



Sustainable Mobility

September 25, 2020

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the
climate
center

Sustainable Mobility - Outline

- Intro: The Climate Center's Sustainable Mobility Program
- Definition, Principles of sustainable mobility
- Current Realities/Policies/Funding
- Actions to Achieve Climate Goals

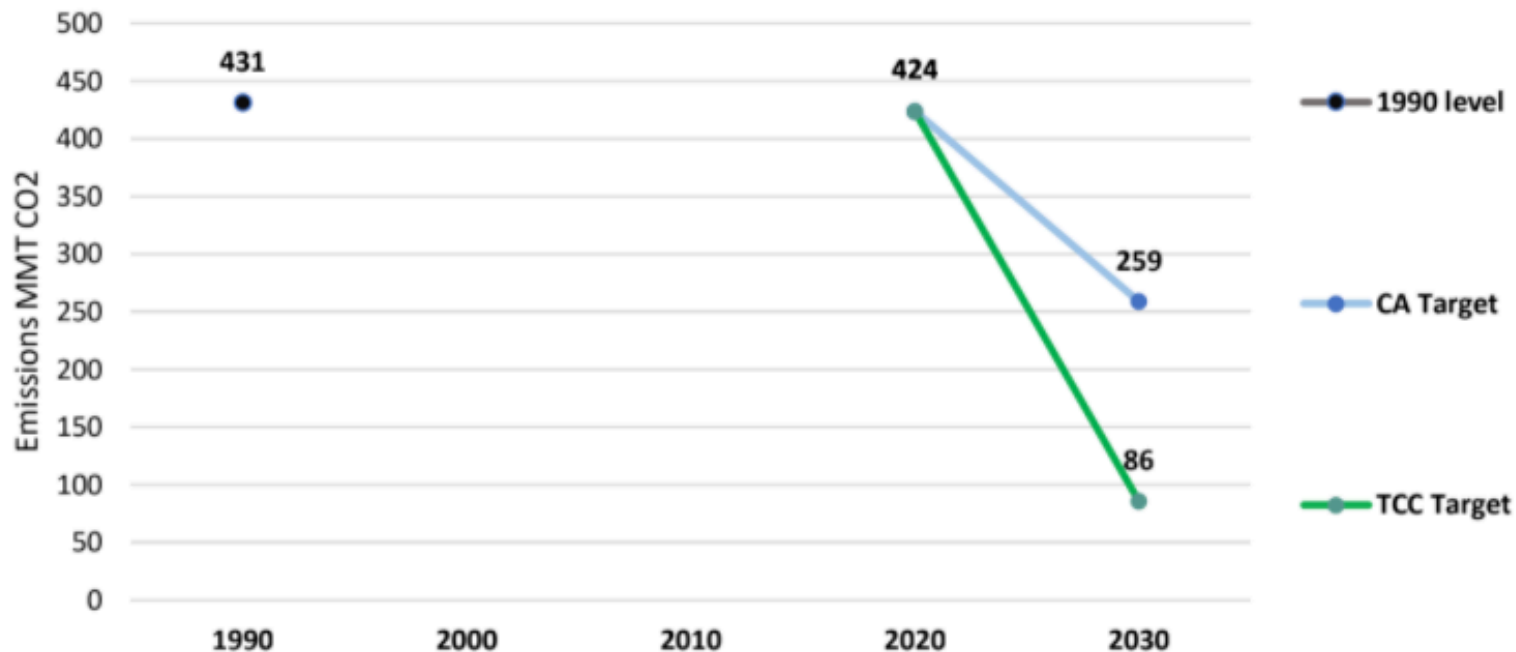
Urgency



Photo credit: SF Chronicle

The Climate Center

- Climate-Safe California goals—to get to 80% below 1990 levels by 2030
- Phase Out Fossil Fuels Program
 - Sustainable Mobility Program
 - Achieving an approximate 70 to 85 percent drop in vehicle emissions by 2030



TCC Key Program Element: Legislation enacted with date-certain for cessation of internal combustion engine (ICE) sales/registration



