MDS & Micromobility Management in Washington, DC

3/14/2023

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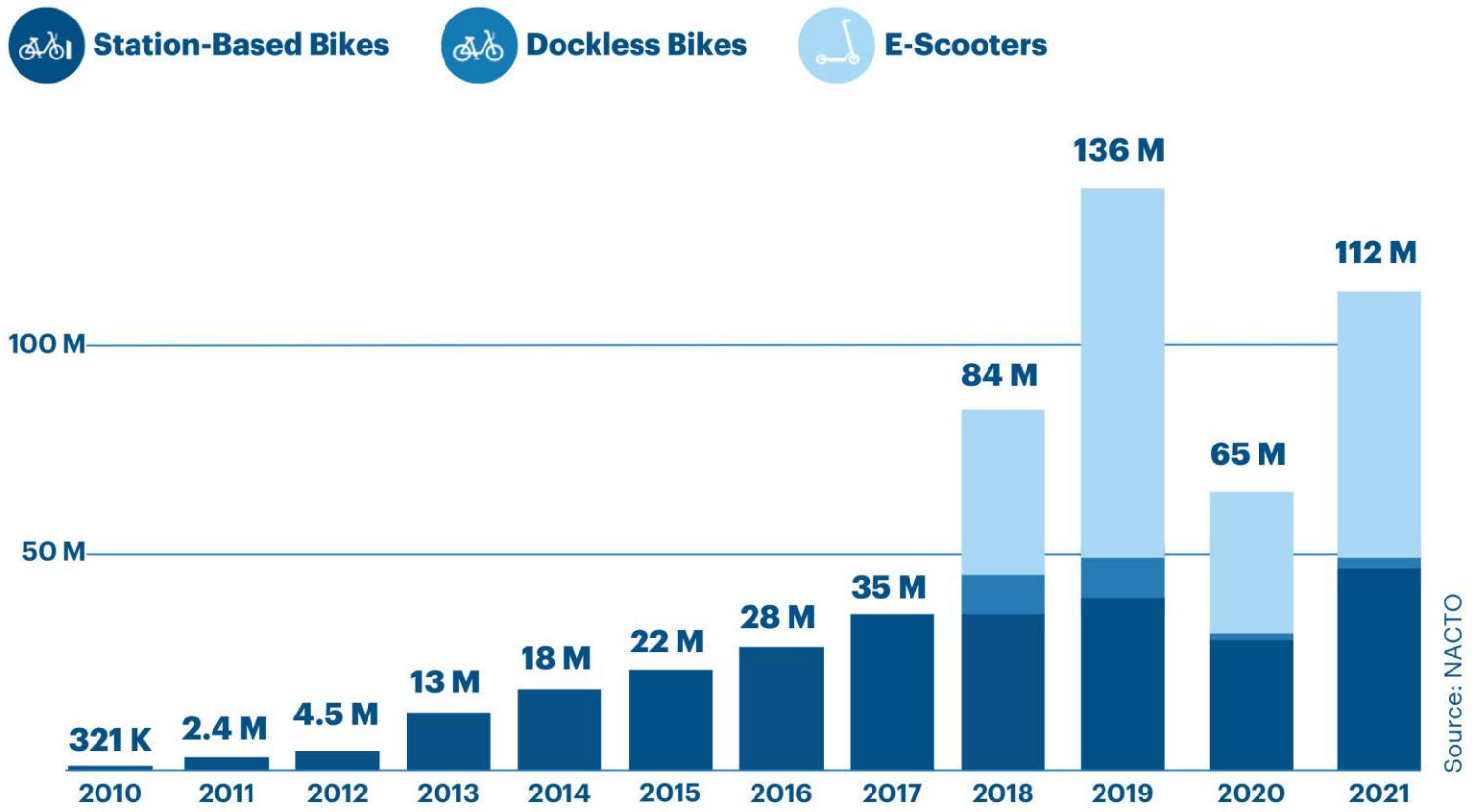
District Department Of Transportation

Agenda

- Background on Shared Micromobility in the USA
  - National trends in ridership and price
  - Performance in the District since 2019
- MDS & Shared Fleet Devices
  - Permit Program overview
  - Permit terms
  - Public Dashboard
  - Private Dashboard

