



[emergingtransport.com](http://emergingtransport.com)

Timothy Papandreou

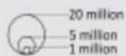


@tpap\_

## World City Populations 1950-2030

Circle areas proportional to city populations in:

● 1950 ● 1990 ● 2015 ● 2030

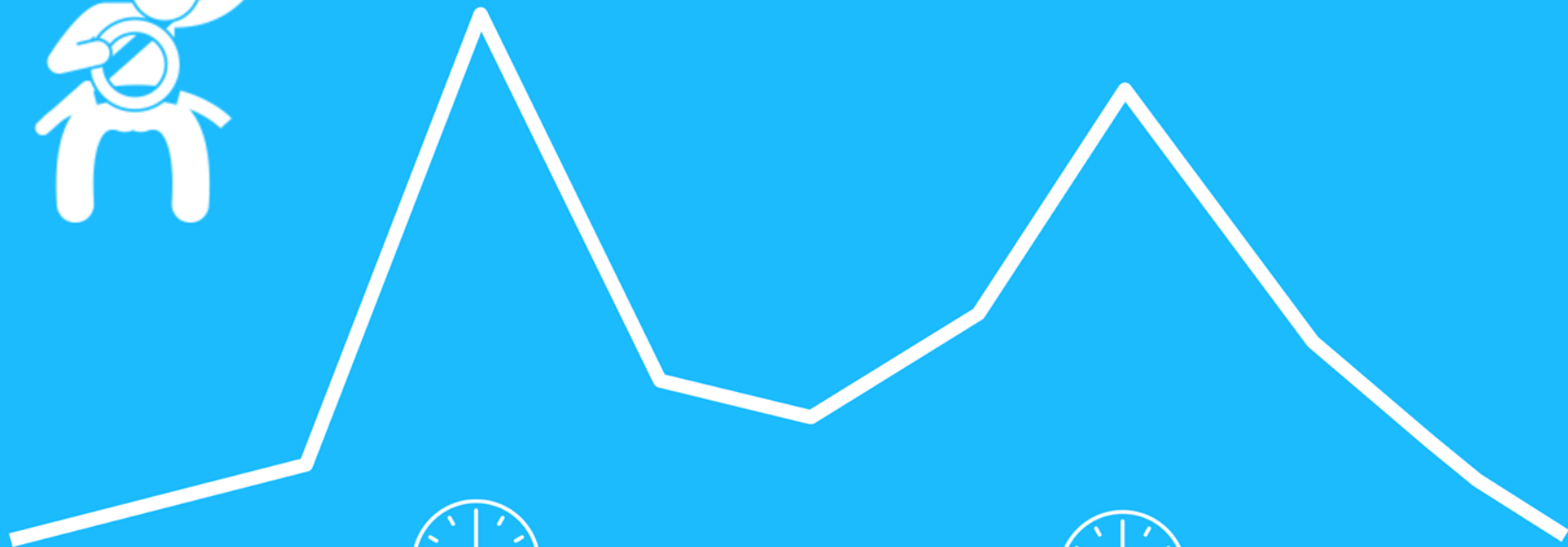


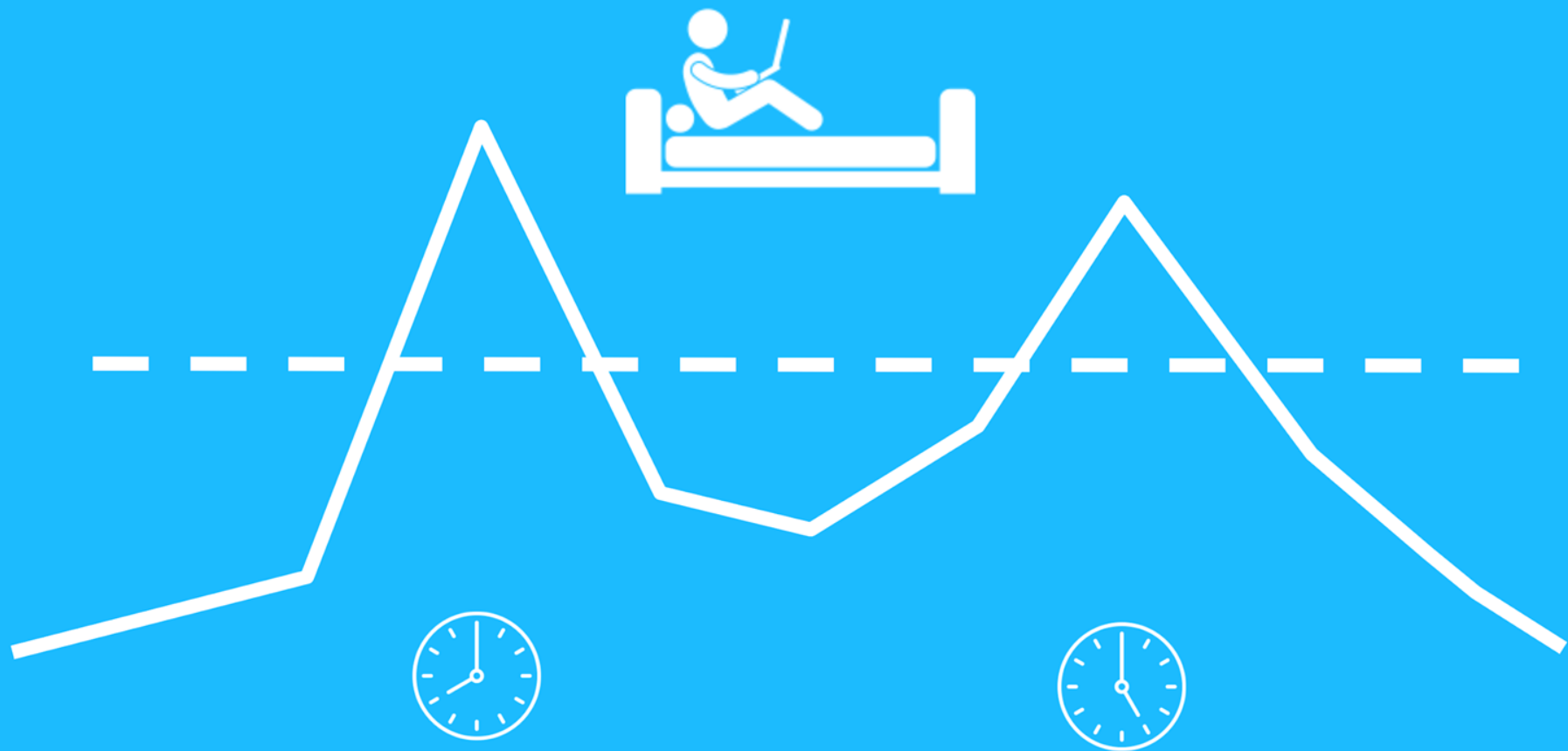
Data: United Nations World Urbanization Prospects  
2014. Minimum city population threshold: 300k.  
Cartography: D. A. Smith, CASA UCL.

