

Attachment #1

**North Shore Municipalities' Presentation from
Sustainable Transportation Task Force Meeting
September 20, 2021**



E-Bike Share on the North Shore

Presented September 20, 2021
City of New Westminster

Presentation Outline

- E-bike share pilot background
- E-bike share launch experience
 - Early data & observations
- Respond to questions

E-Bike Share Overview

Background on the North Shore's approach

Purpose of the Pilot

- Provide an additional sustainable & healthy transportation option
- Understand demand for shared micromobility and impact on transportation network
- Understand potential for modal shift



Purpose of the Pilot (Continued)

- Develop experience in multi-party/regionally-managed shared micromobility
- Pilot to run in parallel to personal e-scooter pilot to inform future policymaking



Planning Timeline



North Shore Approach

Guiding Principles:

- **Policy** – 2-year pilot program parameters + goals

Enabling Actions:

- **Street and Traffic Bylaw** – amendments to create new permit, regulations
- **Bylaw Notice Enforcement Bylaw** – new fines for permit, misuse of parking locations

Implementation Actions:

- **Permit Guidelines** – operational requirements for permit applicants
- **Business license** – new business license category

North Shore Approach (cont'd)



Safety



**Liability
& Insurance**



**Service
Availability**



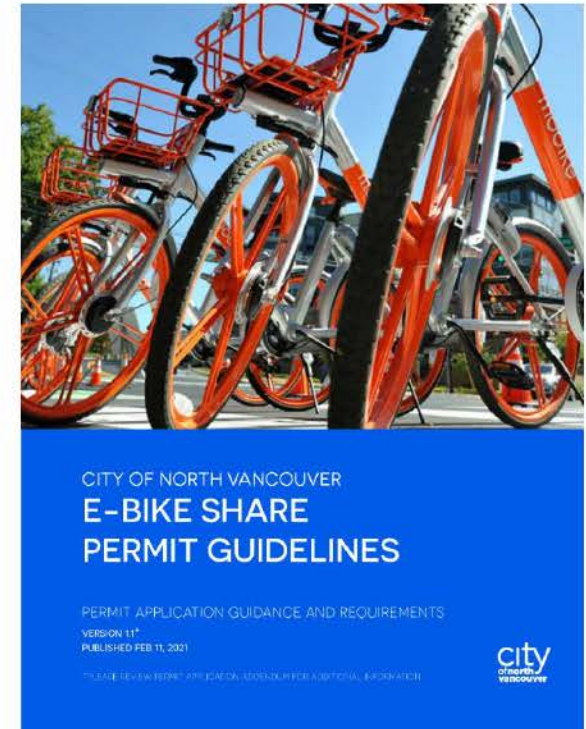
**Data
Sharing**



**Operations
& Parking**

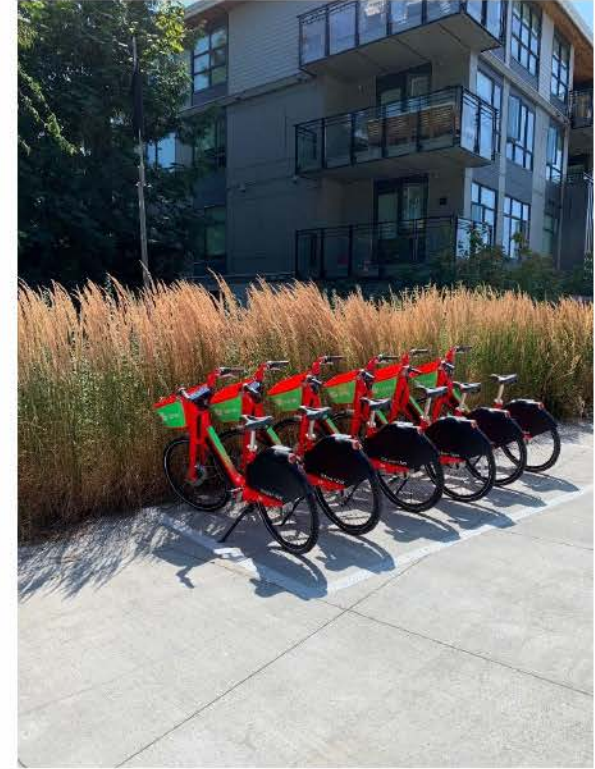


**Monitoring
& Enforcement**



Parking & Operations Model

- E-bikes to be parked in designated location known as “Groves”
- Operator is responsible for re-balancing e-bikes between havens
- Locations, designs, and materials require municipal approval
- Operator covers all installation costs



