



# Nassau County Shared Mobility Management Plan

**Public Meeting**

June 9, 2022



**Bruce A. Blakeman**  
Nassau County Executive

**Kenneth Arnold, P.E.**  
Commissioner of Public Works

# Agenda

- Welcome & Introductions
- Project Overview
  - Goals and Objectives
- Work Completed to Date
  - Public & Employer Survey
- Initial Results of Location Evaluation
- Next Steps



# Terms to Know

- **Shared Mobility:** Transportation options that are shared among users, such as flexible or on-demand transit, bike sharing, scooter sharing, ride hailing, and car sharing (examples on next slide)
- **Mobility Service Zones:** A specific zone identified in the SMMP for potential applicability of a pilot project. Zones may be comprised of multiple adjacent communities, a single corridor, or targeted areas of an individual community.
- **Pilot Project/Program:** A project that takes place for a temporary period of time as a test-run. If successful, the project is typically implemented on a permanent basis.
- **First Mile / Last Mile:** The first or final part of a traveler's journey, between their trip origin/destination and a transit station/stop. (E.g. Biking from home to the LIRR station.)
- **Vulnerable Community:** Areas with an increased prevalence of minority populations, higher poverty levels, low car ownership households, limited English proficiency, differently-abled persons, children and youth, and older adults.



# Examples of Shared Mobility Services

## Flexible / On-Demand Transit



Example: NICE Elmont Flexi

## Bike Sharing



Example: Bethpage Ride

## Scooter Sharing



Example: Lime

## Moped Sharing



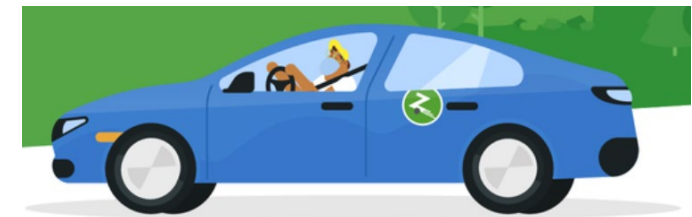
Example: Revel

## Ride Hailing



Example: Lyft

## Car Sharing



Example: Zipcar



# Project Overview



# Project Overview

- **Purpose**

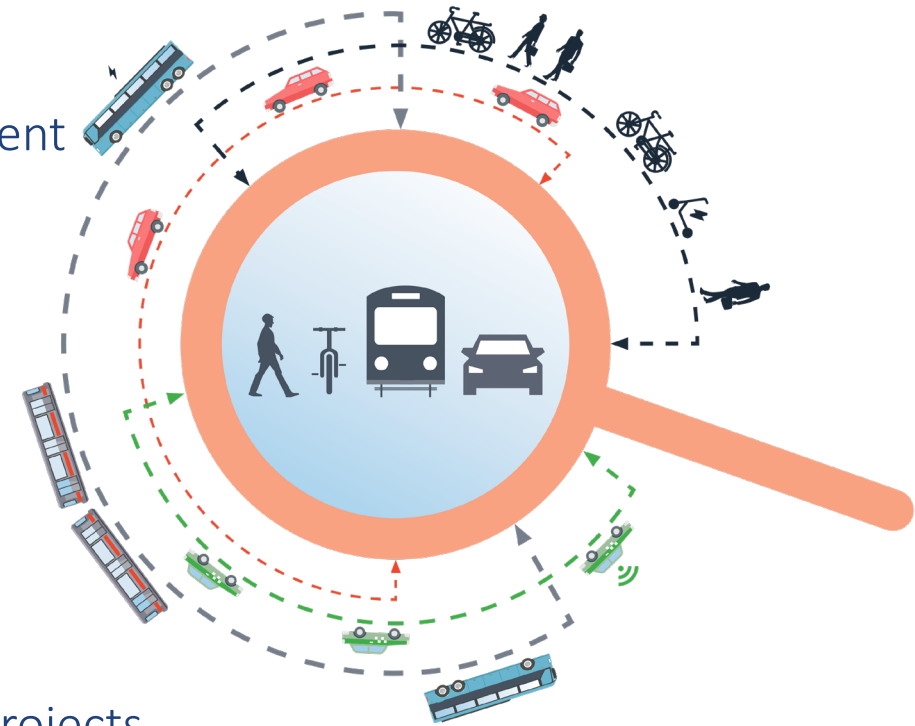
- Improve transportation options, particularly for underserved populations
- Promote environmental sustainability and economic development
- Identify opportunities for new/enhanced mobility services
- Complement and extend the reach of existing transit services to address transit gaps and evolving preferences/demands

- **Approach**

- Scenario planning: different options for the short-, mid-, and long-term future
- Public and employer surveys, data gathering
- Comprehensive engagement strategy

- **Outcomes over the next year**

- Identification of mobility service zones and one or more pilot projects
- Preparation of the Shared Mobility Management Plan (SMMP)



# Purpose of the Public Meeting

- Promote public understanding of the purpose, benefits, and outcomes of shared mobility planning;
- Gather public feedback on potential locations for shared mobility services and pilot projects;
- Build support for the proposed Shared Mobility Management Plan (SMMP); and
- Provide transparency and answer questions throughout the process.



# Live Polling – How To

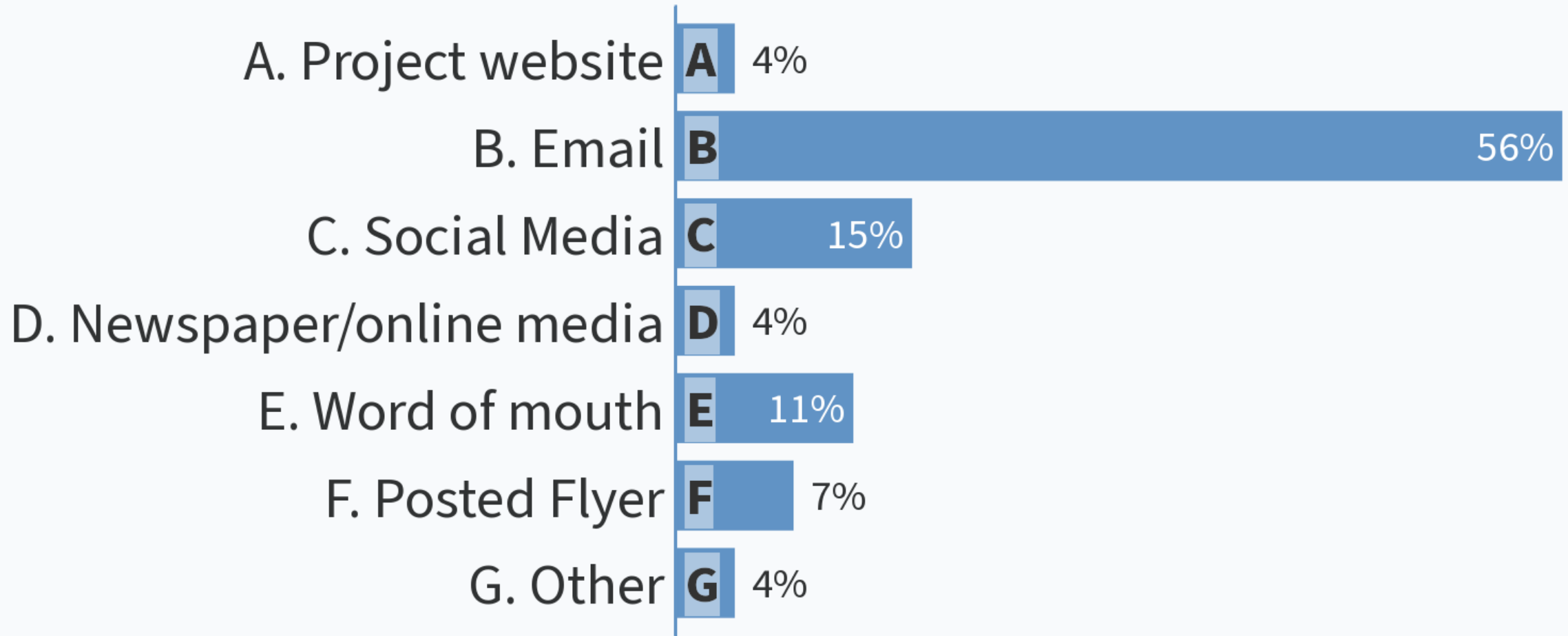
- To participate in the live polling:
  - Grab your cell phone, tablet, or computer
  - Visit <https://pollev.com/input>  
or
  - Text INPUT to 22333 to join
  - Submit your answers when prompted by the speaker