75% Urban by 2050  
>3 Billion people shift to Cities













762

CA49819

8762

Clean Air Vehicle

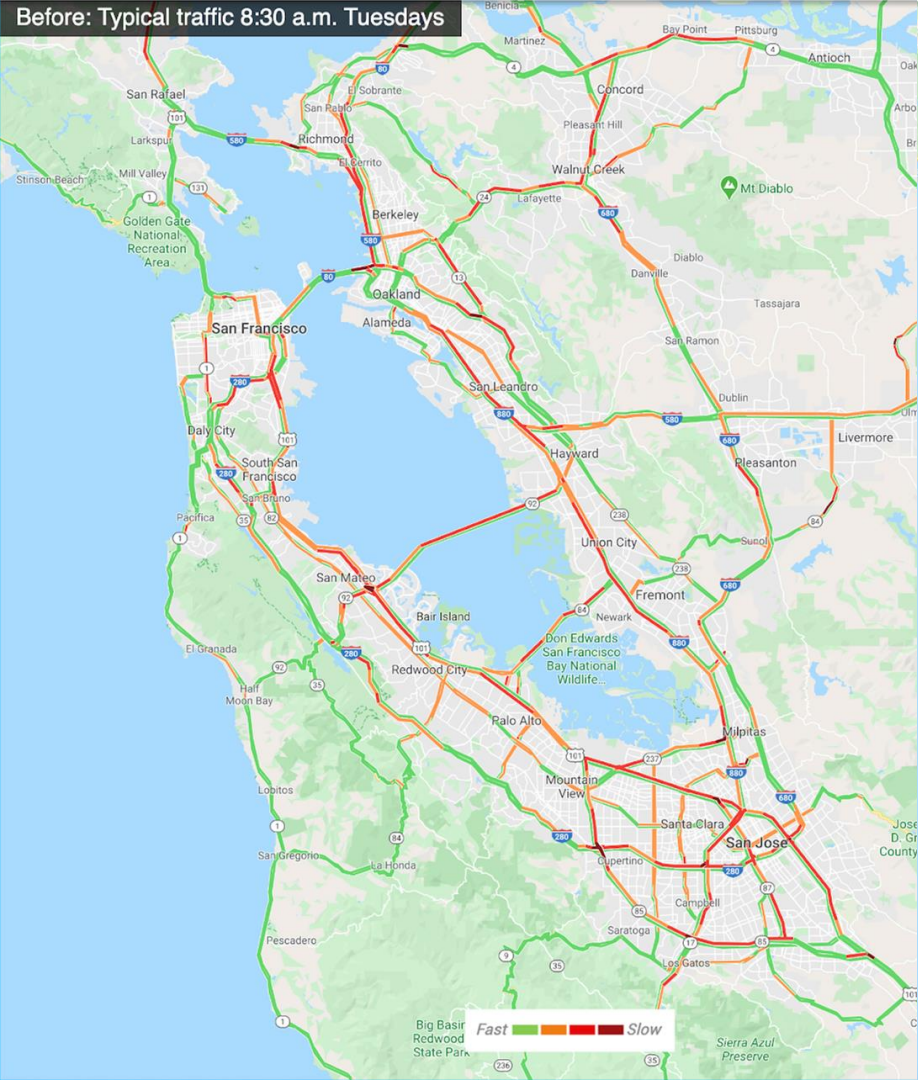
12 PACIFIC

Video, Phone & Conference Rooms.