Service Area

Upon launch:

- 24 groves in CNV
- 6 groves in DNV



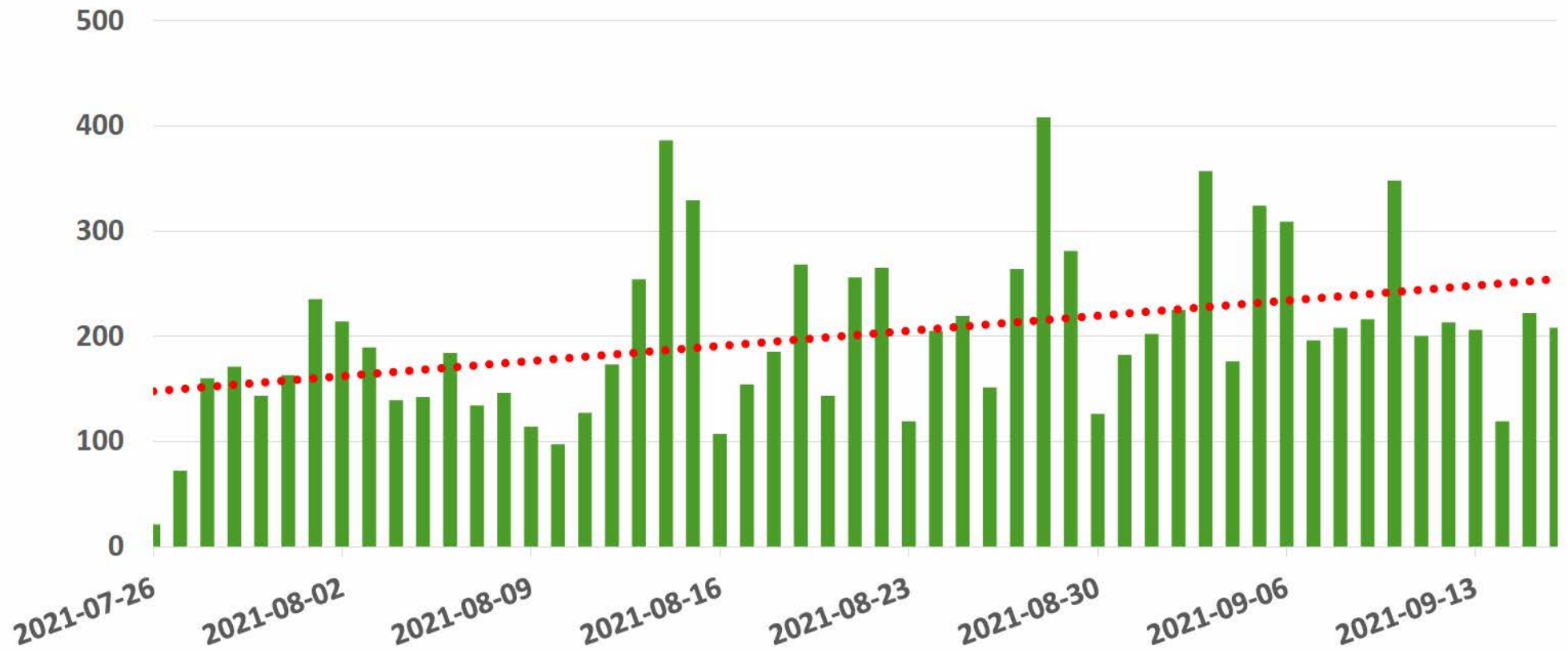