*All responses are anonymous*

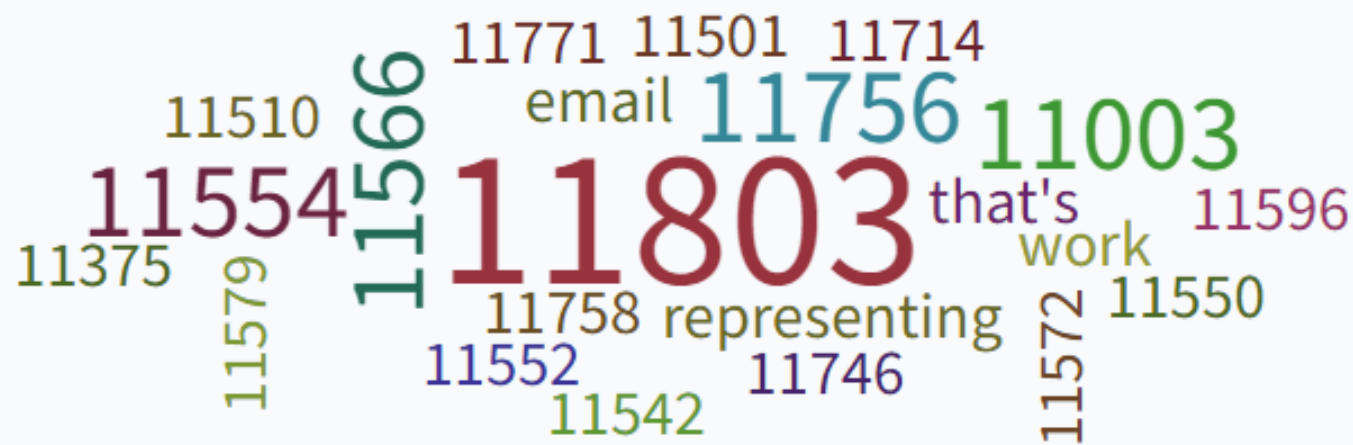




# How did you hear about this meeting? [Select all that apply]



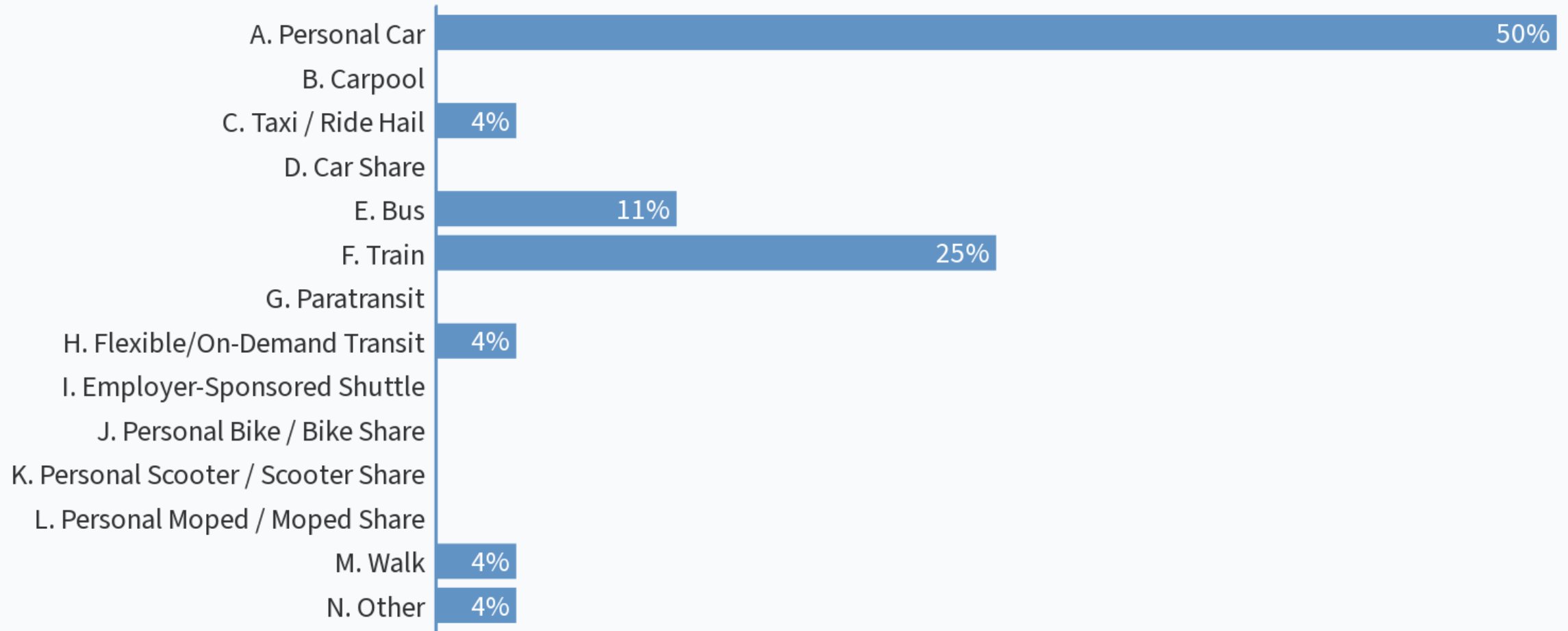
**Where do you live? Zip Code: \_\_\_\_\_ (or  
City/Village/Hamlet if you don't know the zip code)**



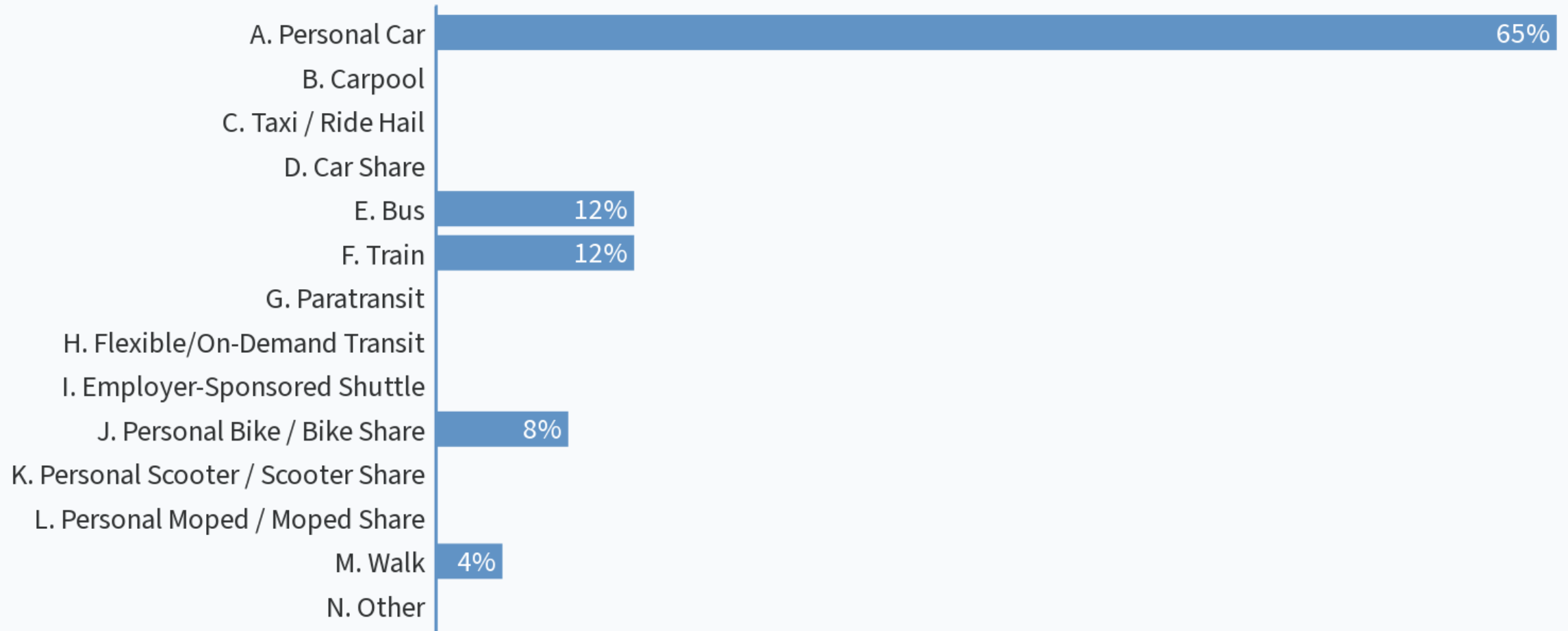
**Where do you work? Zip Code: \_\_\_\_\_ (or  
City/Village/Hamlet if you don't know the zip code)**