Shared Micromobility Ridership in the U.S. from 2010-2021

IN MILLIONS OF TRIPS



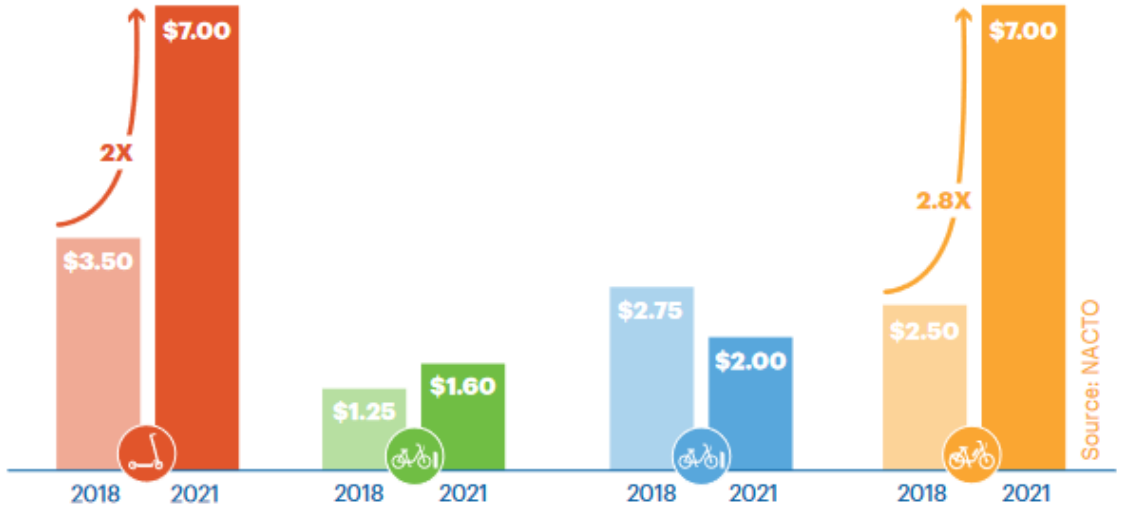
Since the introduction of the country's first bike share system in 2010, people in the U.S. have taken half a billion trips total on shared micromobility

Source: NACTO SHARED MICROMOBILITY IN THE U.S. 2020-2021

The Average Trip

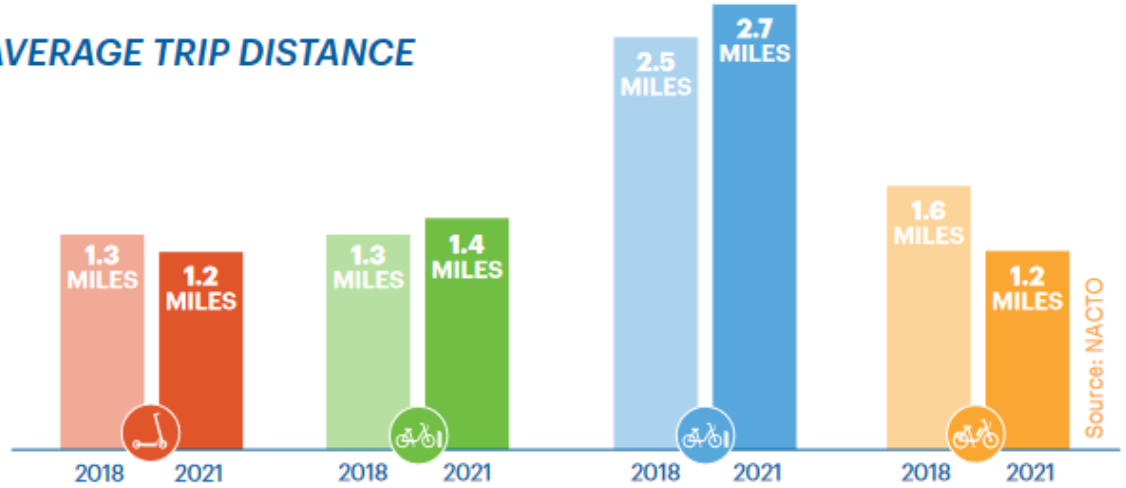
While trip lengths on shared micromobility have largely remained the same, trip prices for dockless bikes and e-scooters have increased since 2018.

