

A Sustainable Transportation Future

Visioning Success: Clean Transportation Scenarios & Pathways



Hawaii Clean Energy Day:
“Pathways to Clean Transportation”

August 28, 2018



blue planet
FOUNDATION

Shem Lawlor
Blue Planet Foundation
Sustainable Transportation
Coalition of Hawaii (STCH)



Sustainable Transportation Coalition of Hawai'i

A U.S. DEPARTMENT OF ENERGY CLEAN CITIES COALITION

- U.S. Dept. of Energy's Clean Cities Program (formerly "Honolulu Clean Cities")
- Established in 1994
- Rebranded as STCH in 2016
- Coalition of Stakeholders
- Administered by Blue Planet Foundation





BMW of Hawaii



STCH's Clean Transportation Vision:

1

Over 50% of trips by alternative modes

(walking, biking, transit, other alternatives to private auto)

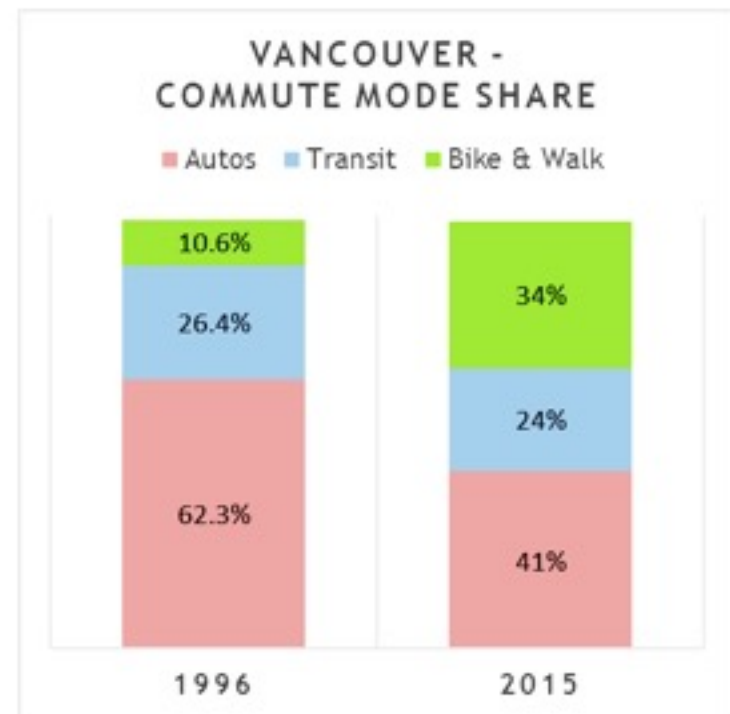
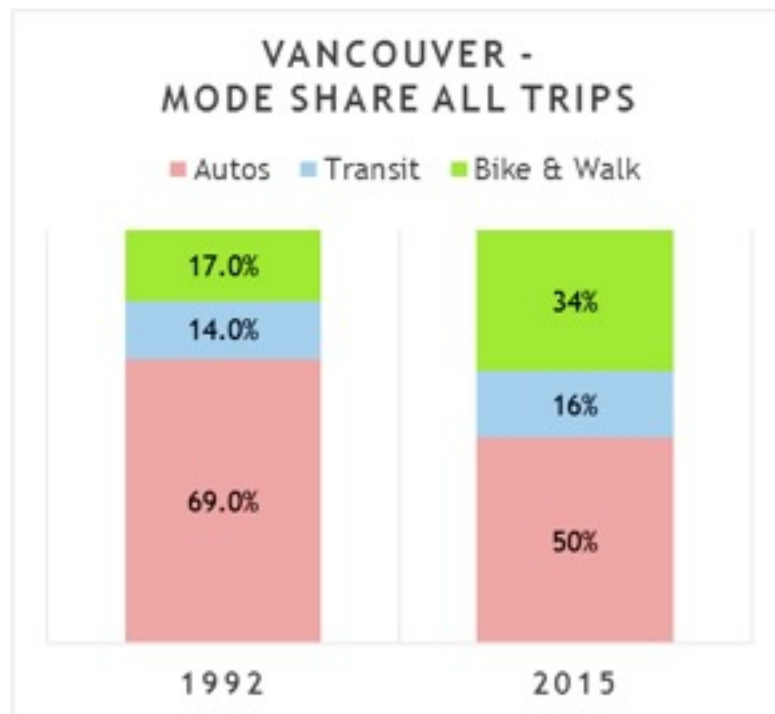
2

