NYMTC's Equity Mapper

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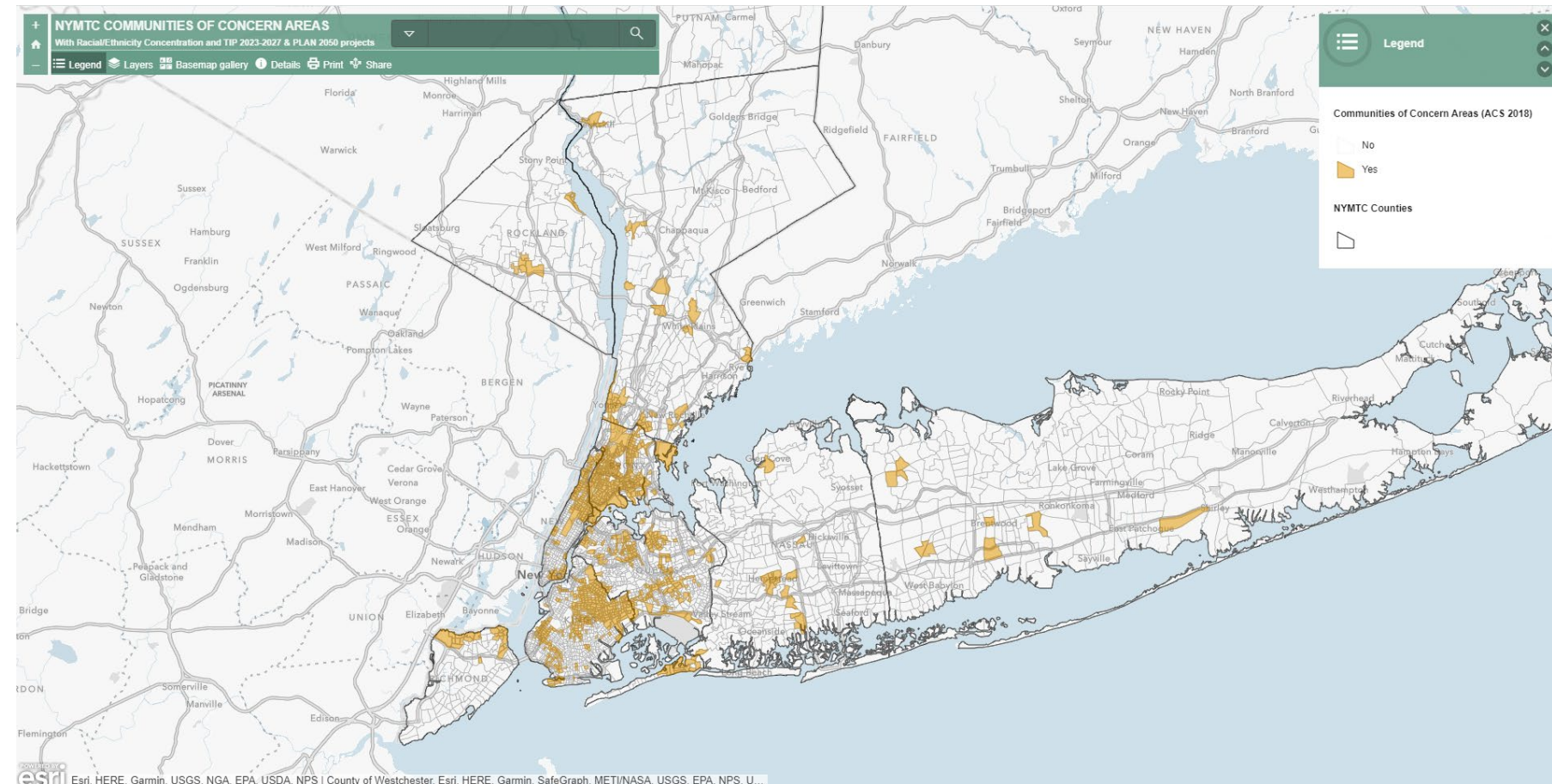
May 9, 2023

For NYSAMPO conference

Presentation Outline

- Why Communities of Concern
- Communities of Concern definition
- Demographic data used from Census
- How is this data used in the planning process?
- Next steps

Communities of Concern

NYMTC assesses the Title VI-related impacts of the transportation planning process outcomes on **minority populations** and **low-income households**, which are identified as communities of concern.

Link to the interactive mapper.

Communities of Concern

- Minority and low-income households generally experience more limited transportation options.
- Disruptions in the transportation system and changes in public transit service are more likely to affect these households because of limitations in personal mobility options.