AVERAGE TRIP COST



- E-Scooter
- Station-Based Bike Share (Member)
- Station-Based Bike Share (Casual: pay-per-ride & day-passes)
- Dockless E-Bikes

AVERAGE TRIP DISTANCE



Source: NACTO SHARED MICROMOBILITY IN THE U.S. 2020-2021

Capital Bikeshare

Launched in 2010

700 stations

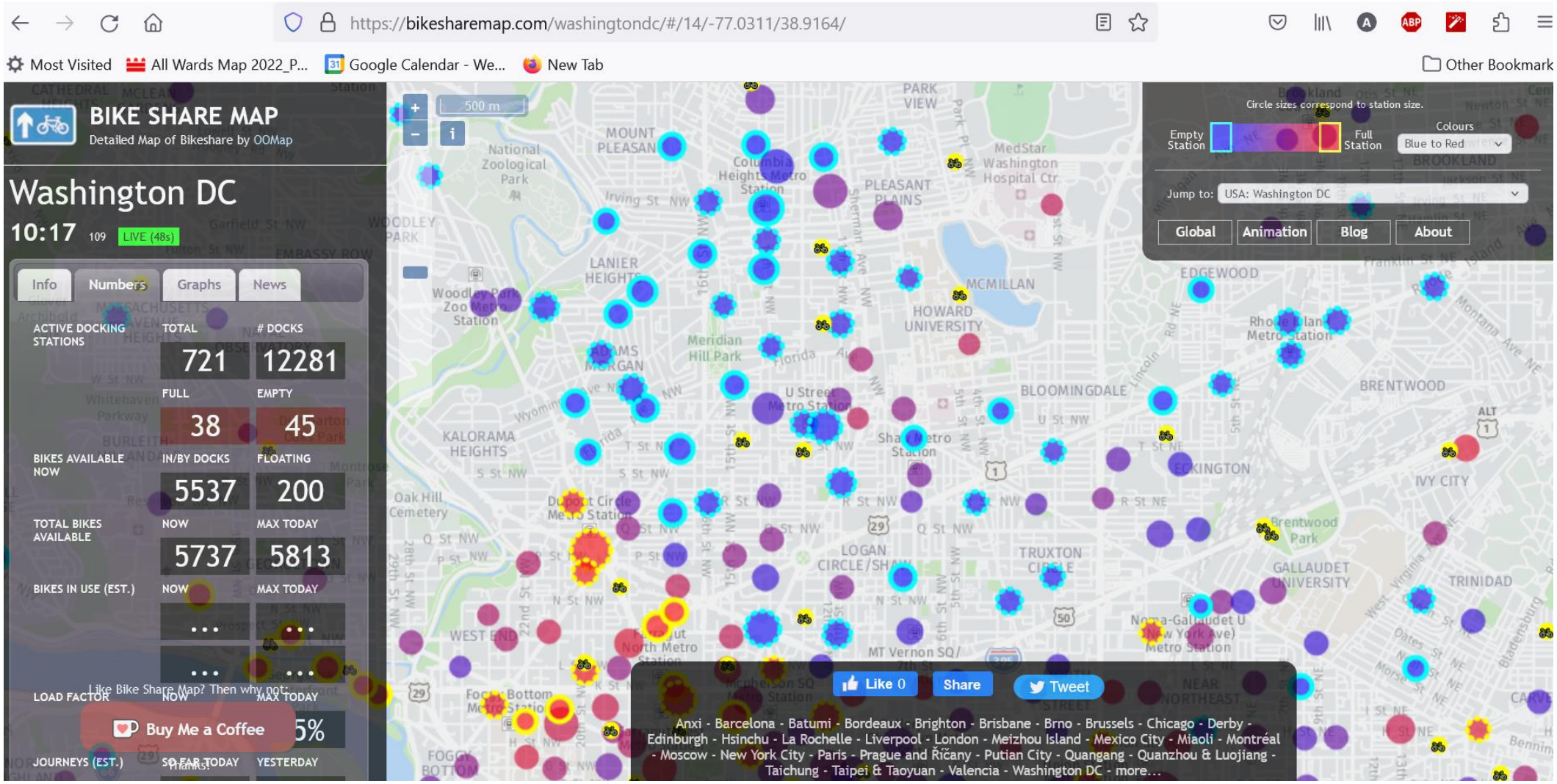
4,500 pedal bikes

1,000 ebikes

~3,000,000 annual trips

GBFS data

Public GBFS tools for Capital Bikeshare Management



Fares Comparison

CaBi Members

$95 per year,