100% of vehicles powered by renewable sources



**100% CLEAN
TRANSPORTATION**

Vancouver Model: Aggressive Mode Shift



100% Clean Transportation Scenario: 2045

1. The Rise of Electrification



2. Transit shift to eBuses

3. Honolulu Rail



4. TaaS Revolution

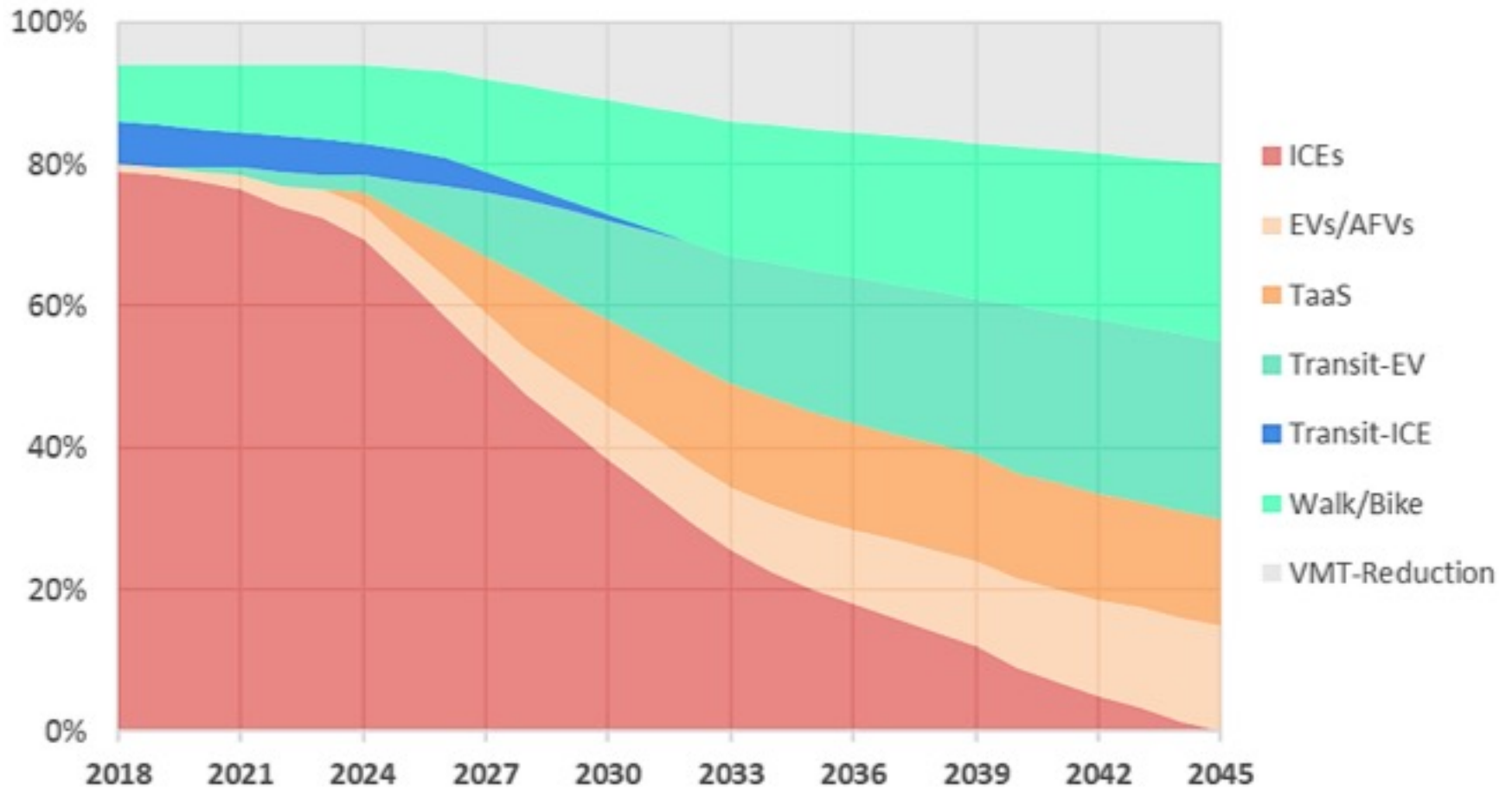


5. Maturation of Walkable Communities

6. VMT (trip, distance) Reduction

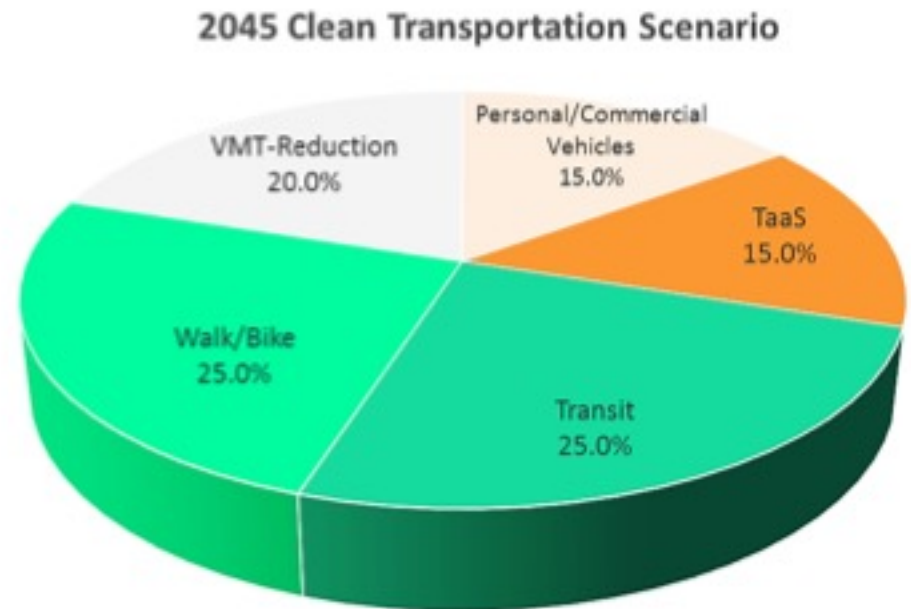


Honolulu 100% Clean Transportation Scenario



100% Clean Transportation Scenario: 2045

Mode	%
Personal/Commercial Vehicles	15%
Transit as a Service (TaaS)	15%
Transit	25%
Walk/Bike	25%
VMT (trip/distance) Reduction	20%





Mahalo!