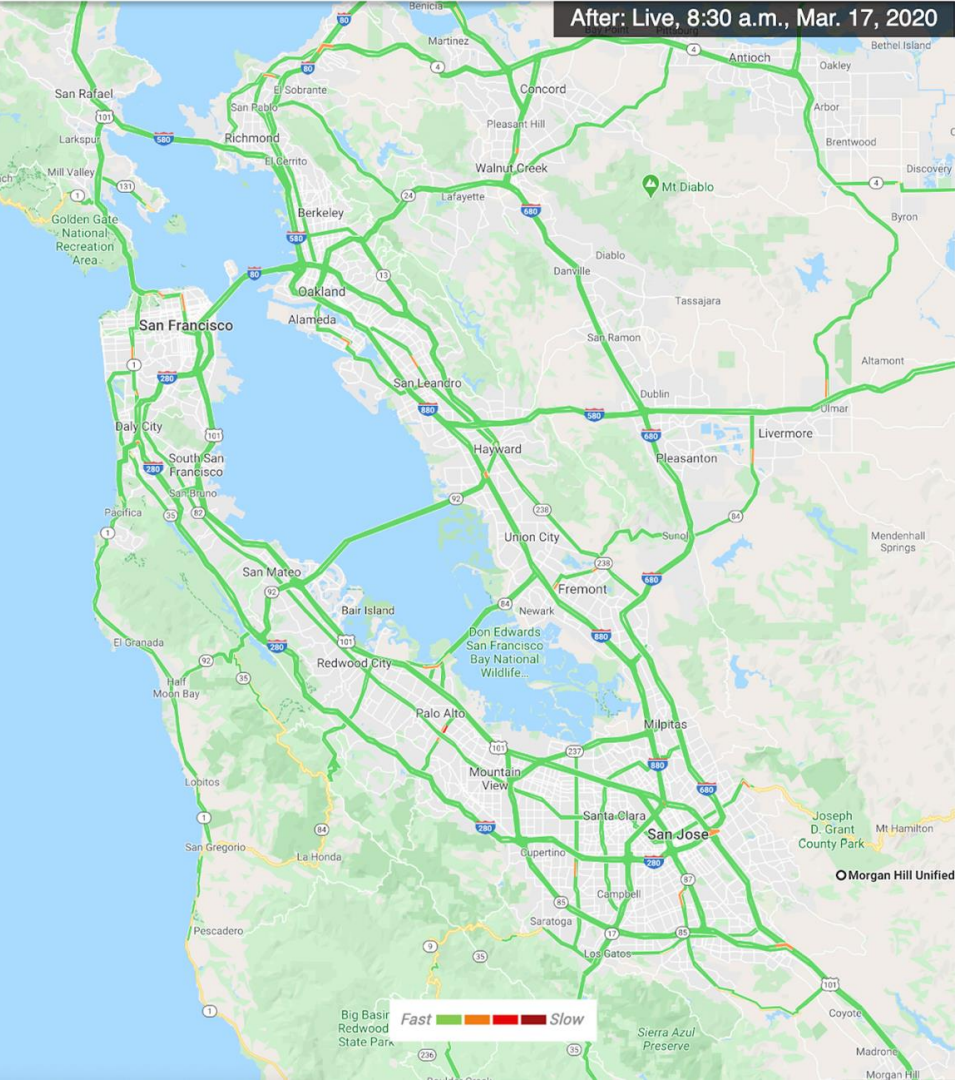
Meet Happy | zoom

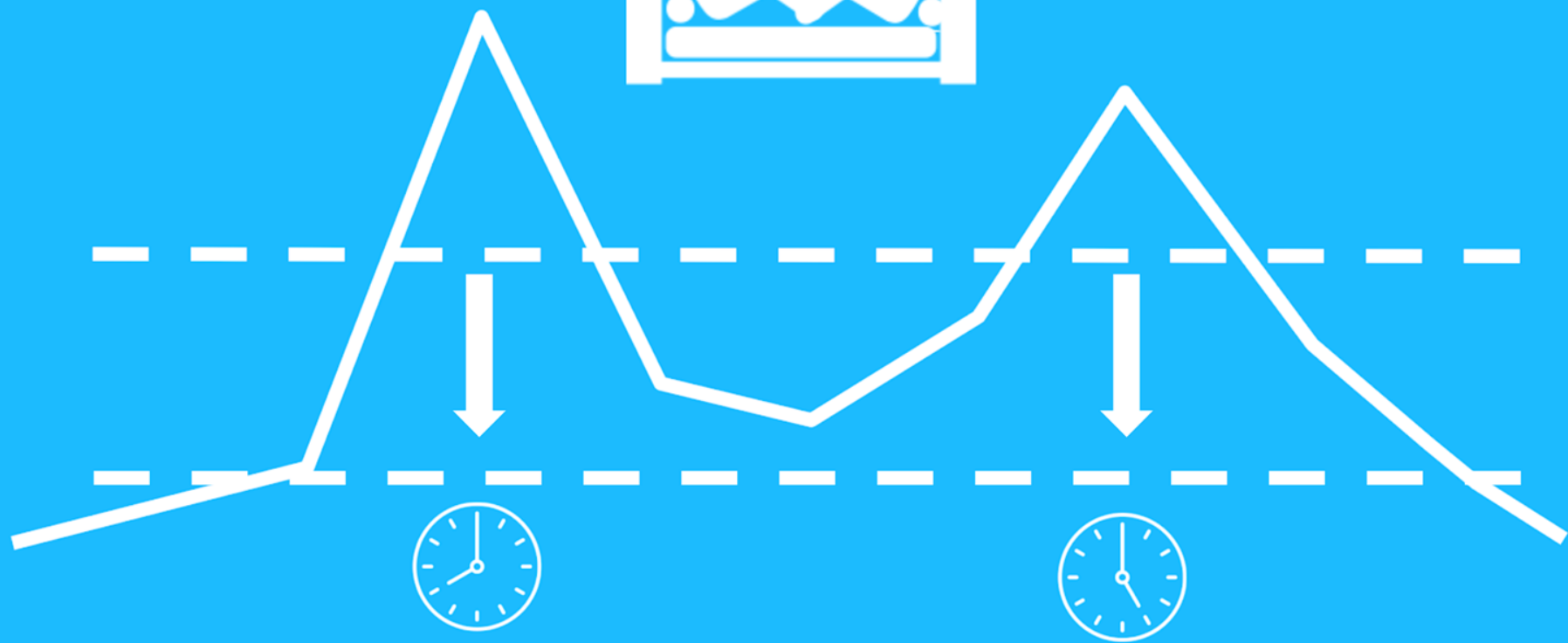


Before: Typical traffic 8:30 a.m. Tuesdays

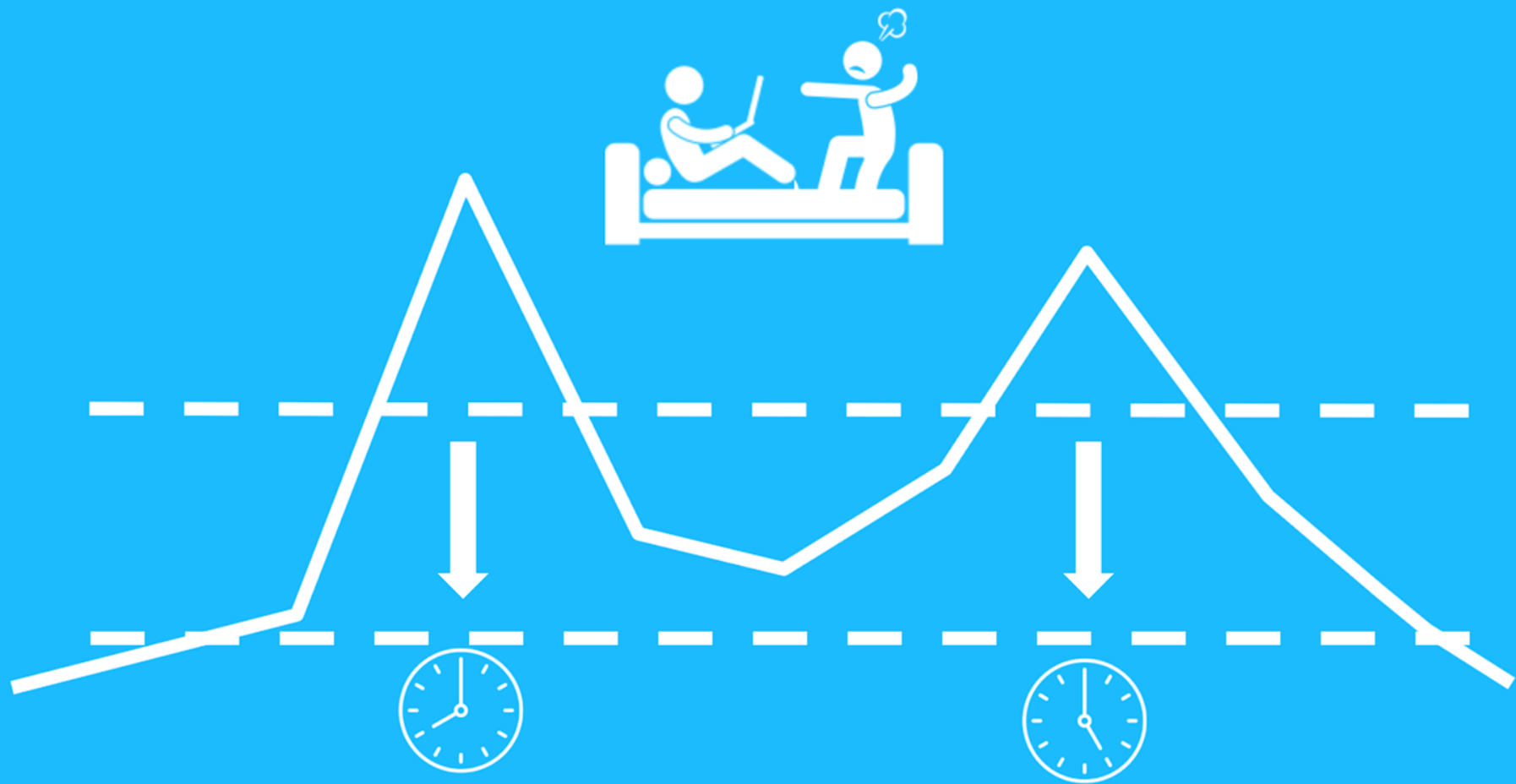


After: Live, 8:30 a.m., Mar. 17, 2020





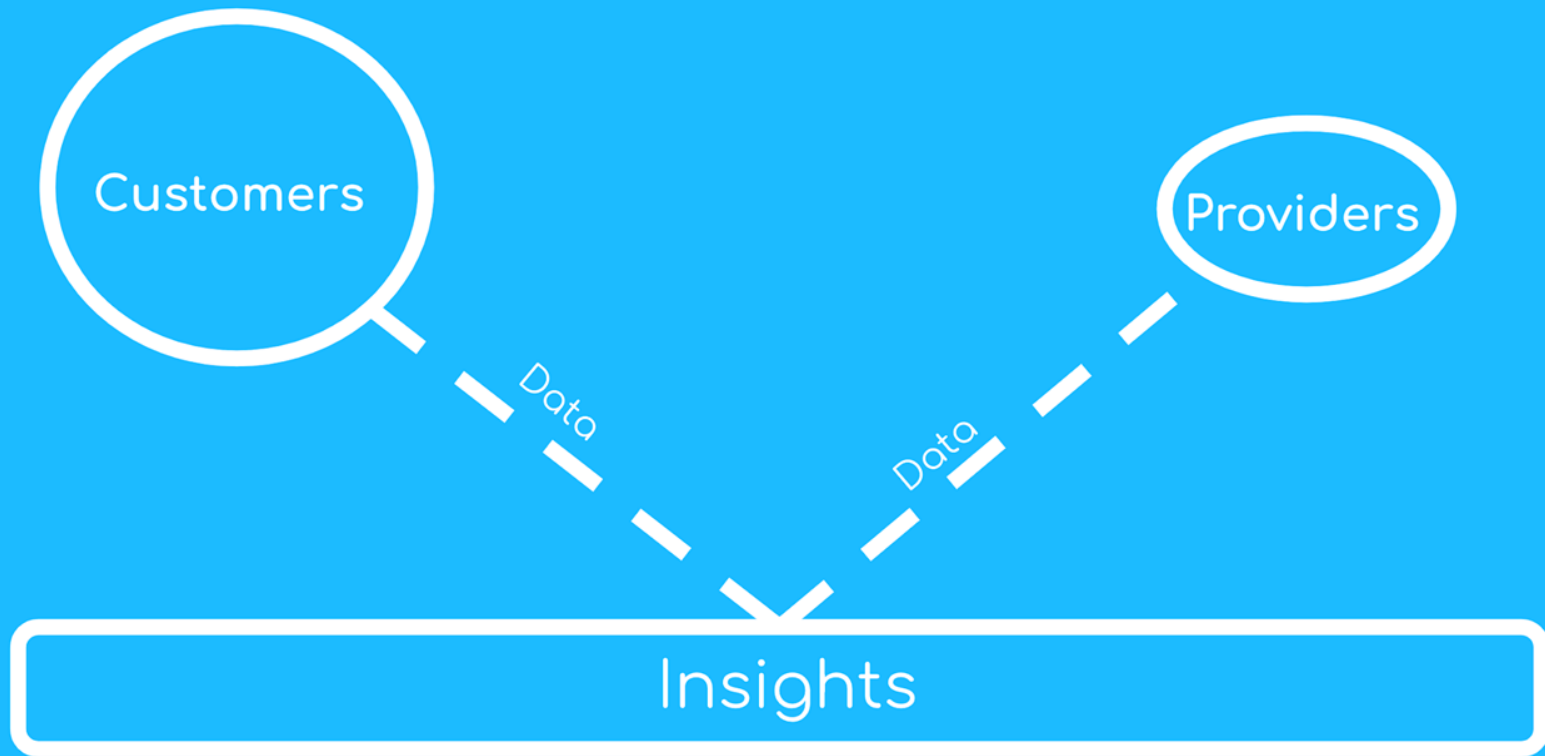