Free 45 minute pedal bike trips, $0.05 per minute after

Free ebike unlocks, $0.10 per minute

CaBi Non-members

$1 to unlock ebikes and pedal bikes

$0.05 per minute pedal bikes

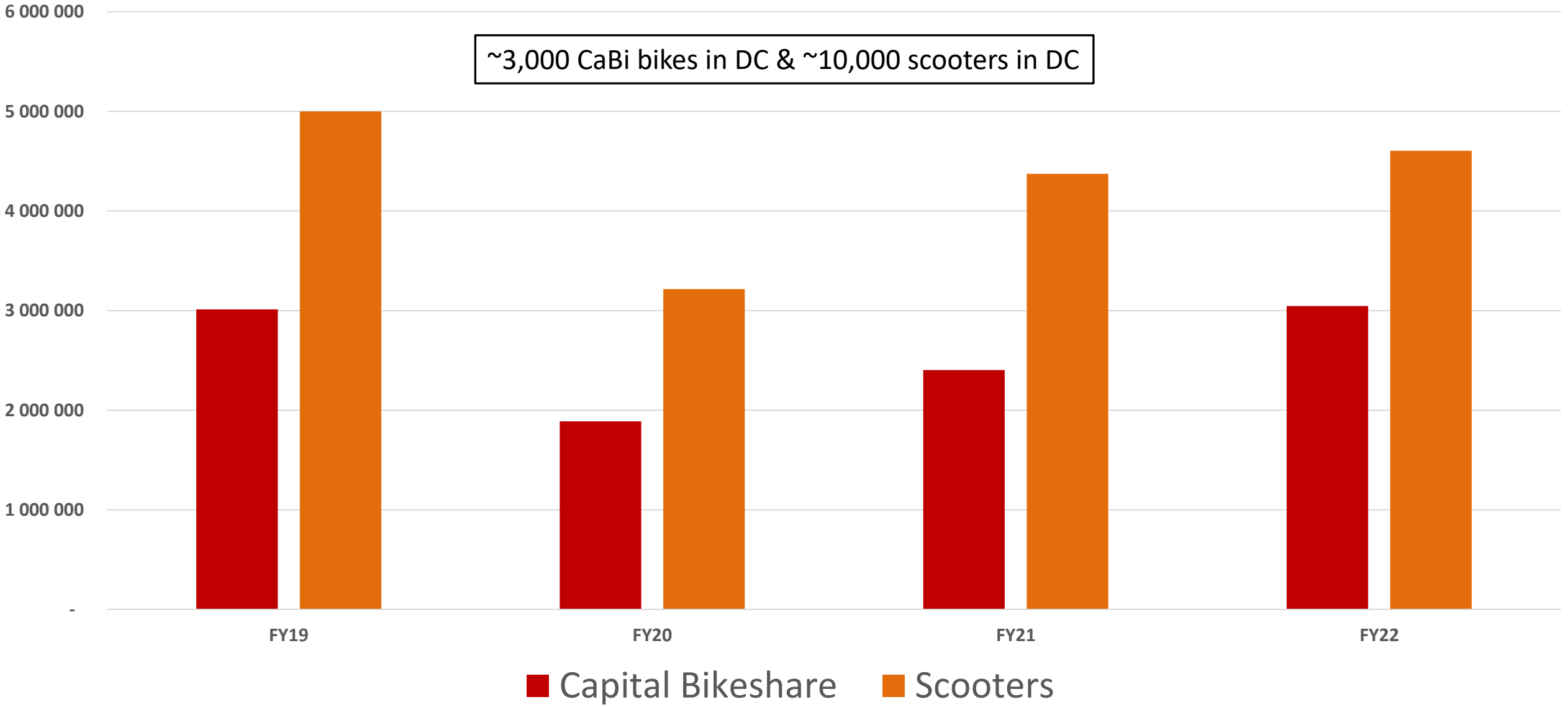
$0.15 per minute ebikes

Dockless Scooters & Ebikes

No membership option

Typically $1 unlock and $0.39 per minute

Capital Bikeshare and Scooter Ridership



Shared Fleet Device Program Overview

- Permit Process Recap
- Permit terms and conditions
- Review of permitted operators
- Public Dashboard