Actions to advance sustainable mobility

- Create Smart/Livable Cities
 - Complete Streets
 - Active transportation (walking, biking)
 - Transit Oriented Development
 - Clean Public Transit
- Avoiding unnecessary travel – borrowing from the three Rs – reducing Vehicle Miles Traveled (VMT)!
- Advocacy for access to broadband

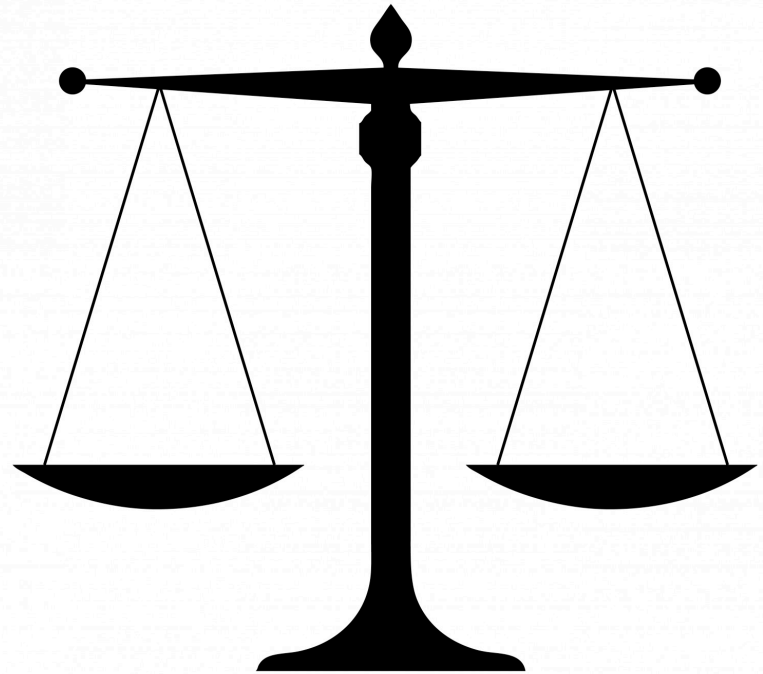
Definition

What does “sustainable mobility” mean?

