

Shared-Use Dockless Electric Vehicles

August 30, 2018



Issue

Cities across the country have experienced a quickly expanding trend of dockless, shared-use electric scooters, causing hazards to pedestrians and people with mobility issues.

That trend has resulted in new challenges for municipalities with these vehicles being operated, parked, and abandoned by users on streets, sidewalks and other public places.

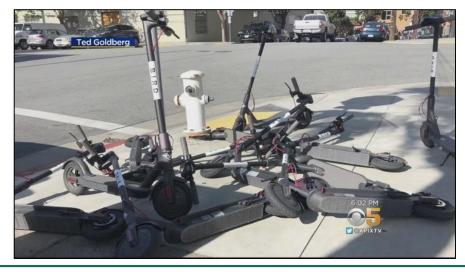
Chicago, Dallas, San Diego, Los Angeles, Atlanta



What We Want to Avoid









Proposed: Shared Mobility Ordinance

Prohibits operating, parking or abandoning a shared mobility device in public right-of-way or on public property.

Shared Mobility Devices are wheeled devices that:

- Have a motor
- Are accessed via on-demand portal (smartphone app, membership card or similar)
- Are operated by a private entity that owns, manages and maintains devices for shared use by the public
- Are available through un-staffed, self-service locations



Proposed: Shared Mobility Ordinance

Does Not Cover Privately owned and operated:

- Electric Assisted Bicycles
- Motorcycles
- Electric Personal Assistive Mobility Device
- Personal Transportation Vehicles

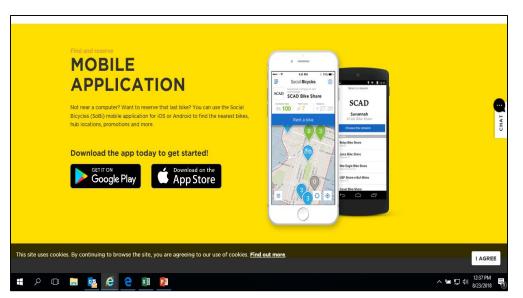
- Mopeds
- Automobiles
- Electric Personal Transportation Vehicles



Questions



SCAD Bike Share



- Currently operates 150+ dockless bicycle system for students
- Bikes are used primarily as transport between classes
- They've reported good success with usage





Electric Scooter (E-Scooter)

- Operates with an on board motor
- Typical top speed is 12-15 mph
- Rented on a per minute basis typically through an App



Electric Assisted Bike (E-Bike)

- Maintains the same frame and shape of a typical bicycle
- Motor is attached to the bicycle usually near the gears
- Bike can be used with or without the motor
- Typical top speed is 18-25 mph









Electric Personal Transportation Vehicle

- Defines various types of devices
- Typical top speed is less than 20 mph
- Can also mean low speed vehicles/golf carts
 - Operation of golf carts is currently not allowed in the city except by public safety exception





Electric Personal Assistive Mobility Devices,

- Usually used for the disabled or those with limited ability to walk
- Typical top speed is less than 10 mph
- Generally legal on all right of way and in doors