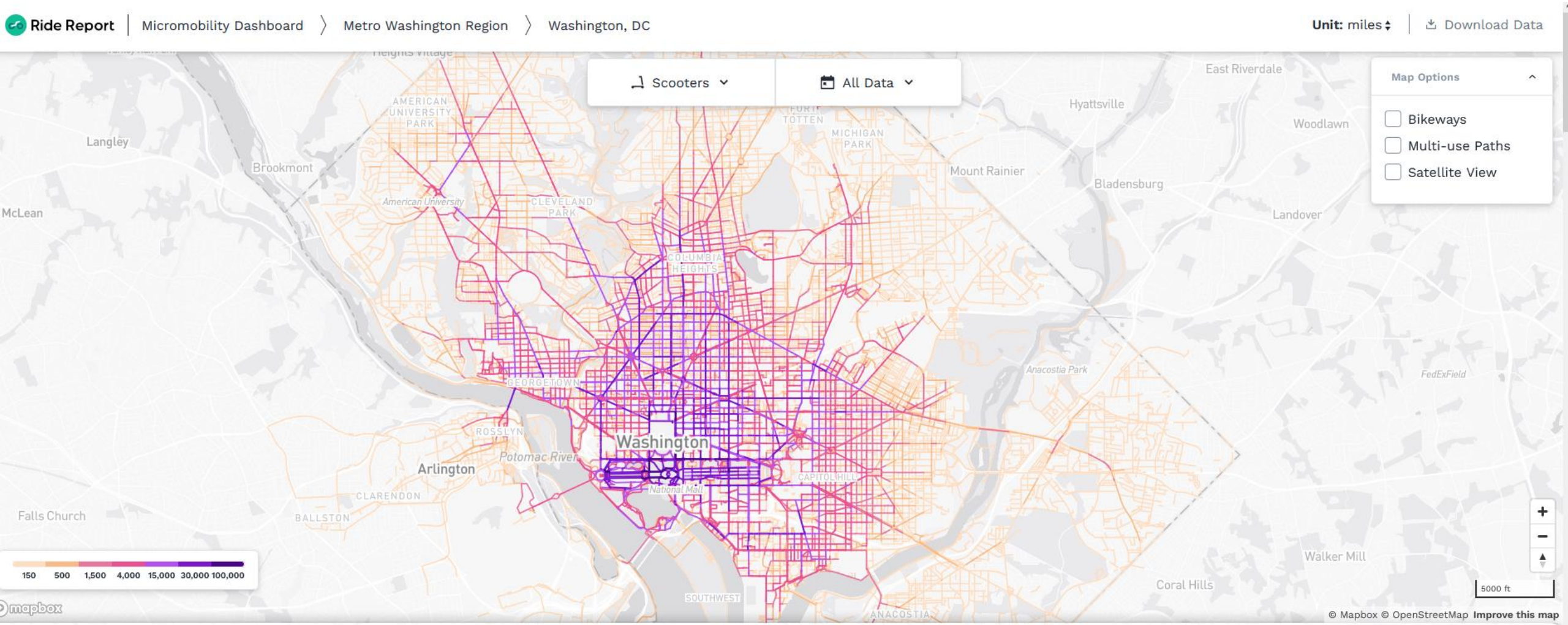
Shared Fleet Device Permit Application

- Between three and nine permits may be awarded for bikes or scooters, no more than five of which may be for scooters.
- DDOT received 8 applications for the 5 scooter permits and 5 applications for shared bike permits
- All incumbent operators applied for new permits
- Seven permits awarded on 1/1/2023:
  - Scooter Permits: Lime, Lyft, Spin, Veo
  - Bike Permits: Lime, Spin, Veo

Review of permitted operators

Operator	Scooters	ebikes
Lime	2,500	2,500
Lyft	2,500	N/A
Spin	2,500	500
Veo	720	720

Public Dashboard for Shared Fleet Devices



Population	Average Vehicles	Total Trips	Total Distance	Average Trip Speed
670,050	3,541 vehicles	11,054,500 trips	14,645,229 mi	4.5 mi/hr

Shared Fleet Device permit conditions

- Permit conditions include:
  - 20,000 max scooters permitted citywide – divided among permit holders
  - Operators must deploy 3% of fleet per Ward per day
  - Operators may not exceed 35% of fleet in a single Ward
  - Fleet increases and permit fees structured to incentivize low-income program enrollment & low-income trips

Strategy #29:

INCREASE ACCESS TO SHARED MOBILITY

Ensure that all public space permits issued to private mobility operators require vehicle distribution throughout the District and offer incentives that encourage use by low-income residents.