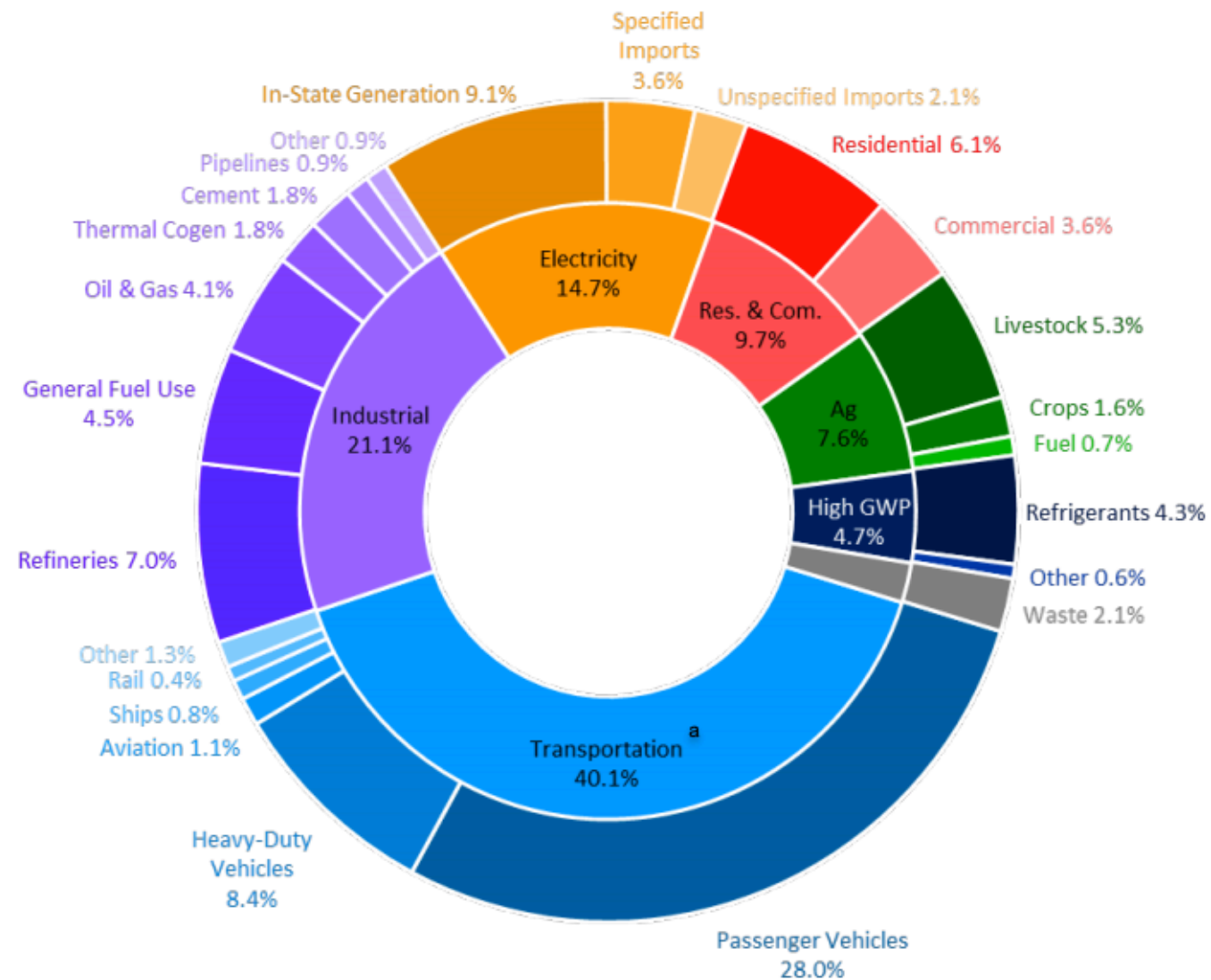
“A transportation system that is not dependent on fossil fuels or other finite resources, is clean and non-polluting, and is a just system, accessible for everyone, where public spending is equitable, and stakeholders participate in decision-making.”

Sustainable Mobility - Principles

- Equitable, Accessible, Affordable,
- Safe
- Clean/Zero Emissions
- Public Participation in decision-making – Transportation Democracy!
- Budget priorities must align with climate, equity, and other policy goals