# What is currently your primary mode of transportation to work? (Select one)



# What is currently your primary mode of transportation for recreational / non-work activities? (Select one)

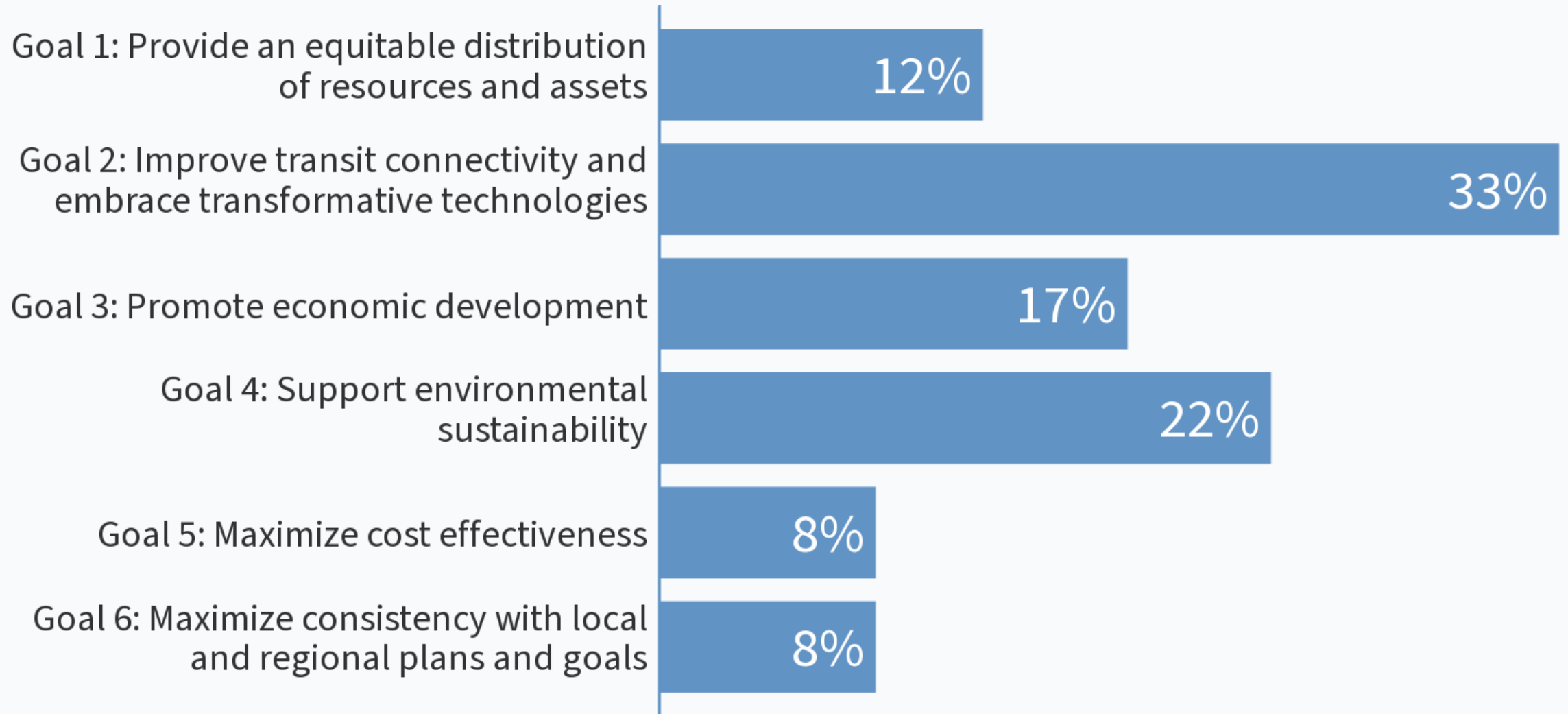


# Project Goals

- Project goals establish the roadmap for the overall planning process and inform the recommendations and potential pilot projects.
  - Goal 1: Provide an equitable distribution of resources and assets
  - Goal 2: Improve transit connectivity and embrace transformative technologies
  - Goal 3: Promote economic development
  - Goal 4: Support environmental sustainability
  - Goal 5: Maximize cost effectiveness
  - Goal 6: Maximize consistency with local and regional plans and goals



## Please select your top 3 goals.



# Is there anything you feel is left out from our goals?

“Create efficient transportation for elderly who can no longer drive”

“Make sure that disabled individuals who cannot drive have viable options besides Able Ride, which has its limitations”

“Encouraging walkable communities”

“More usable and reliable transportation available for those with disabilities and older people”

“Pedestrian safety”

“Ensure transportation access for people who are unable to drive due to disability/age. Ensure transportation for homecare workers to be able to get to locations where seniors in need of home care live.”

*The above responses represent a small sample of the public responses we received during the meeting.*

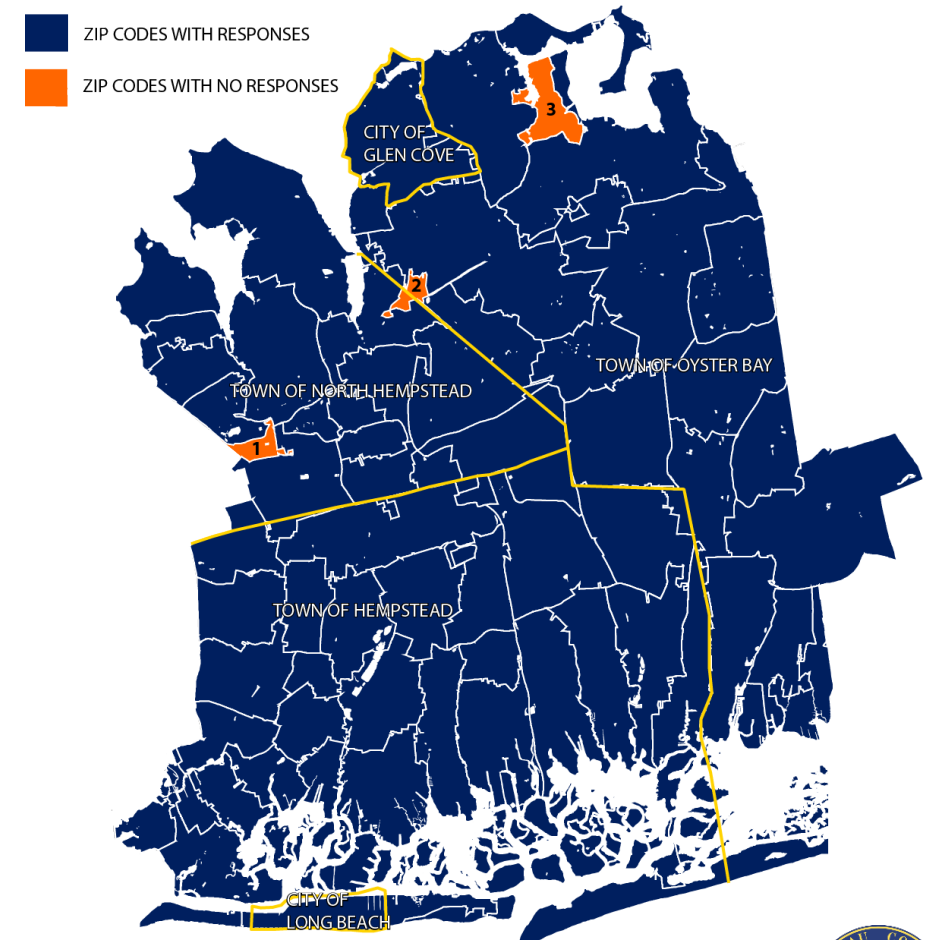


# Work Completed to Date



# Data Collection & Analysis

- Developed and administered public and employer surveys to identify shared mobility interest in the County
  - Received over **5,000 responses** in total
- Completed a County-wide data analysis and profile incorporating demographic data, transportation data, survey results, and more
- Completed review of shared mobility system types
  - Including operational characteristics and relevant case studies



# Data Collection/Outreach



LIRR ridership data;  
Insight on planned studies



NICE ridership data



Bike share utilization data;  
Micro-mobility project information



Metro region data on  
transportation / demographic trends



Socioeconomic data



# Municipal Coordination



Town of Hempstead



Town of North Hempstead



Town of Oyster Bay



City of Glen Cove



City of Long Beach



Nassau County  
Village Officials Association (NCVOA)



# Public & Employer Surveys

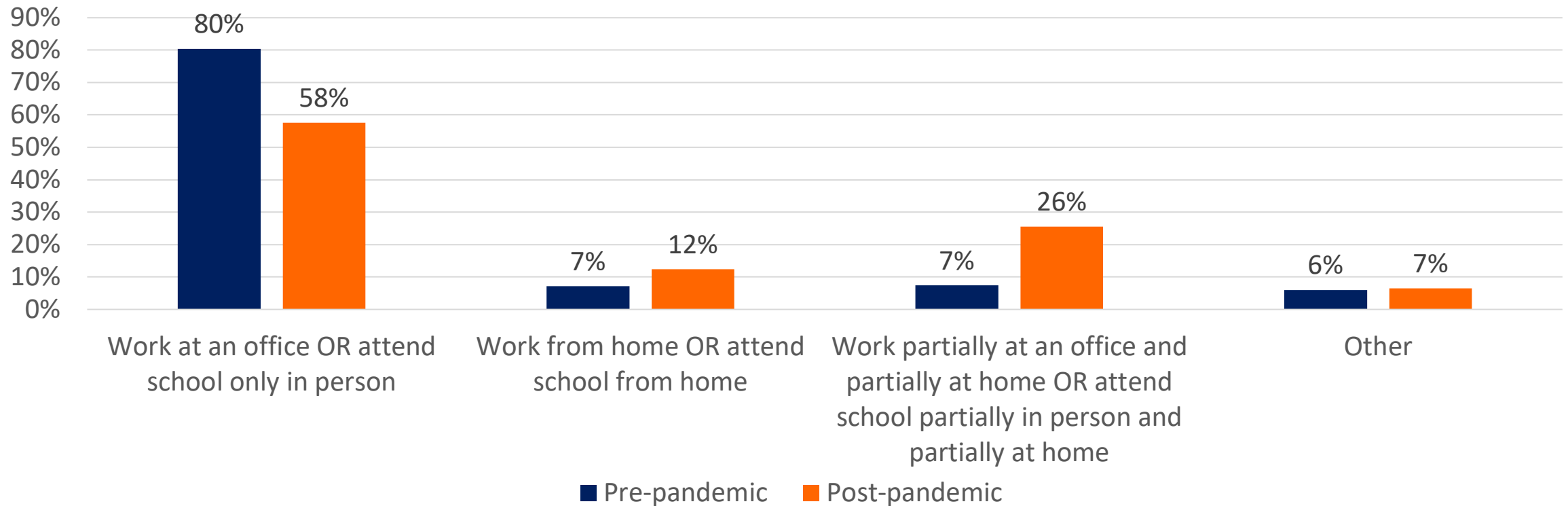
- Overview
  - Provided insight into changing transportation needs and preferences
  - Considered the evolving impacts of COVID-19 on travel patterns
  - Complemented other ongoing/recent survey efforts in the region
- Survey ran from late July to early September 2021, and was promoted through the project website, email lists, social media, and a paper option for the public survey
- Public survey
  - Translated into County's six most frequently spoken languages
- Employer survey
  - Targeted medium/large employers and essential businesses