# Mobility Transition



# Platforms







# Mobility as a Service

## \$10tn by 2035



# Business Models



Own



Ride



Rent

# Hidden Subsidies



40% - 65%





# State of Mobility



75%

1.2M

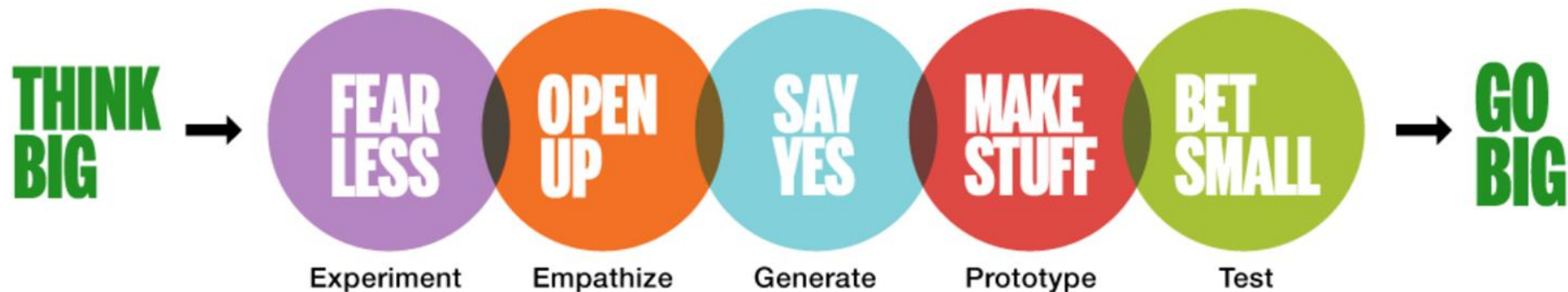
10

15%

The most  
dangerous phrase  
in the language is "we've  
always done it this way."

Rear Admiral Grace Hopper

# Shift in Mindset





# 2.0 GovOS

Emerging Transport Advisors 2019  
Concept: Timothy Papandreu  
Icons: The Noun Project various artists



Digital/Data  
Management



Public/Private  
Mobility Providers



Infrastructure  
Design/Implementation



eta



Public Governance Platform

# 2.0 GovOS



Neutral MaaS  
Operators



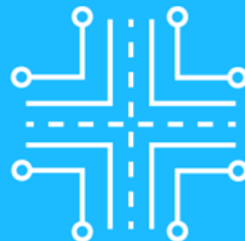
Emerging Transport Advisors 2019  
Concept: Timothy Papandreou  
Icons: The Noun Project various artists



