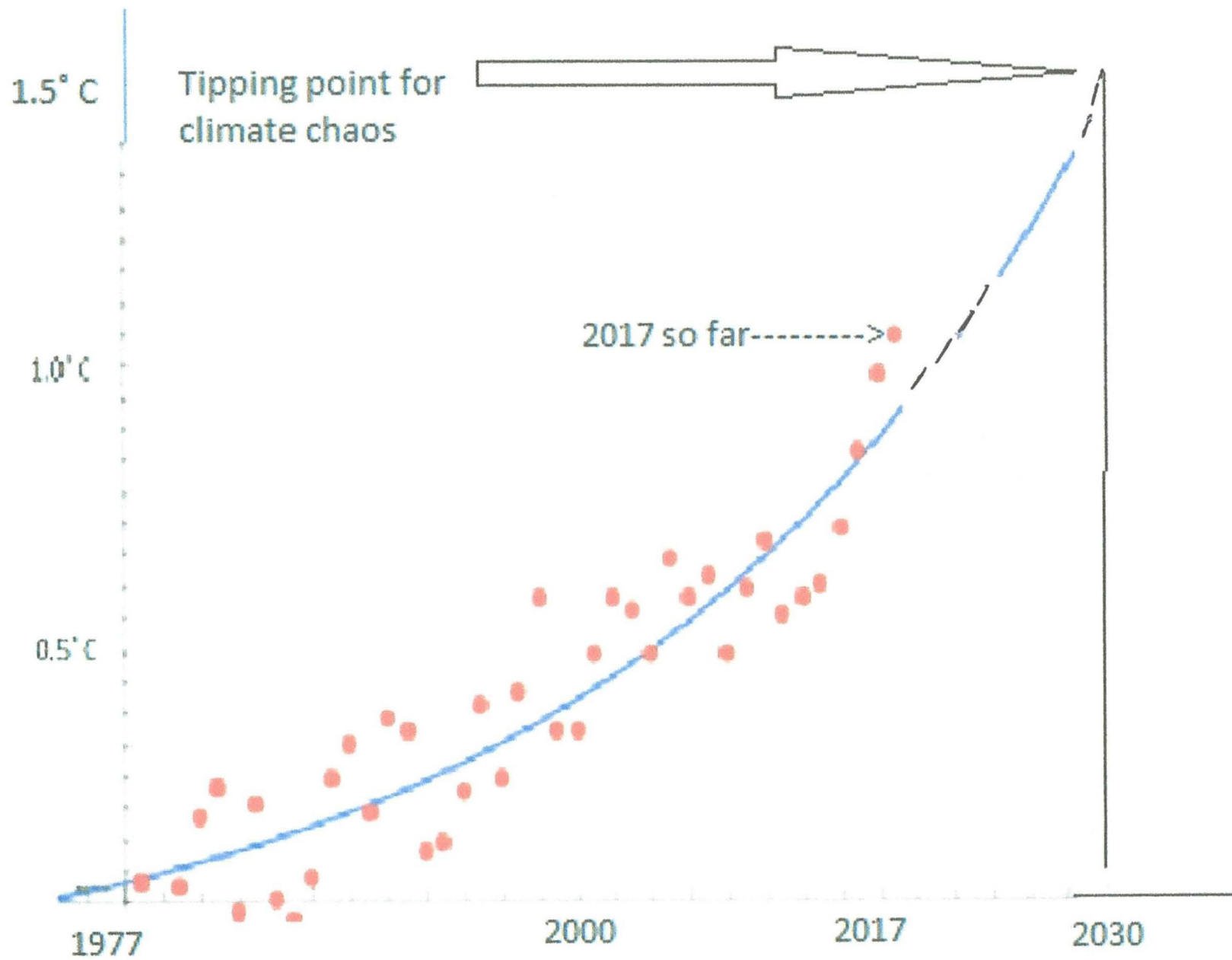
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**NASA Global Temperature Trends**  
Temperature above 1950 - 1981 average