# Public Survey – Selected Takeaways

Anticipated post-Covid-19 changes:

Place of Work/School Pre-Pandemic and Expected Work/School Location Post-Pandemic



# Public Survey – Selected Takeaways

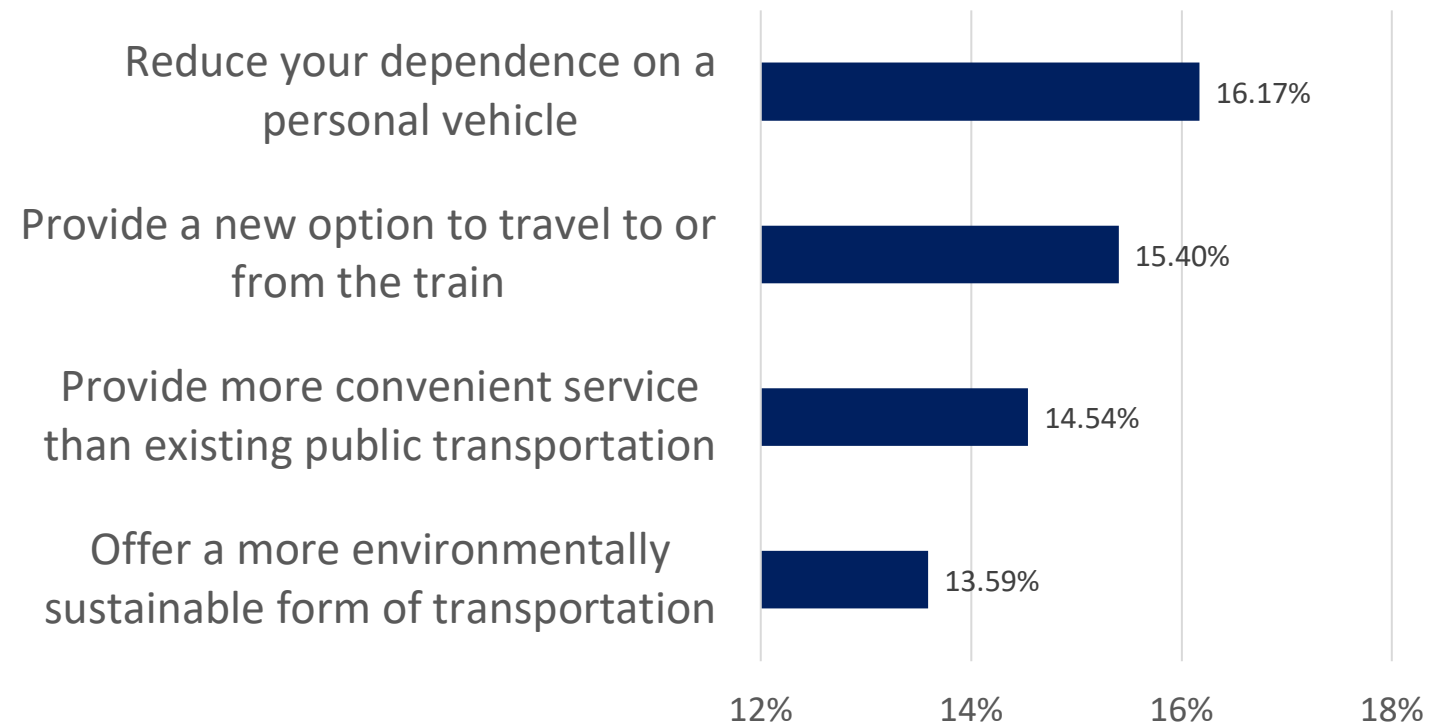
- Public survey respondents indicated their likeliness of using shared mobility services:
  - 15%+ of all respondents likely or very likely to use bike share, scooter share, and/or moped share.
  - ~25% of all respondents likely or very likely to use flexible/on-demand transit.
  - ~30% of all respondents likely or very likely to use ride hail.
- Public survey respondents indicated that bike share / scooter share seen as serving recreational purposes; ride hail seen as means to arrive at non-work-related activities such as social engagements.
- Public survey respondents who do not regularly use a bike to commute, ~15% identified lack of access to a bike—and more than 1/3 identified unsafe cycling conditions—as reasons why.



# Public Survey – Selected Takeaways

- Shared mobility seen as addressing key needs such as reducing dependence on personal vehicles and providing new first/last-mile connection to trains