GHGs from transportation in CA

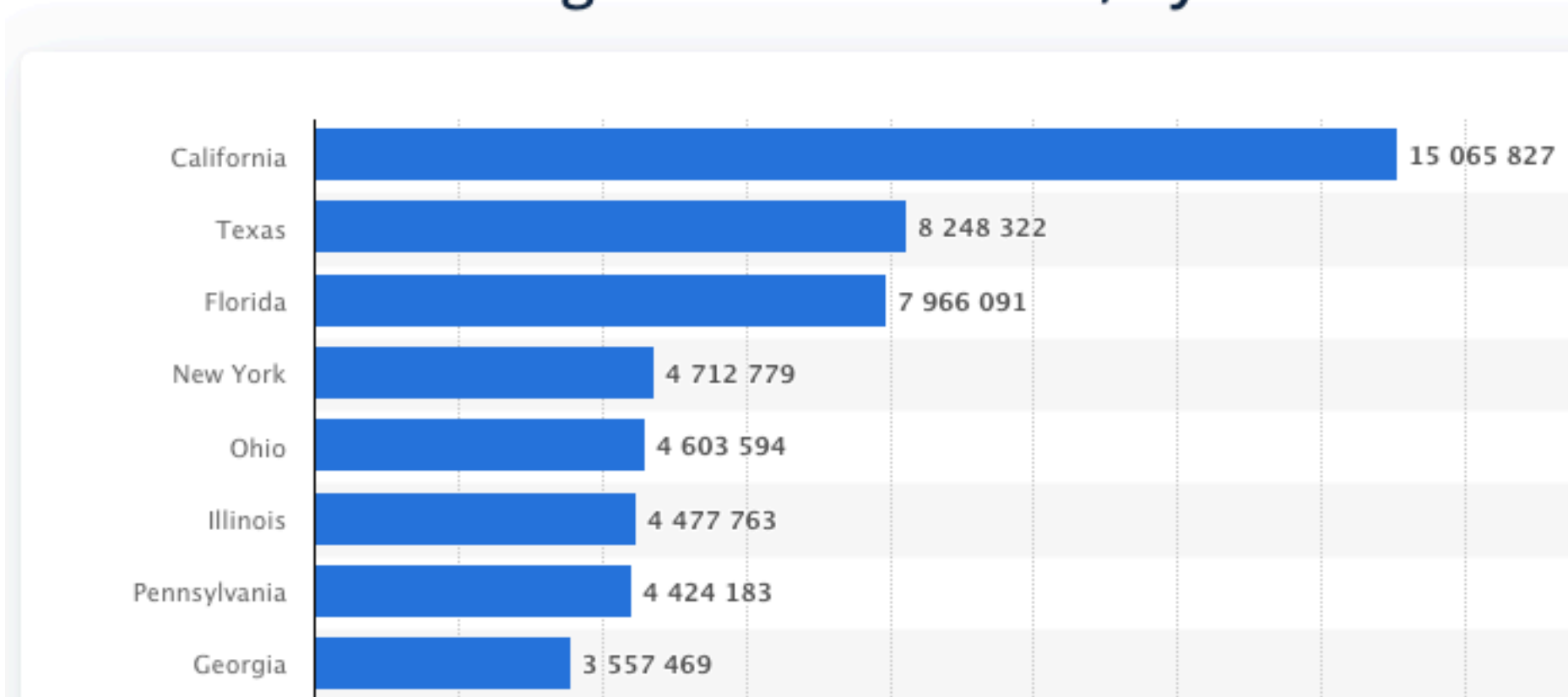


Low hanging fruit



There are about 15 Million cars in CA...

U.S. automobile registrations in 2018, by state



...and only about 730,000 are Zero Emission Vehicles

Drive Electric Week starts tomorrow!

National Drive Electric Week, Sep 26-Oct 4, 2020!

National Drive Electric Week™



driveelectricweek.org

The Community Choice Energy Connection



Transportation Policy – Where it Happens...



- CA Transportation Commission
- Air Resources Board
- State Legislative Committees
- Local Government

Local Govt. Policy: Complete Streets



Source: https://www.claremoreprogress.com/news/city-embraces-complete-streets-program/article_bde238a4-d4d1-11e9-b4c0-43628980fd26.html

Transportation Policy – Local Government

- Look at all aspects of local govt planning with a climate crisis lens
- Update 20th century permitting rules
- Stop permitting new gas stations like they are ice cream stands