Minority	Low Income
57% of the total population in the NYMTC area is minority population.	14% of the population in NYMTC live at or below the defined poverty level

County	Minority Population	Percent Minority	Households Below Poverty Level	% of Households Below Poverty Level
New York City	5,729,783	67%	1,570,754	18%
Long Island	1,006,649	35%	180,348	6%
Mid Hudson South	584,510	42%	138,018	9%
NYMTC Region	7,320,942	57%	1,889,120	14%

Census Data

MINORITY

Refers to a person's racial or ethnic identity. Minority is identified as a person who is:

- Black: a person having origins in any of the black racial groups of Africa;
- Hispanic or Latino: a person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race;
- Asian American: a person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent;
- American Indian and Alaskan Native: a person having origins in any of the original people of North America, South America (including Central America), and who maintains cultural identification through tribal affiliation or community recognition; or
- Native Hawaiian and Other Pacific Islander: people having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

B03002 variable, ACS 5-year estimates

LOW-INCOME

Low-income refers to a person whose median household income is at or below the Department of Health and Human Services poverty thresholds. The Department of Health and Human Services poverty thresholds are provided each year by the Census Bureau. The thresholds are used mainly for statistical purposes (e.g., preparing estimates of the number of Americans in poverty each year).

S1701 variable, ACS 5-year estimates

Thresholds

- Communities of Concern in NYMTC's planning area are defined as census tracts that meet both thresholds related to minority status and income:

  - Minority population, as defined in the 2010 U.S. Census, makes up 57 percent (the NYMTC planning area average) or more of the tract population; and

  - 14 percent (the NYMTC planning area average) or more of the total population live in households at or below the poverty level as defined in the 2010 U.S. Census.

Population distribution by Race and Ethnicity
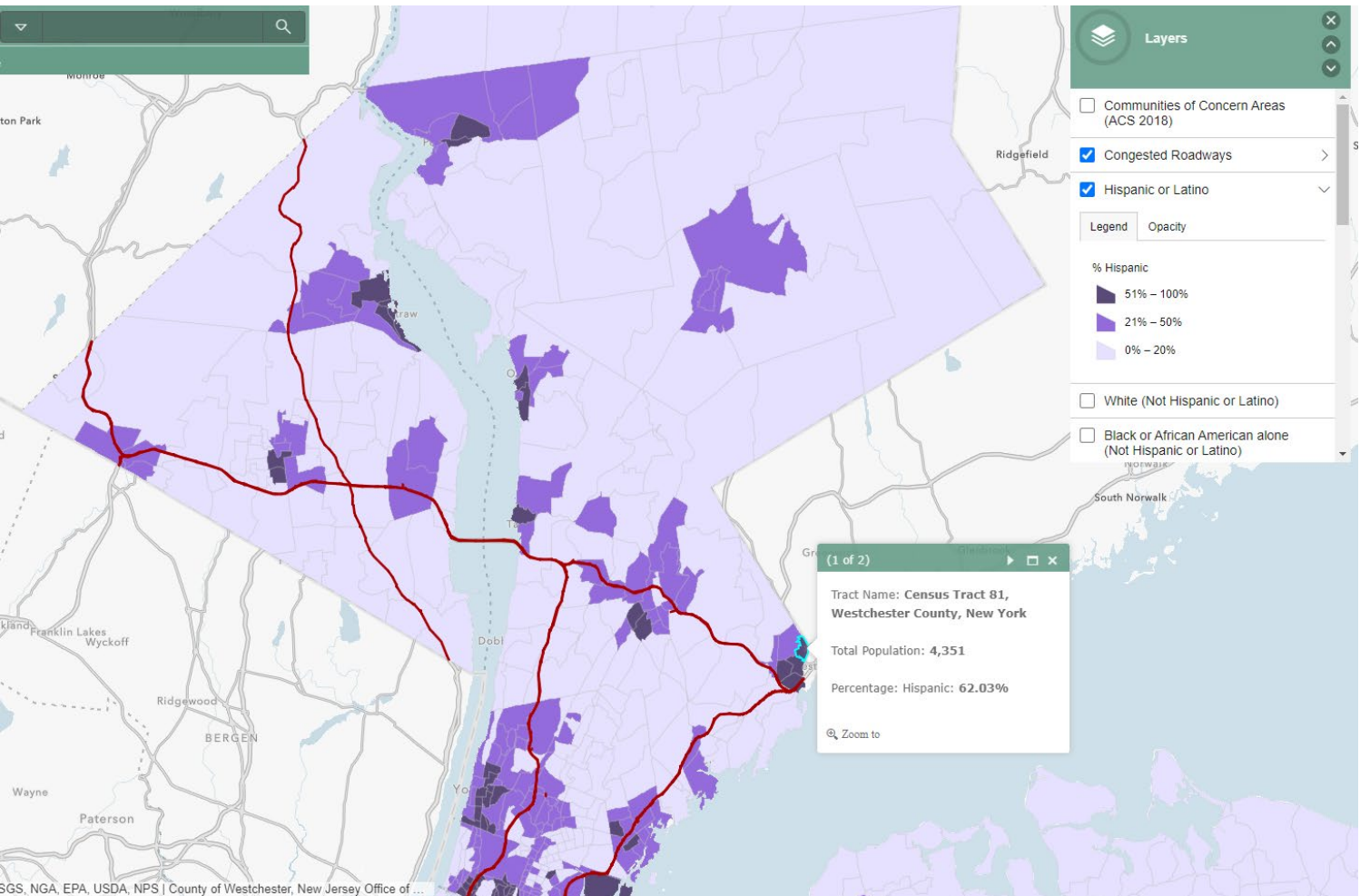
Race/Ethnicity	Group Population in the NYMTC Region	% of Population in the NYMTC Region
Hispanic or Latino	3,269,854	25.79%
White (not Hispanic or Latino)	5,358,807	42.26%
Black or African American alone (not Hispanic or Latino)	2,282,510	18.00%
American Indian and Alaska Native alone (Not Hispanic or Latino)	20,617	0.16%
Asian alone (Not Hispanic or Latino)	1,427,211	11.26%
Native Hawaiian and Other Pacific Islander alone	3,515	0.03%
Some other race alone (Not Hispanic or Latino)	90,571	0.71%
Two or more races (Not Hispanic or Latino)	226,664	1.79%
Total	**12,679,749**	**100%**