## How transportation needs might be addressed by shared mobility options

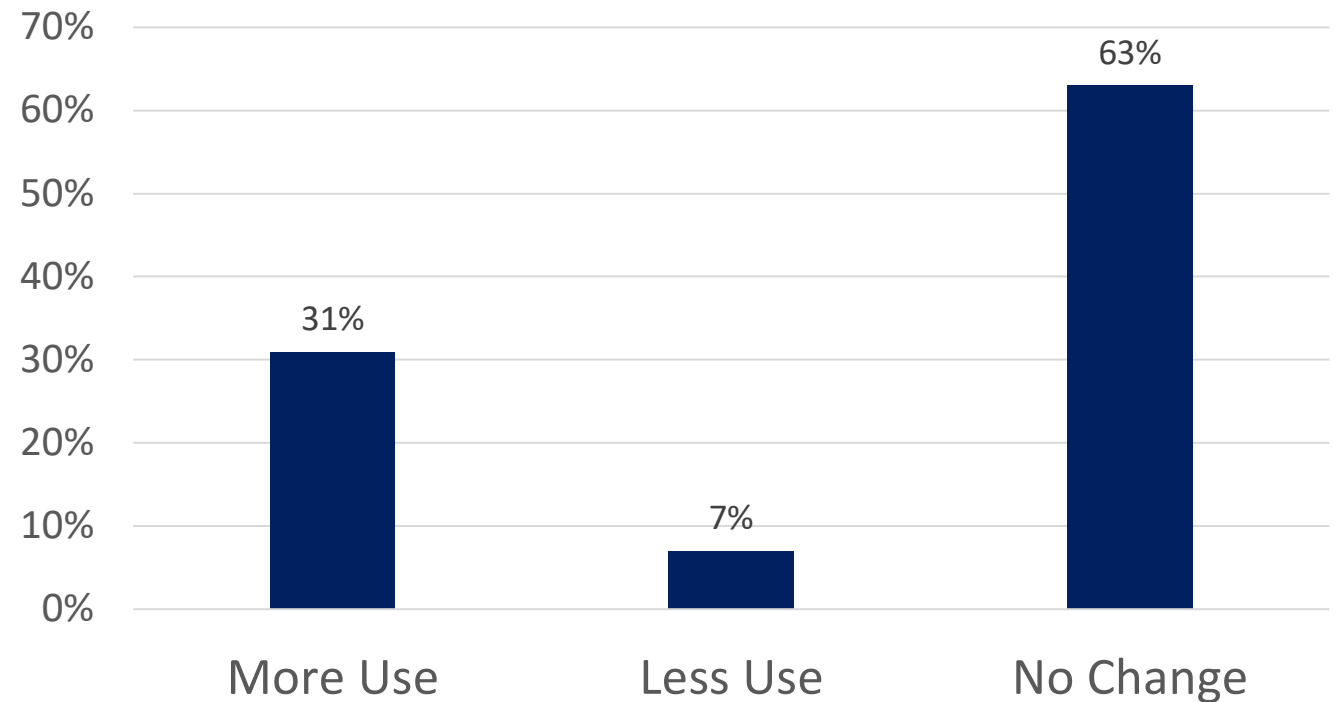




# Employer Survey – Selected Takeaways

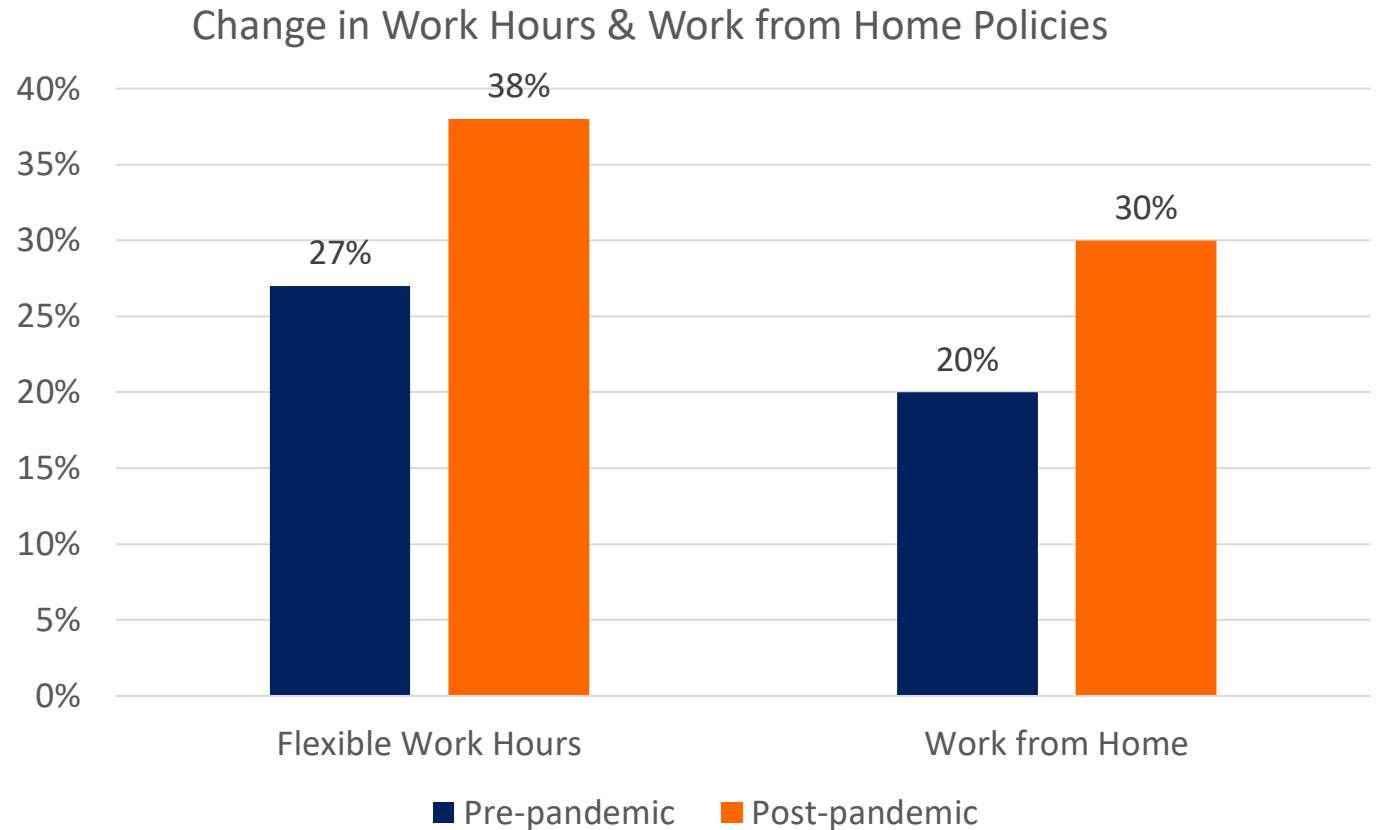
- Most employers not anticipating any change to employee commute mode, however...
  - Almost 1/3 of responding employers expect a rise in personal car as a commute mode
  - ~15% of respondents expect a decline in transit use
  - Conversely, public survey respondents reported a desire to drive less and use bikes, scooters, or mopeds slightly more

Anticipated changes to driving post-pandemic among employees



# Employer Survey – Selected Takeaways

- Flexible work hours and work from home options expected to continue at 30-40% of employers
- ~20% of employers planning changes to office size, offering employee amenities, relocating, and/or other pandemic-related changes



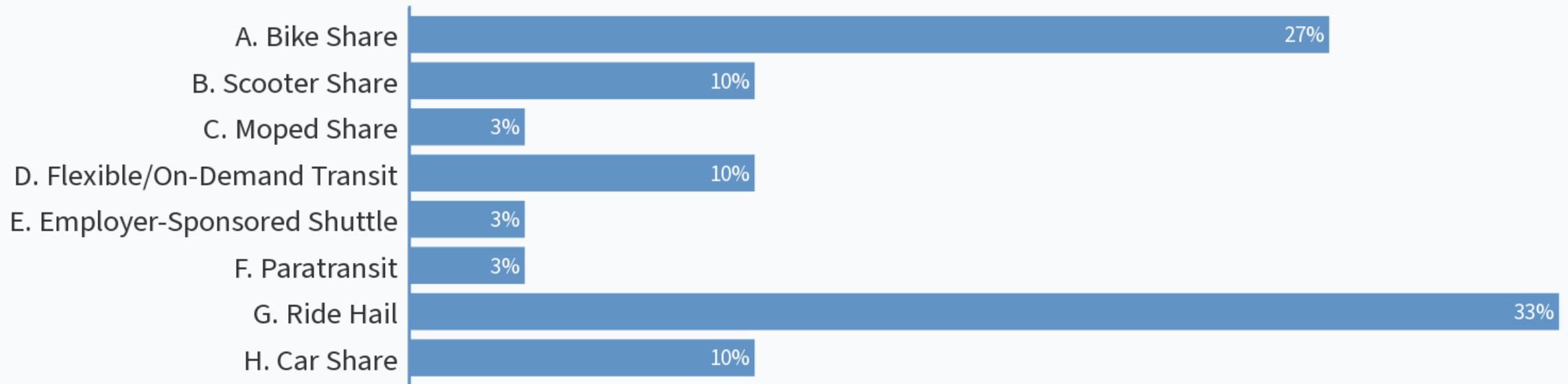
# Potential Opportunities Based on Initial Survey Takeaways

- Consider shared mobility systems to serve different trip purposes
- Implement a bike share program and promote safety for micromobility (i.e., bikes, scooters, mopeds) through design, policy, and education
- Advance integration of ride-hail with traditional and flexible transit services
- Consider modifying site design requirements at appropriate locations to accommodate shared mobility
- Coordinate opportunities to offer shared mobility services as an employee benefit/amenity



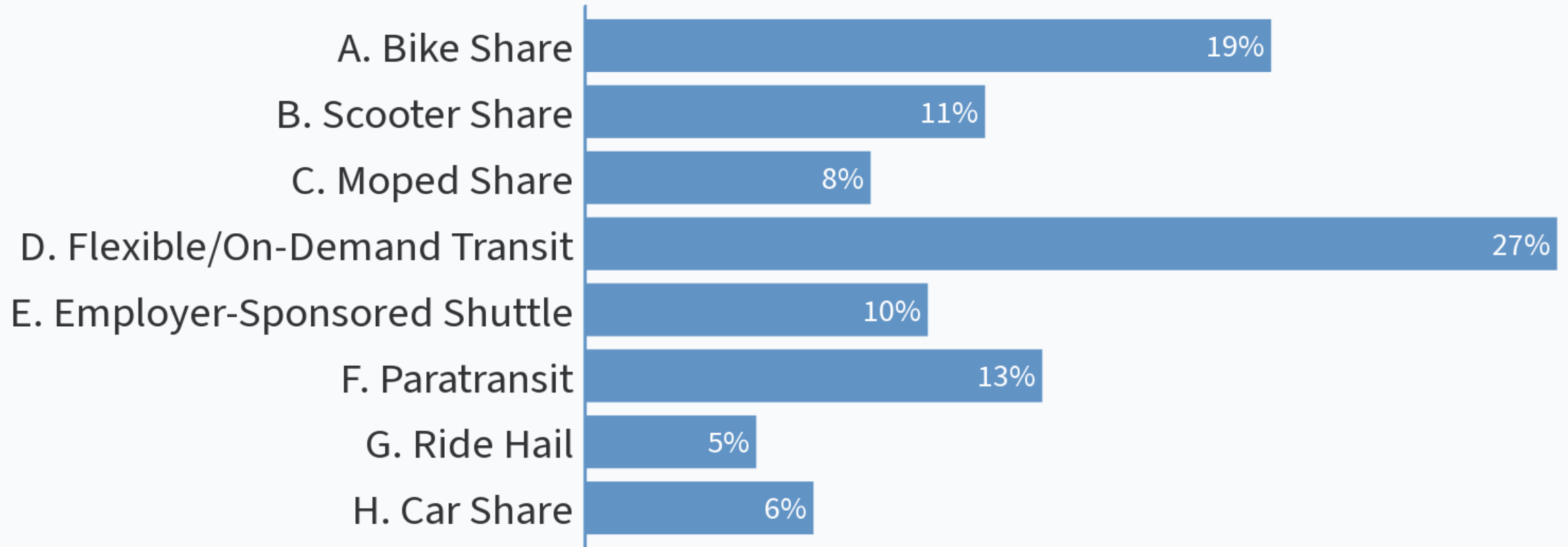
**Do you currently use 1 or more of the shared mobility services under consideration in this study? Consider shared mobility services that you use outside of Nassau County, such as bike share in Suffolk County or New York City.**

**[Select all that apply]**



# Which of the shared mobility service types under consideration in this study are you most interested in?

[Select your top 3 service types]



# Location Evaluation



Potential Mobility Service Zones and Pilot Projects



# Purpose & Approach

## Purpose

- The purpose of the location evaluation effort is to determine where to develop the **five Mobility Service Zones** (areas of high opportunity and potential for shared mobility services)
- Once Mobility Service Zones are identified, potential service characteristics will be considered, and **one or two pilot projects will be identified within these Zones**

## Approach

- Identified initial mobility hot spots as part of the data analysis
- Determined key evaluation variables and a scoring approach for each variable
- Grouped the variables into four categories and weighted each variable within the category
- Developed four scenarios that prioritized the four categories in different ways to see which communities score higher under different scenarios