Transportation Policy: long range plan



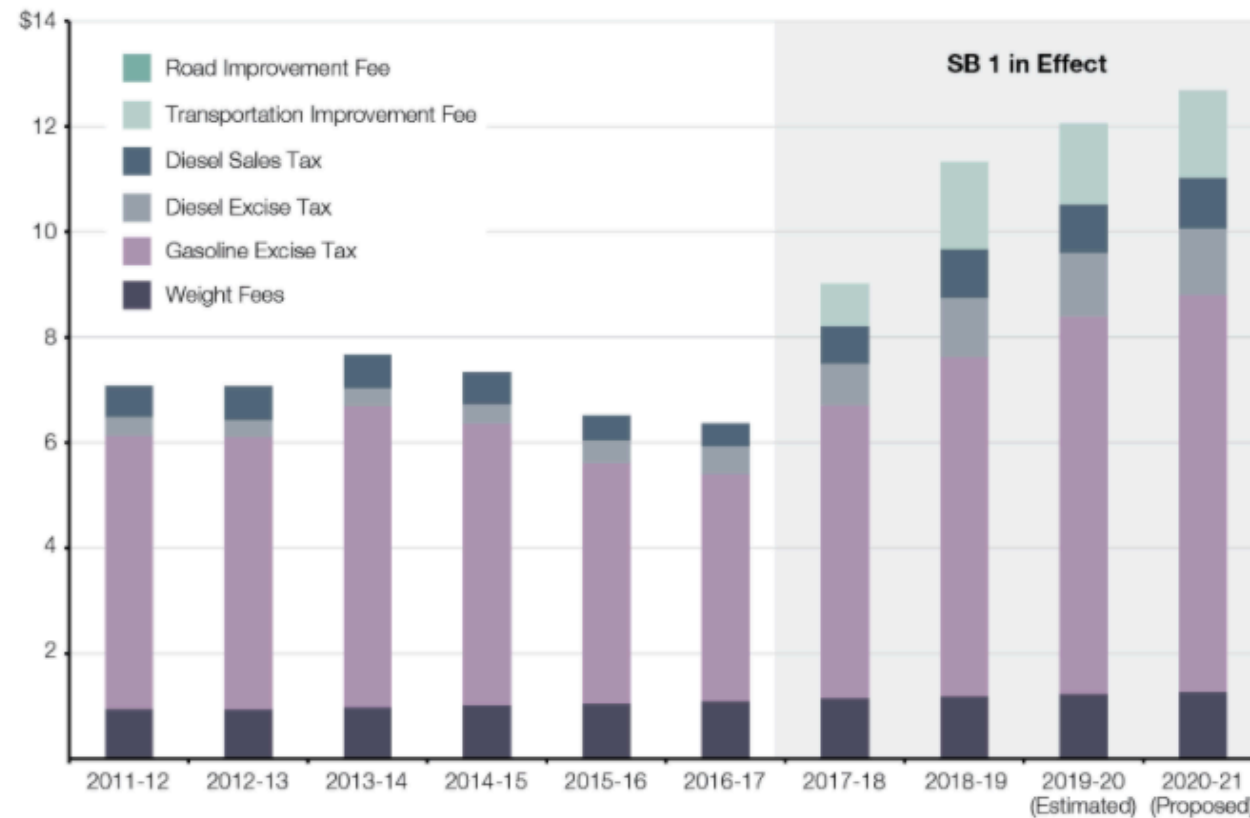
- California Transportation Plan 2050
- The State's long-range transportation plan to improve multimodal mobility and accessibility while reducing greenhouse gas emissions
- **Comment period ends on October 22, 2020.**

Go to: CA Trans Plan 2050: ctp2050.com

Transportation Funding

State Transportation Revenues Have Increased

(In Billions)