Digital/Data  
Management



Public/Private  
Mobility Providers



Infrastructure &  
Facilities



eta



Public Governance Platform

Policies & Financing

Performance Measures

Design Guidance

# Guardrails



safety



equity



interconnectivity



affordability



sustainability



Incentives

Pricing

Restrictions





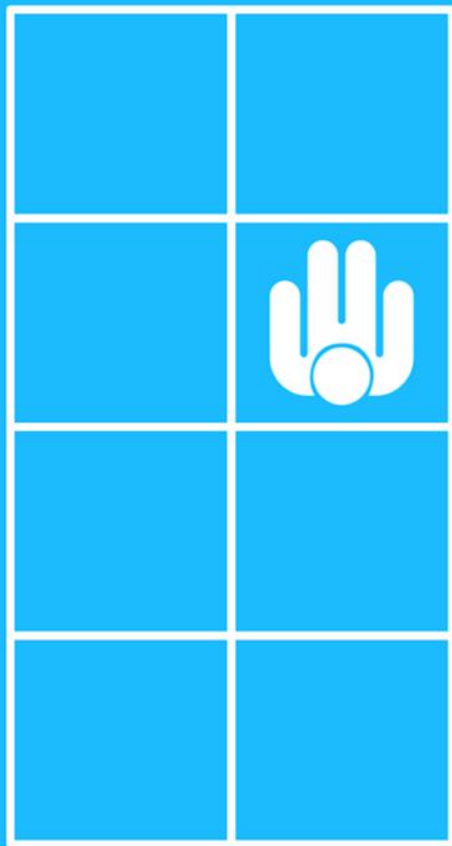
# Footprint Priority



1X



2X



8X



eta

# Model Equity



Concept: Timothy Papandreou ETA 2019  
Icons: The Noun Project various artists