Source: 2014 – 2018 American Community Survey (ACS)

Congested Roadways and Communities of Concern
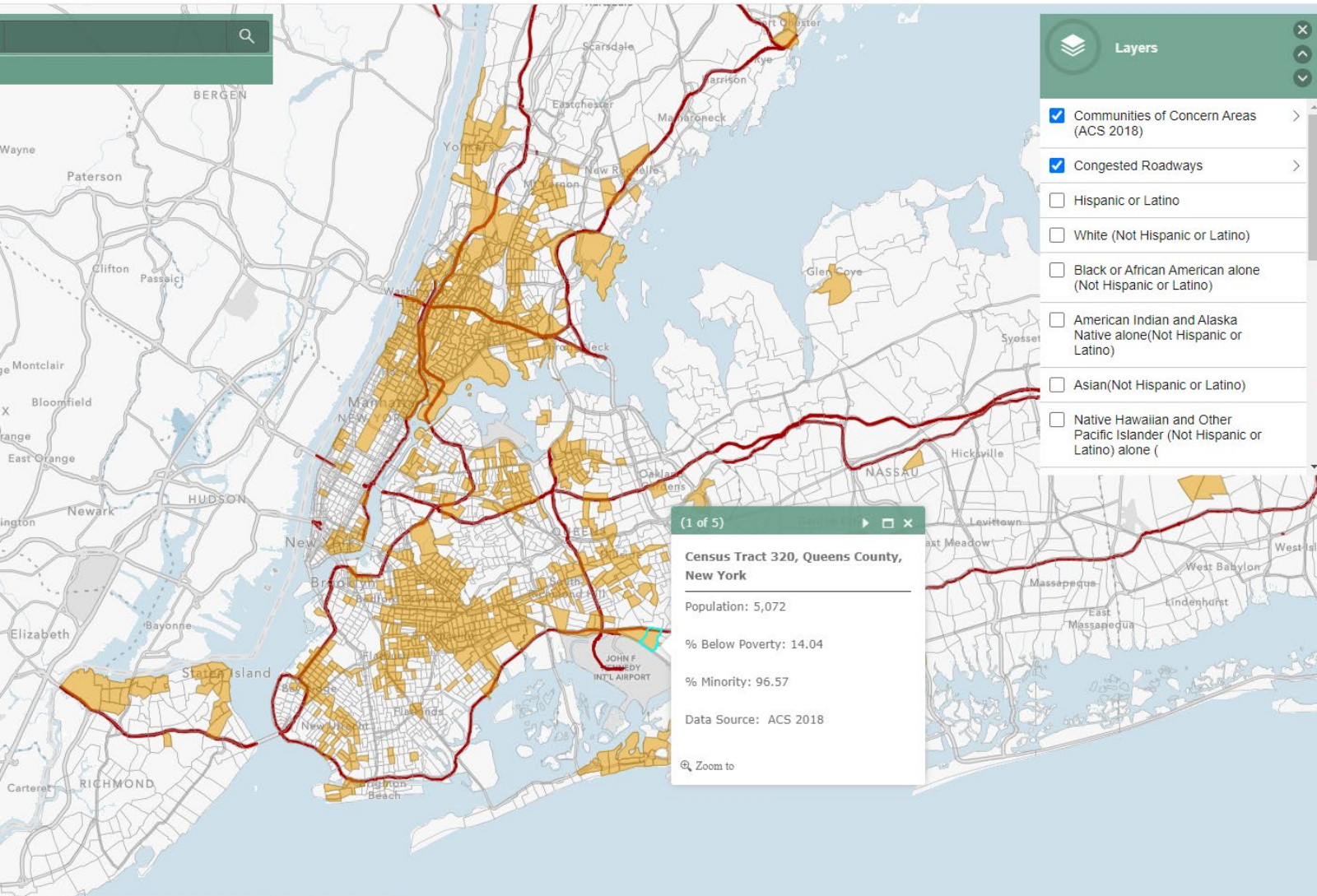
Congested Roadways shows Roadways where volume-to-capacity (VC) ratio is greater than 0.8 along the extent of a corridor.

