



Staten Island Dockless Bike Share: Beryl

Presentation to Staten Island Borough Board

February 5th, 2020



Bike Share Overview

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What is Bike Share?

Shared-Use Mobility

Network of shared bicycles

- Intended for point-to-point transportation

Increased mobility

- Additional transportation option
- Convenient for trips that are too far to walk, but too short for the subway or a taxi
- Connections to transit

Convenience

- Systems operates 24/7
- No need to worry about bike storage or maintenance

Positive health & environmental impacts

Citi Bike, the bike share system in Manhattan, Brooklyn, & Queens, is a *station-based* system.



Dockless Bike Share

A New Service Model

No stations or docks

Find, unlock and lock bikes through smartphone apps

**Park anywhere within service area
(service area boundaries enforced
via GPS and on-street monitoring)**



2018 - 2019 Pilots

A New Service Model

3 Pilot Areas

4 Operators

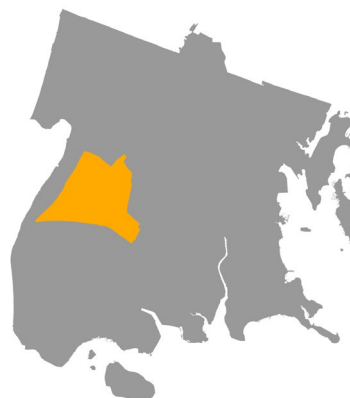
- Jump
- Lime
- Pace
- Citi Bike

DOT Evaluated:

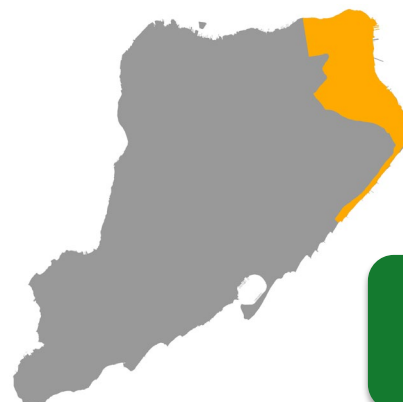
- Service and Business Models
- Usage
- Safety and Reliability
- Parking
- Operations and Maintenance



**Rockaways,
Queens**



**Fordham,
Bronx**



**North Shore,
Staten Island**

Staten Island pilot had most rides of the three pilot areas: 111,600 rides taken during pilot

2020 Dockless Project

Small pilots did not evaluate:

- Transportation function of dockless bike share
- Impact of dockless bike share at a larger scale

Requests for continuation of dockless service from:

- Elected officials
- Stakeholders
- Community members

Beryl chosen as new operator in after RFEI process in 2019



Beryl

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What is Beryl?

United Kingdom-based bike share operator and new Staten Island dockless bike share operator

- Launched bike share in 2019, currently operating in three cities with:
 - 1,660 bikes
 - 88,000+ rides
 - 138,000+ miles ridden

Beryl responsible for:

- Day-to-day operations & maintenance of bikes

NYC DOT responsible for:

- Planning & outreach

No City funds are used to run the system.

- Funding comes from sponsorships and memberships



Beryl Bays

Organizing Bike Parking

Bays are designated parking areas, marked by paint on the sidewalk or roadbed

Can be found via smartphone app

Users will be charged a fee for parking outside of a bay and outside of the service area

Bay locations determined by:

- Sidewalk width & ADA accessibility
- Adjacent land uses
- Proximity to street furniture
- Community input



Safe Cycling

Safe Cycling Environment

Beryl Bikes

- Front laser light projects 20' in front of bike
- Help cyclists achieve 97% visibility in vehicle blind spots
- Rear burner brake gets brighter as bike slows down, signals to other vehicles that bike is slowing down

DOT promotes cycling safety with:

- Helmet fittings
- Light and bell giveaways
- Safety awareness classes

2019 Green Wave Plan

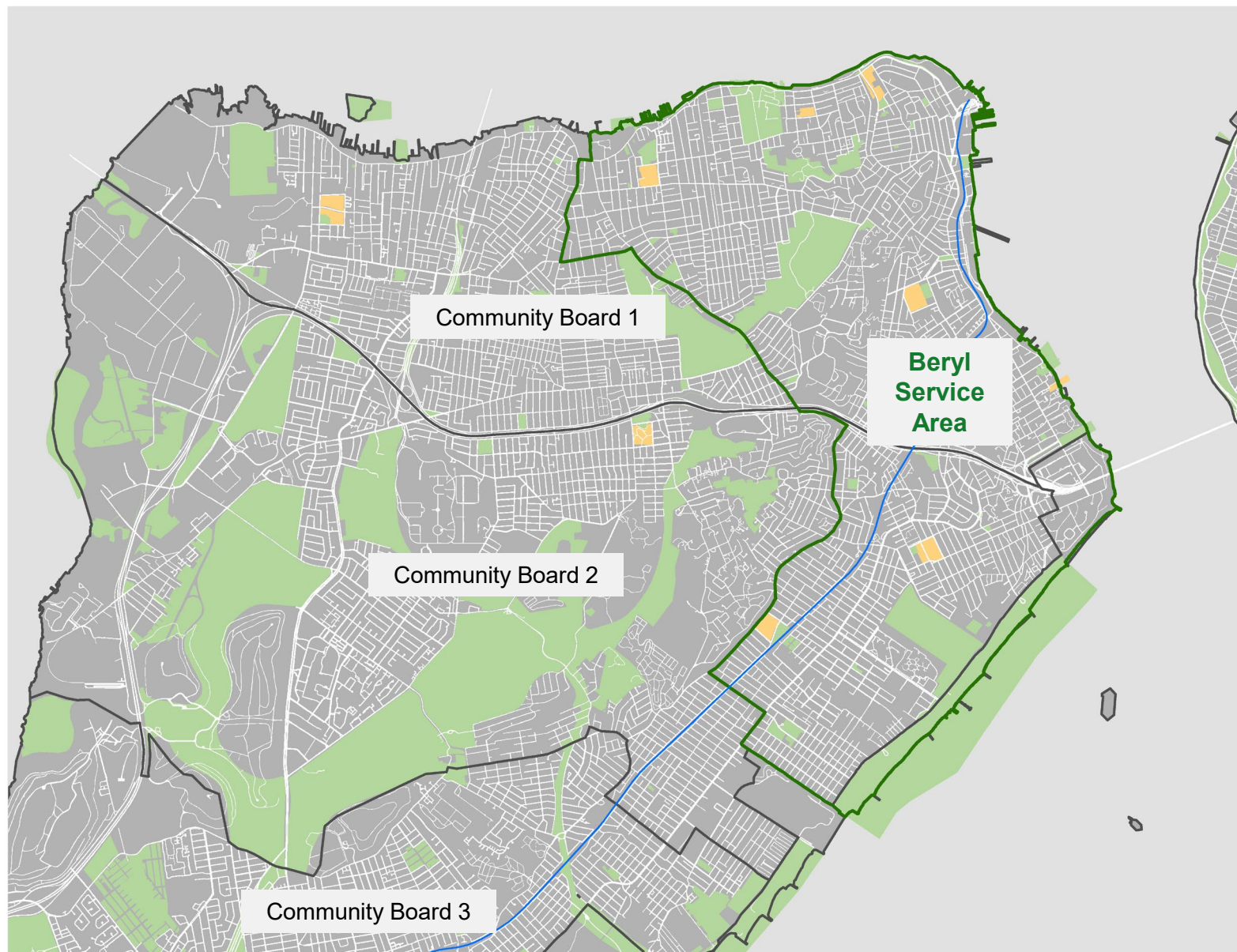
- Focuses on improving bicycle infrastructure in throughout the City
- Includes education and enforcement efforts



Next Steps

3

Launch Area: Spring 2020



Outreach & Next Steps

Street Ambassador Engagements

- New York Public Libraries
- Staten Island Ferry

Interactive station planning map & feedback portal:

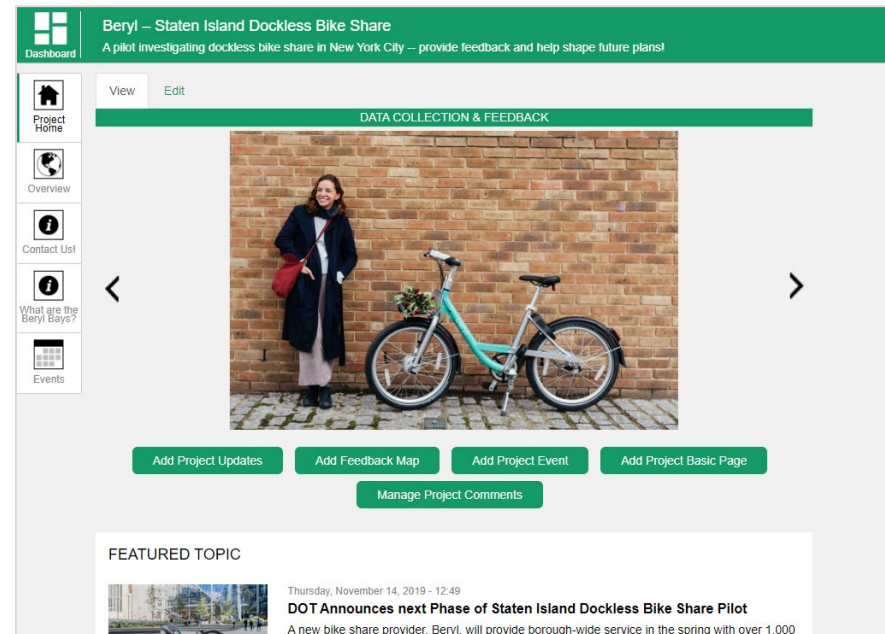
<https://nycdotprojects.info/Beryl>

Stakeholder meetings

Presentations to Community Board in March

Install Bays & Program Launch

Continued Outreach, Monitoring, and Adjustment



Thank You!

Questions?



NYCDOT



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NYCDOT