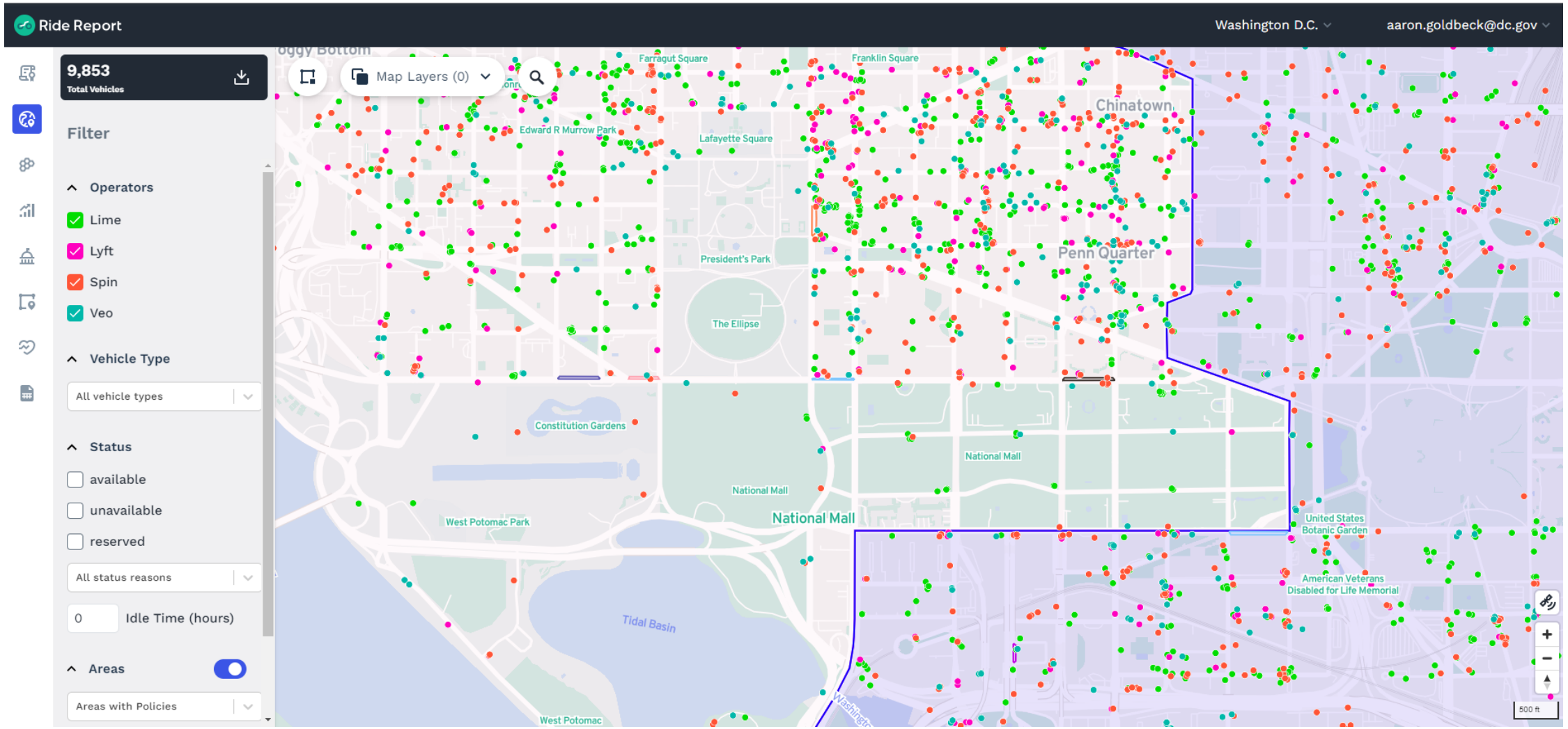
Implementation Steps

- 1-2 Develop and update requirements for mobility providers; develop dashboards
- Maintain dashboards

Metrics

- Strategy completion

Private dashboard for Share Fleet Device program



District Department of Transportation

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