Early Lessons

What we've learned since launch day

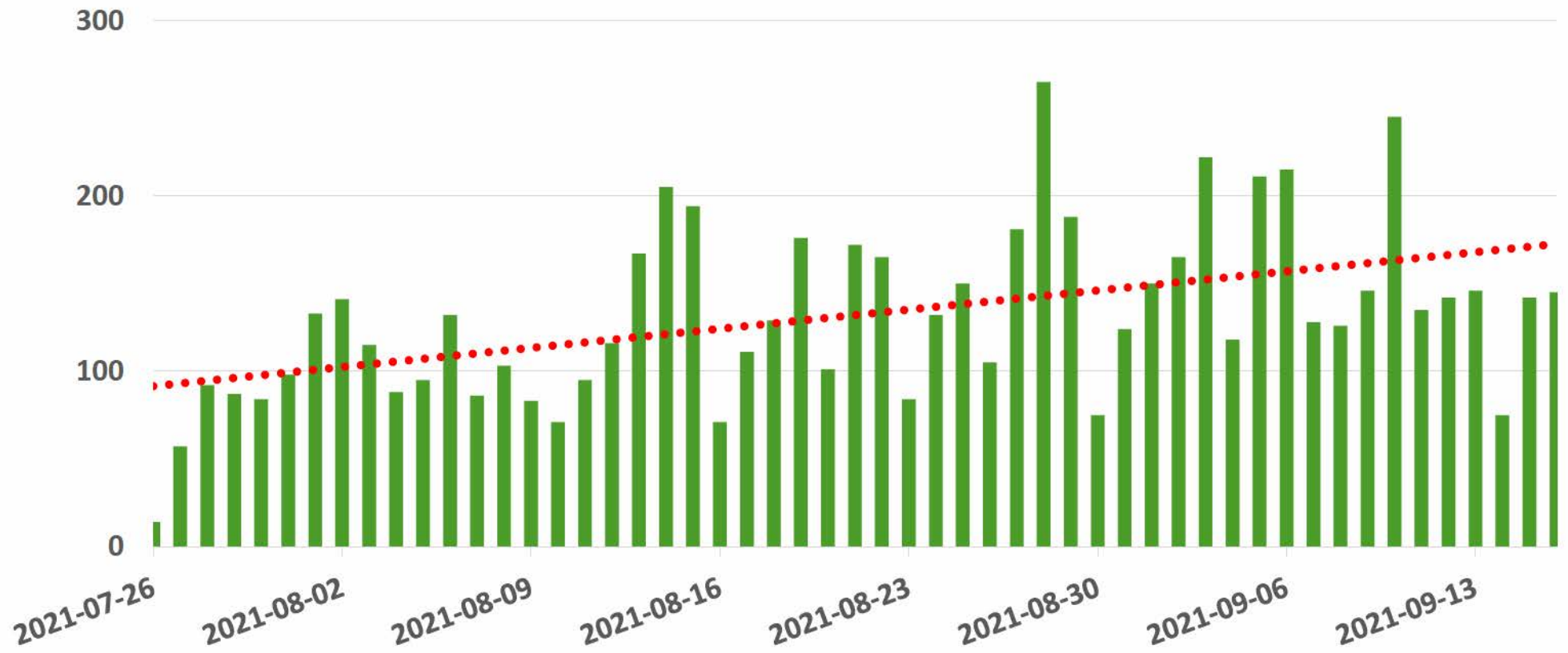
Since launch:

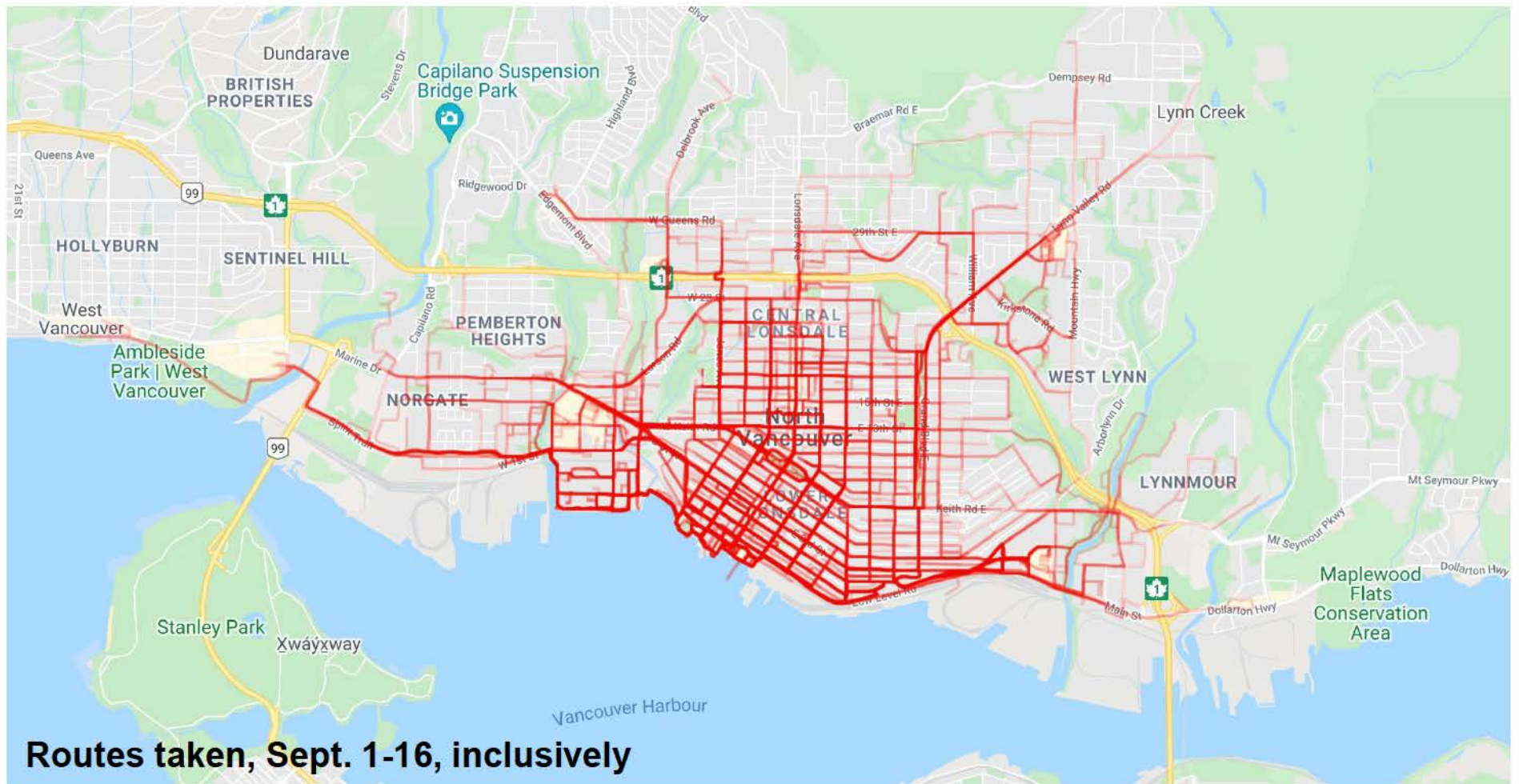
- Over 10,000 trips, 200 on average every day
- Over 20,000 km travelled so far
- If replacing average car trip, approx. 4,900 kg of CO2 saved
- E-bike share supports short trips: median trip length is 1.7 km or 9 minutes long

Daily Trips



Daily Unique Riders





Parking trouble

- Not enough groves in places people need them
- Uneven parking education
- Balance of incentives and penalties



Early Public Feedback

- High level of community support, positive feedback
- Most complaints related to parking
- Plans for future public perception surveys



Next Steps

- Add additional groves
- Improve rider education
- Begin regular parking audits
- Continue monitoring



Thank you

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