# Variable Categories

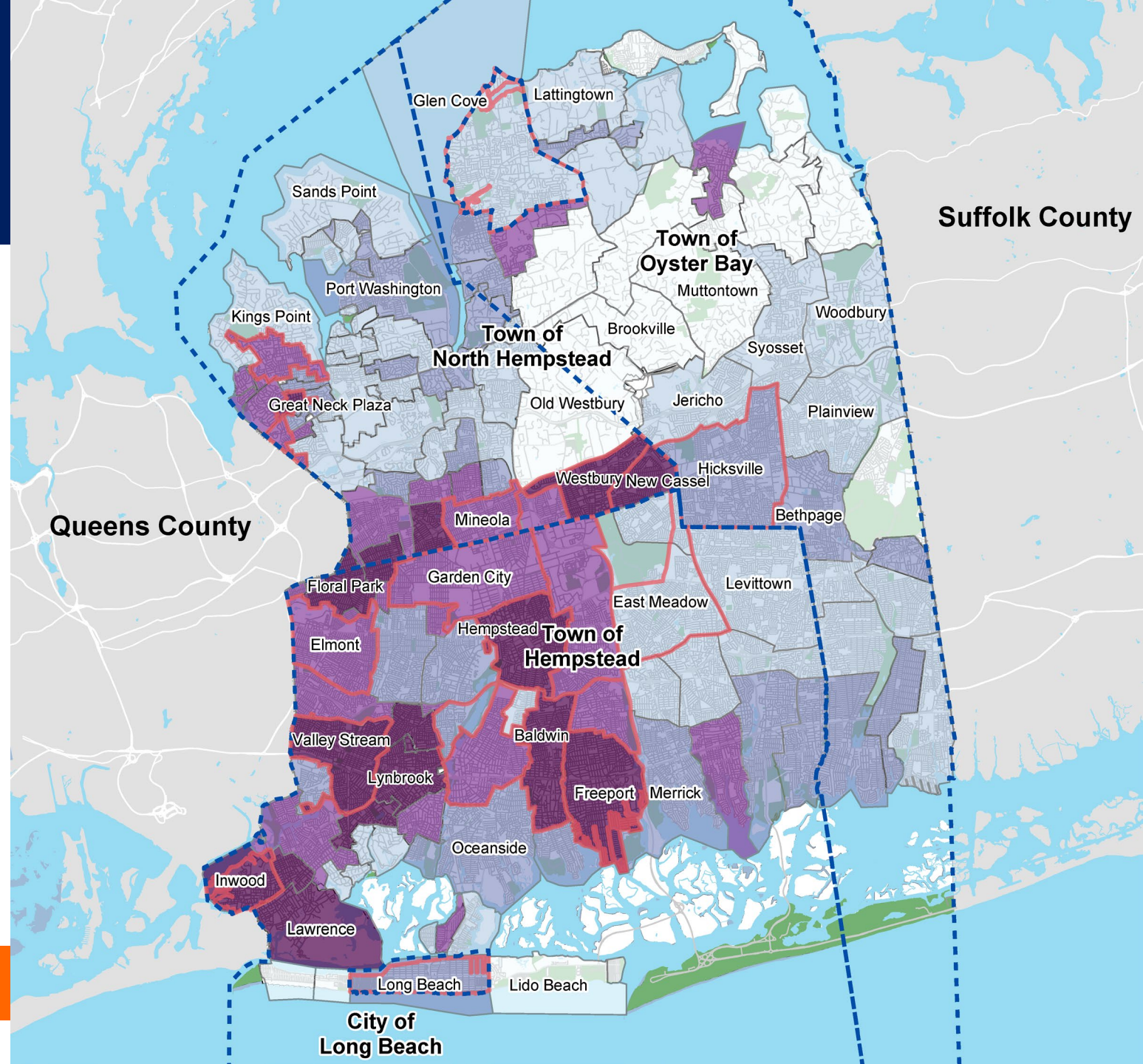
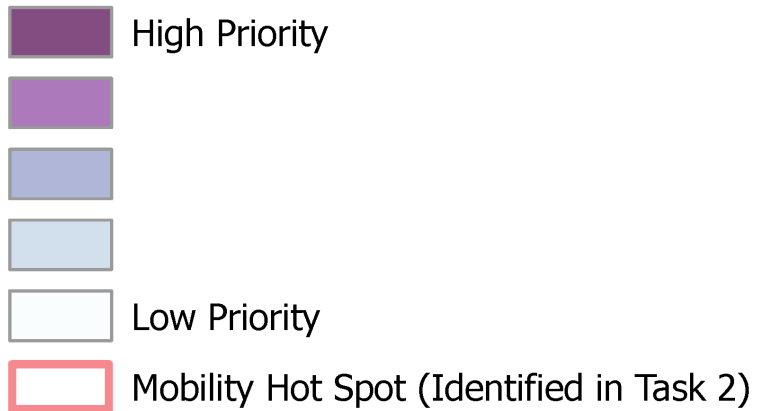
Category	Variable	SMMP Goals Supported
Equity	High Poverty & Minority Populations	Equity (Goal 1)
	Vulnerable Populations	
Transit Support	LIRR Walkshed (1/2 mile)	Transit & Technology (Goal 2), Sustainability (Goal 4)
	LIRR Ridership	
	NICE Paratransit	
	Bus Transit Walkshed (1/4 mile)	
Economy & Place	Job Density	Economy (Goal 3), Cost Effectiveness (Goal 5)
	Downtown Center	
Active Mobility Support	Active Trip Potential (ATP)	Sustainability (Goal 4)
	Connectivity Score	





# Community Level Analysis

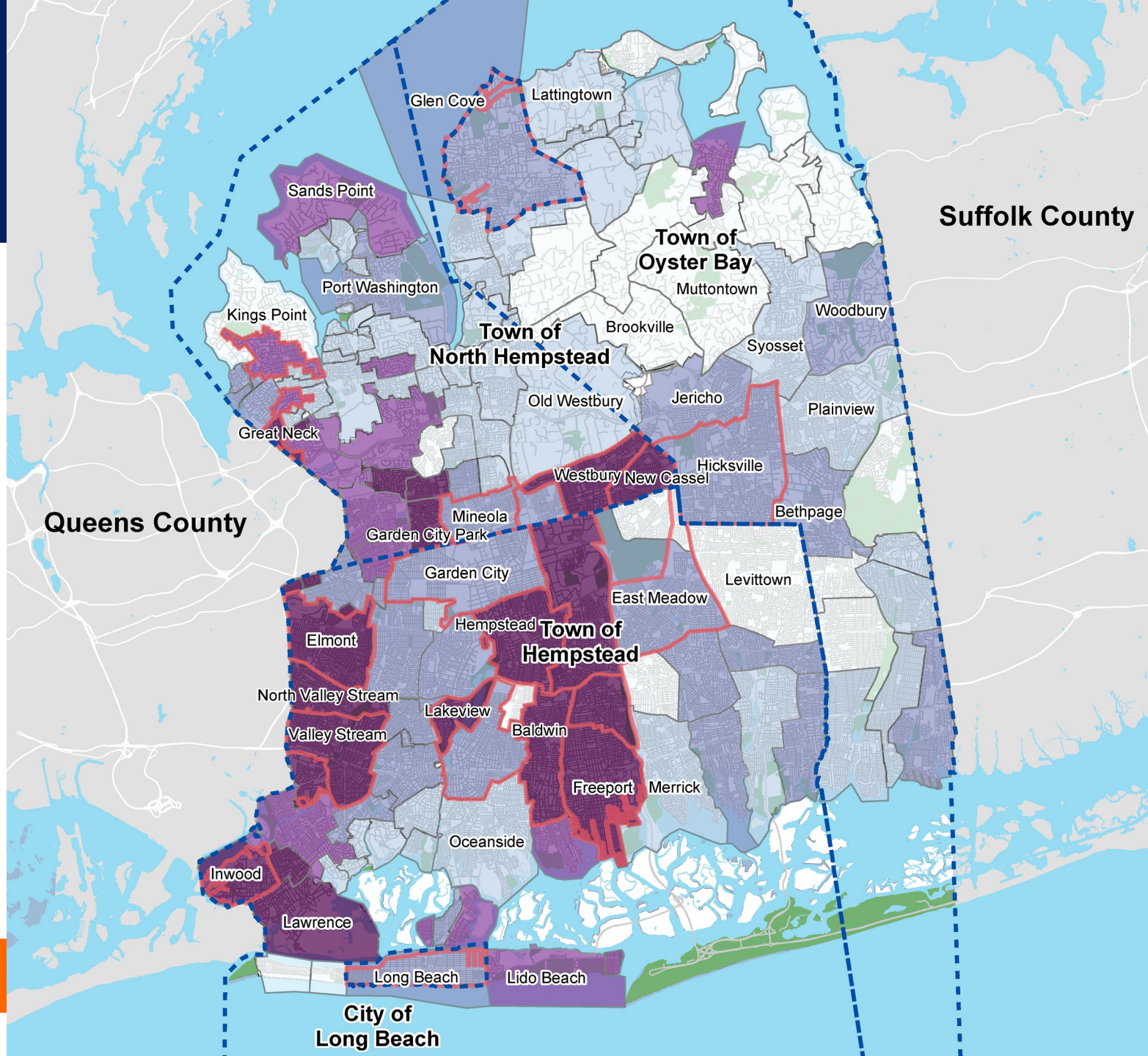
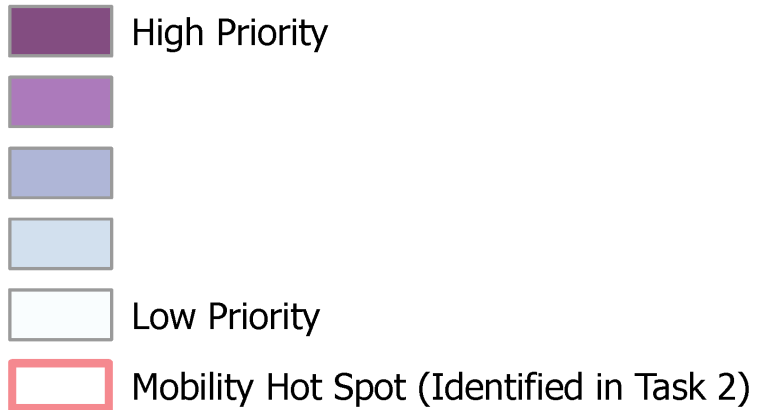
## Baseline Prioritization Results