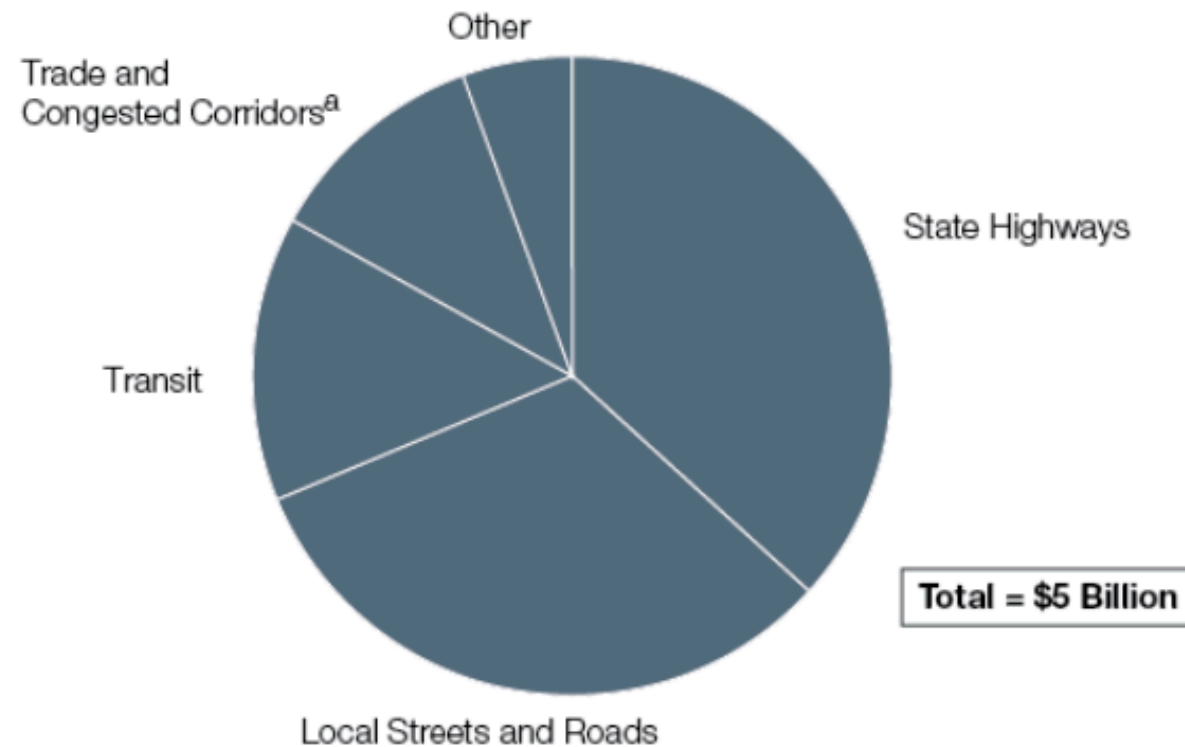
SB = Senate Bill.

LAOA

Source: <https://lao.ca.gov/Publications/Report/4149>

Transportation Budget Priorities

**SB 1 Revenues Mostly Support
State Highways and Local Streets and Roads**
2020-21



Source: Ca Legislative Analysts Office:

<https://lao.ca.gov/Publications/Report/4149#:~:text=The%20Governor's%20budget%20provides%20a,and%20programs%20in%202020%E2%80%91121.&text=Specifically%2C%20the%20budget%20includes%20%2415,local%20streets%20and%20roads%2C%20%242.>

Public Transit



- We all depend on public transit because we are dependent on the people who rely on transit to be where they are supposed to be... workers at hospitals, schools, grocery stores, and other service sector operations.

Trends

Ridehailing

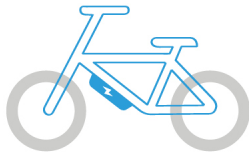
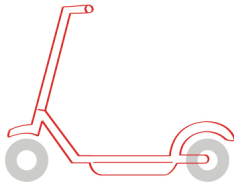
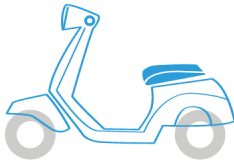
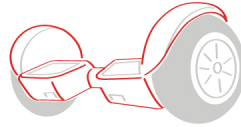




Image credit: <https://brazilian.report/business/2019/05/16/ride-hailing-apps-car-rental/>

Trends

Micromobility

TYPES OF POWERED MICROMOBILITY VEHICLES¹

	Powered Bicycle	Powered Standing Scooter	Powered Seated Scooter	Powered Self-Balancing Board	Powered Non-Self-Balancing Board	Powered Skates
						
Center column	Y	Y	Y	Possible	N	N
Seat	Y	N	Y	N	N	N
Operable pedals	Y	N	N	N	N	N
Floorboard / foot pegs	Possible	Y	Y	Y	Y	Y
Self-balancing ²	N	N	N	Y	N	Possible

¹All vehicles typically designed for one person, except for those specifically designed to accommodate additional passenger(s)

²Self-balancing refers to dynamic stabilization achieved via a combination of sensors and gyroscopes contained in/on the vehicle

What do we need?



Change can happen fast!



NYC 1900



NYC 1910

Thank you!



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