# Operations Equity





CAR FEE  
STARTING  
JAN 29

NO PARKING  
2AM TO 6AM  
MON WED FRI  
STREET CLEANING\*

NO PARKING  
2AM TO 6AM  
MON WED FRI  
STREET CLEANING\*

January 2020

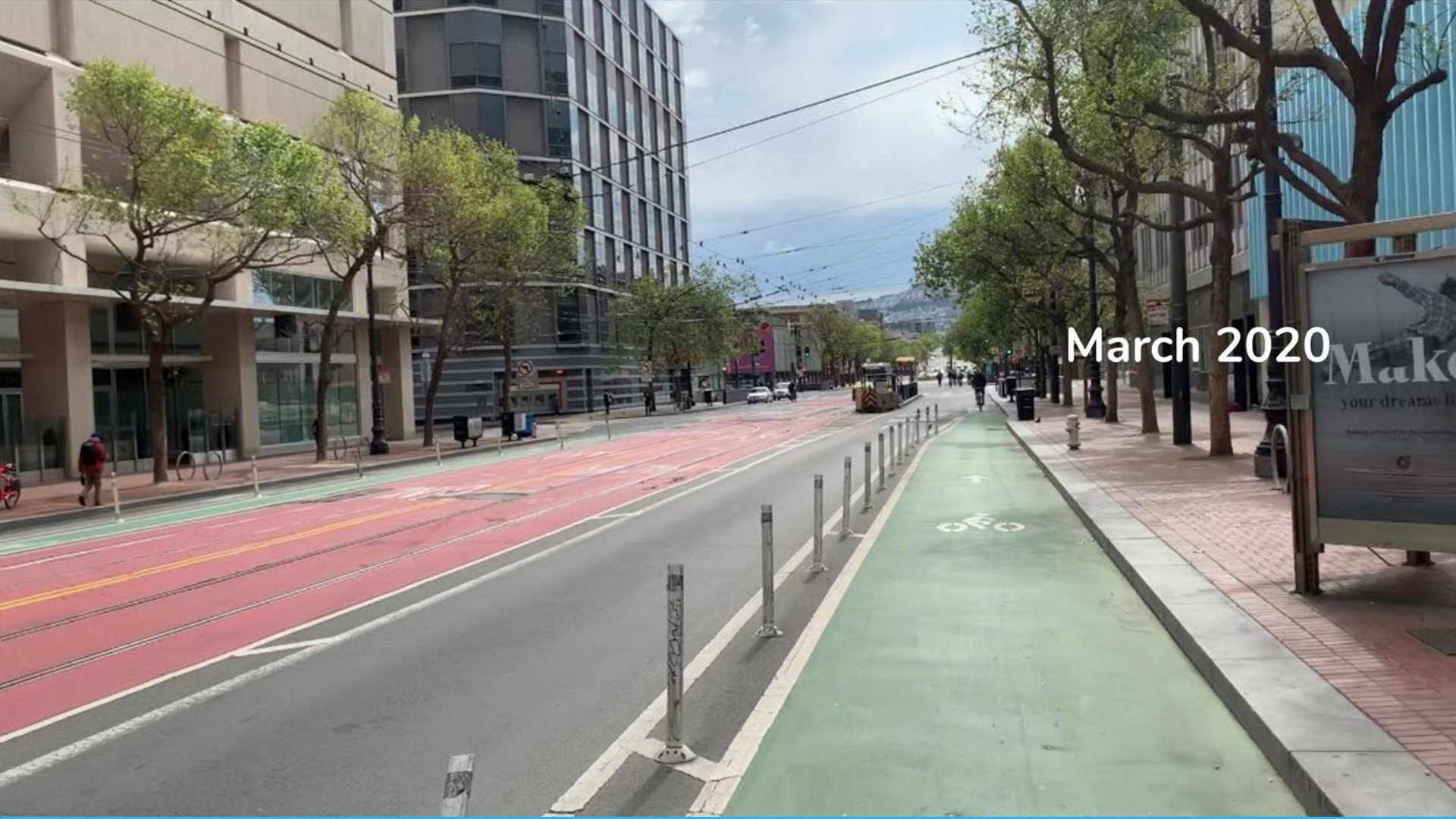




February 2020



March 2020

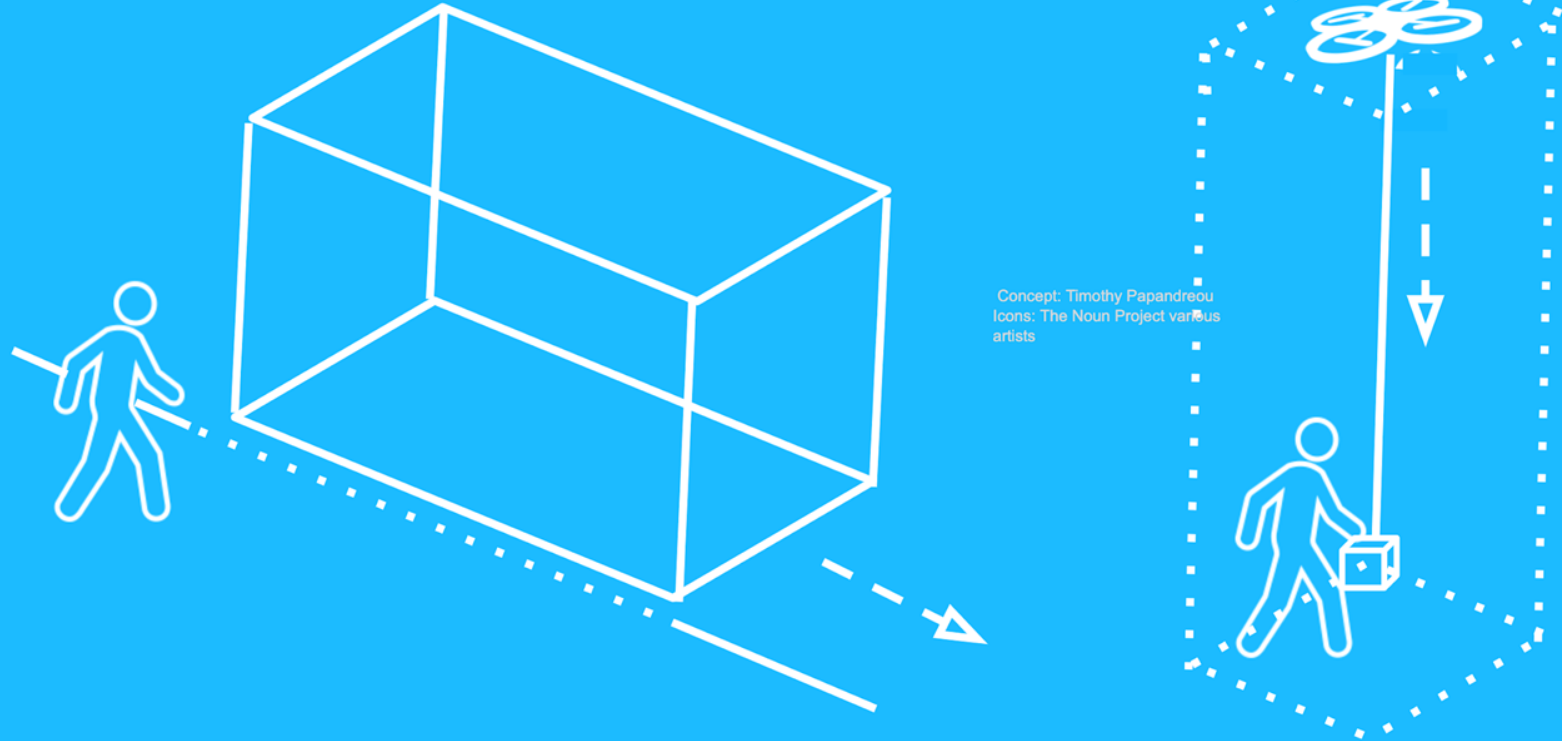








# Route + PUDO Pricing Equity



eta





Government



Community



Companies



Education



[emergingtransport.com/contact](http://emergingtransport.com/contact)



Timothy Papandreou



@tpap\_