# Community Level Analysis

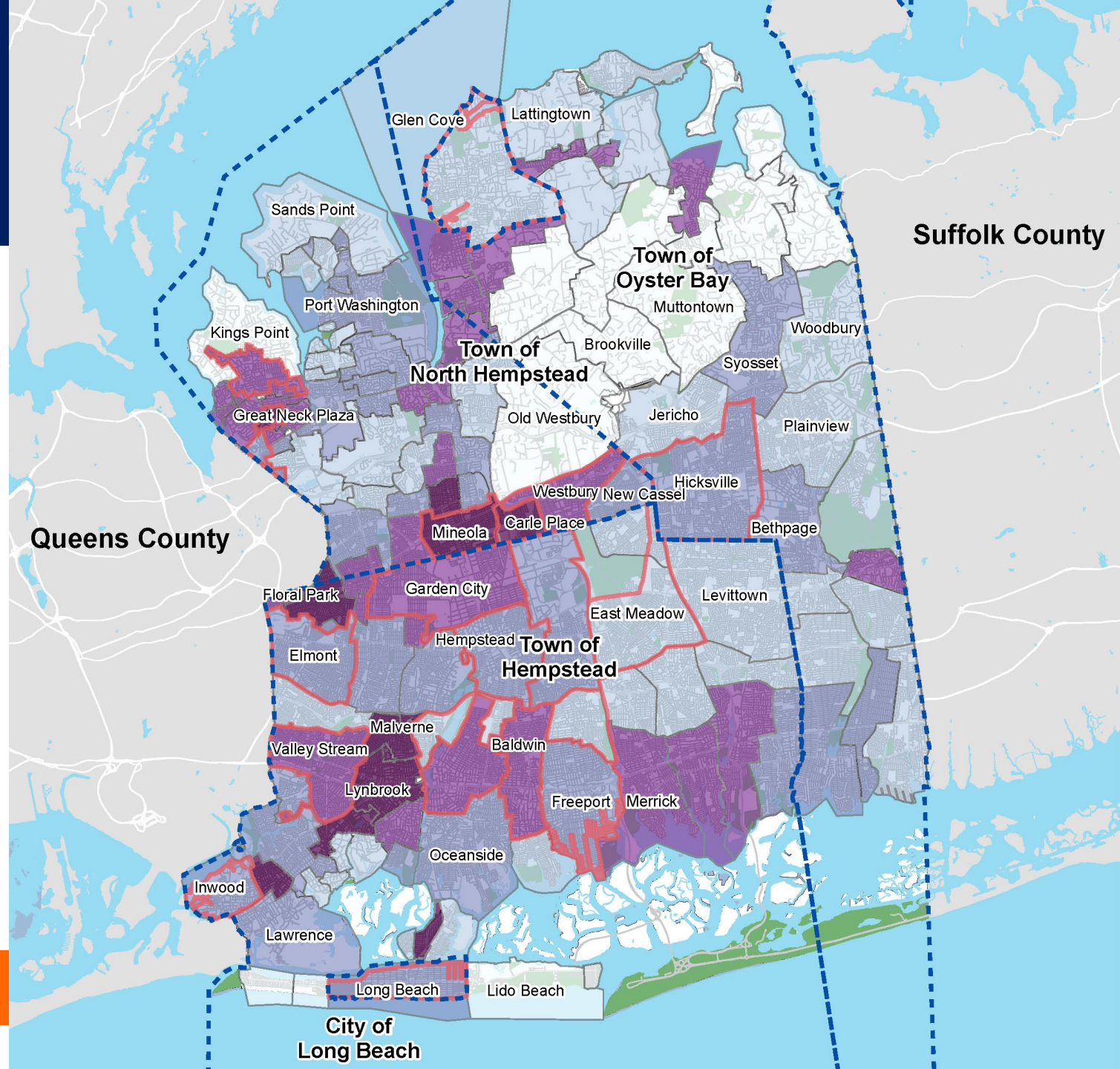
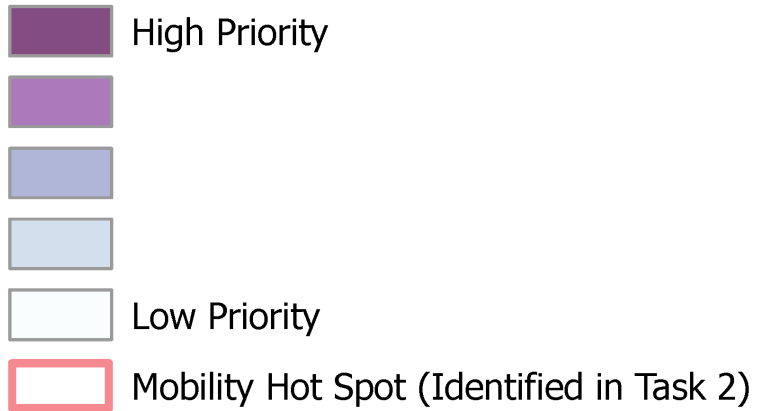
## Equity

## Prioritization Results



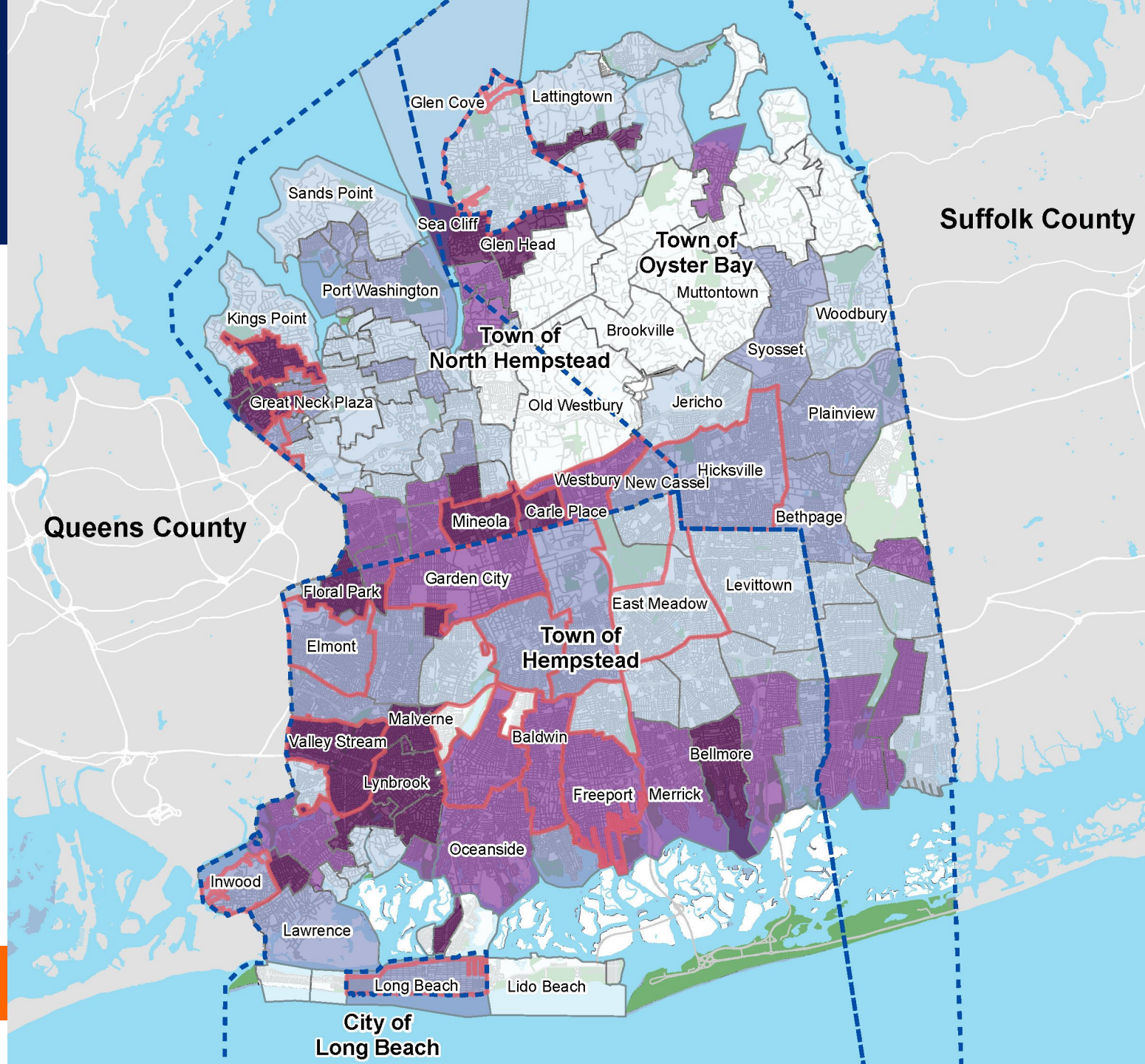
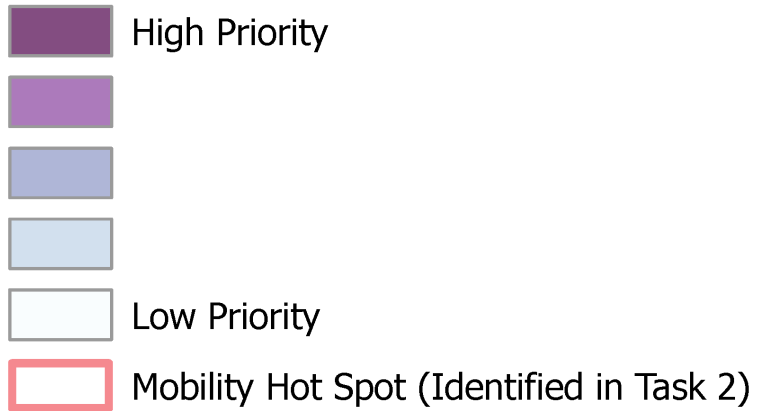
# Community Level Analysis

## First-Last Mile Prioritization Results



# Community Level Analysis

## Active Communities Prioritization Results



# Sensitivity Analysis Results – Top 10

Select Communities	Baseline Analysis	Equity Bias	First-Last Mile Bias	Active Communities Bias
Cedarhurst	High	High	High	High
Great Neck Plaza*	High	Medium-High	High	High
Valley Stream*	High	High	Medium-High	High
Hempstead*	High	High	Medium	Medium
Baldwin*	High	High	Medium-High	Medium-High
Hewlett	High	Medium	High	High
New Cassel	High	High	Medium	Medium
Freeport*	High	High	Medium	Medium-High
North Lynbrook	High	Medium	High	High
New Hyde Park	High	Medium-High	Medium-High	Medium-High

Sorted by Baseline Prioritization Score, \* indicates a Hot Spot as identified in the Data Analysis



# Additional Communities of Interest

Bellerose

Bellerose Terrace

Floral Park

Garden City Park

Glen Cove

Great Neck

Hicksville

Inwood

Lawrence

Long Beach

Lynbrook

Malverne

Mineola

Oyster Bay

Uniondale

Westbury



# Location Evaluation Discussion

1. Did you see anything that surprised you in the results?
  - Submit your answer in the Zoom Q&A box.
  - Answers can also be submitted at [nassaumobility.com](https://nassaumobility.com) via the "Provide Feedback & Stay Informed" button

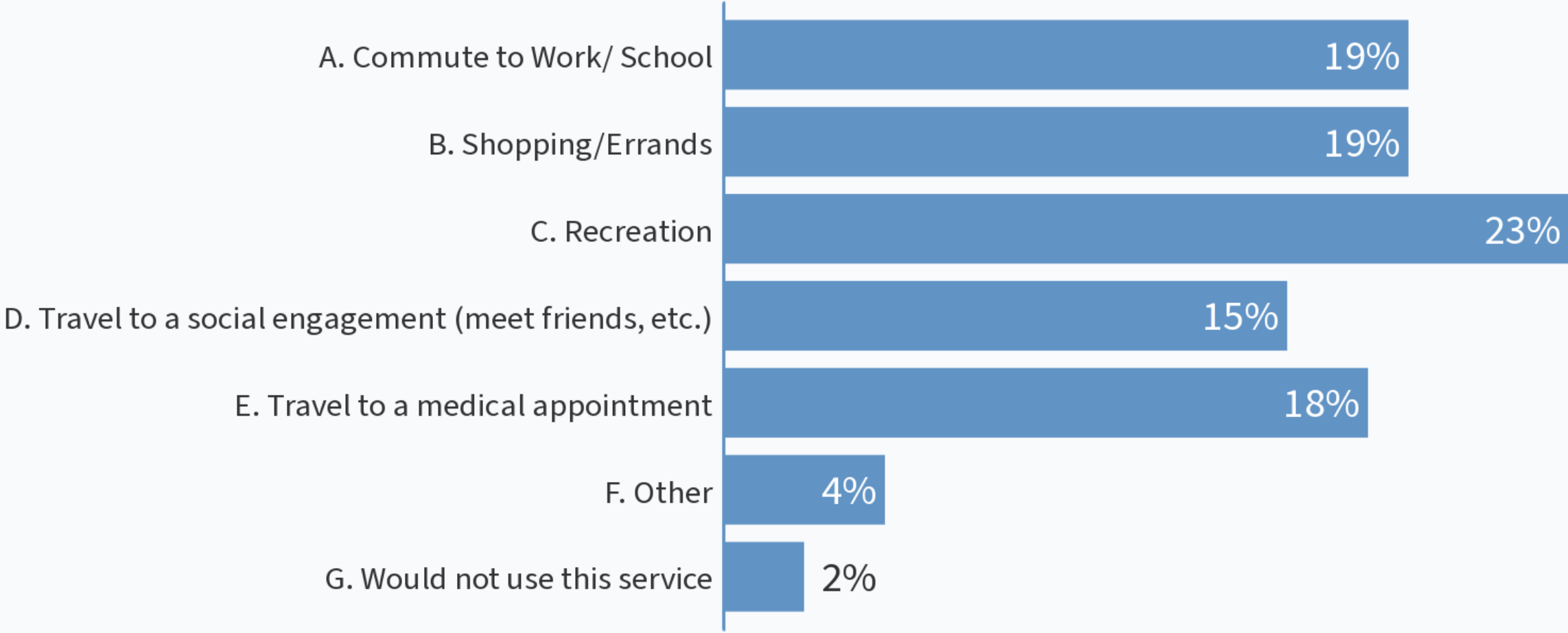






# What types of trips would you use shared mobility for?

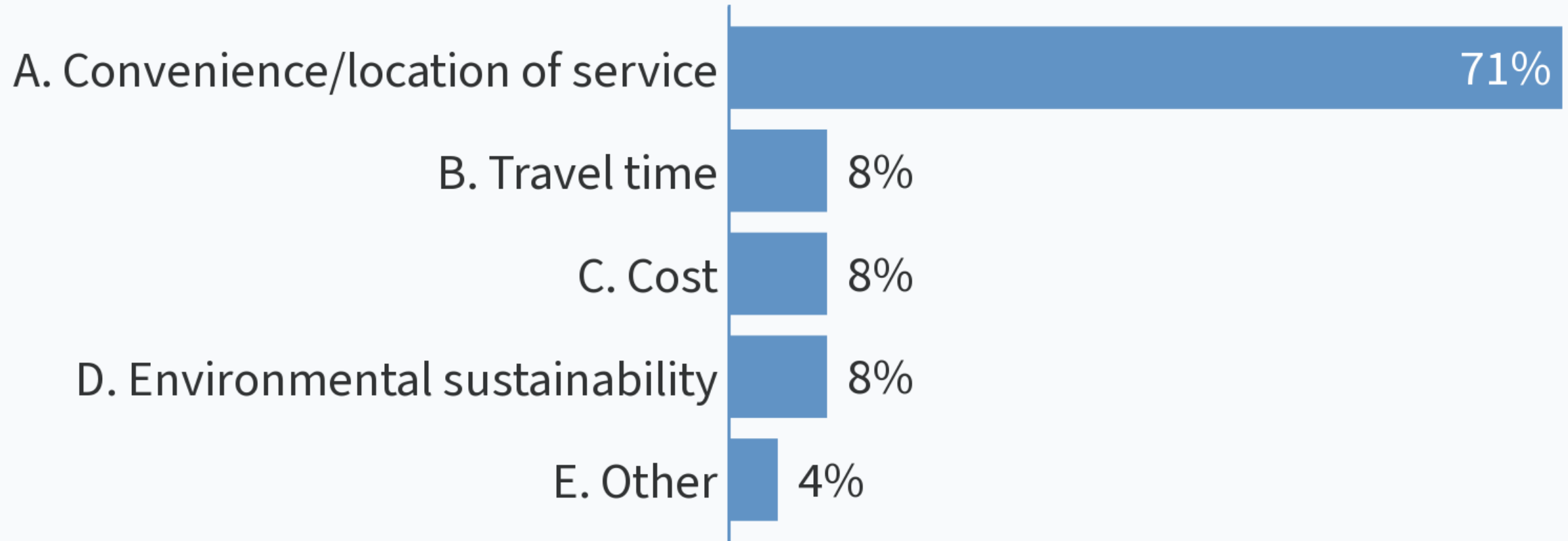
[select all that apply]



# Where have you previously used or seen shared mobility services that worked well?



# When you consider your willingness to use shared mobility services, what matters most to you? [Select your top priority]



# Next Steps



# Next Steps

- Please visit [nassaumobility.com](https://nassaumobility.com) and click on the "Provide Feedback & Stay Informed" button to submit any additional comments.
  - There will be a 2-week comment window
  - Comments received via the website will be treated the same as those in the meeting
- Next steps for Project Team
  - Determine locations for five Mobility Service Zones
  - Conduct a scenario planning process (short, medium, long-term futures)
  - Continue ongoing coordination with the Stakeholder Committee, municipalities (towns, villages, cities), and technical agencies as needed
  - Finalize Shared Mobility Management Plan document to be shared publicly



# Project Timeline

	Summer 2021	Fall 2021	Winter 2022	Spring 2022	Summer 2022
Project Kickoff (May 2021)					
Surveys & Data Collection					
Data Analysis & Scenario Planning					
Recommendations & Pilot Project Planning					
Stakeholder & Public Engagement*	★ ★	★		★ ★ ★	

★ Stakeholder Committee Meetings

★ Municipal Coordination Meetings

★ Public Meeting

*\*Additional meetings may be scheduled*





**Nassau County**  
**Shared Mobility Management Plan**  
[nassaumobility.com](http://nassaumobility.com)