Interactive mapper

Geospatial Assessment of the Plan

Means of Transportation to work

- Those who live in a COC are typically less likely to travel to work by a personal vehicle, have longer commutes, and have higher transportation cost burdens compared to residents of other areas.

- In COC's 60% of workers use public transportation to commute to work.

Means of Transportation to Work for Communities of Concern

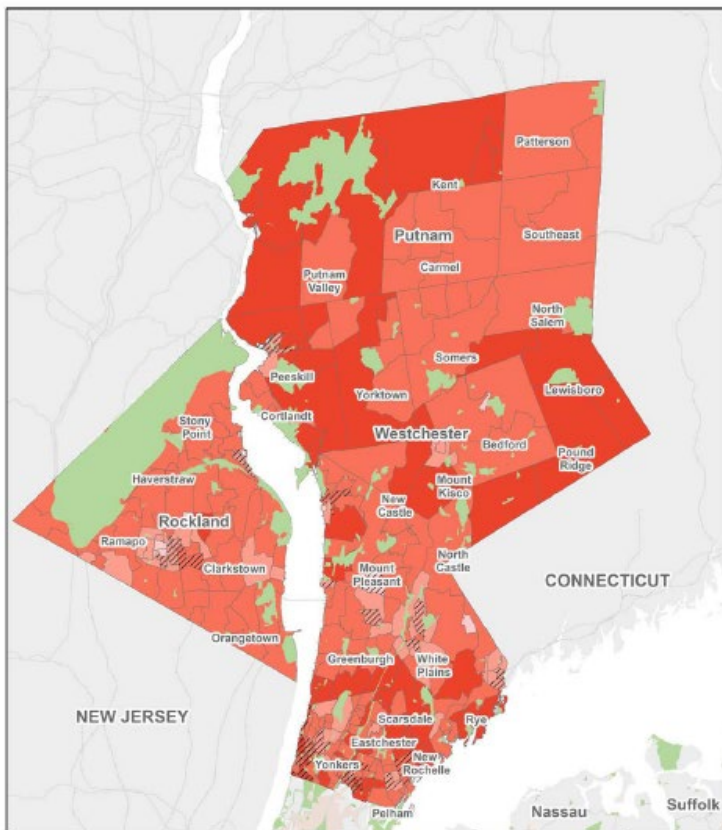| County	Total # of Workers over the age of 16	Car, Truck, Vans and Carpool	Public Transit (Excluding Taxi)	Bicycle	Walked	Taxi, Motorcycle or other means	Work at Home
		%	%	%	%	%	%
New York City	1,633,487	26%	64%	1%	9%	1%	3%
Long Island	68,879	88%	15%	1%	4%	1%	3%
Mid Hudson South	100,152	72%	26%	0%	9%	3%	3%
NYMTC Region (COC)	**1,802,518**	**30%**	**60%**	**1%**	**9%**	**1%**	**3%**
NYMTC Region (non – COC)	**4,217,620**	**66%**	**34%**	**1%**	**13%**	**1%**	**5%**

ACS data do not include transportation network companies such as Uber or Lyft
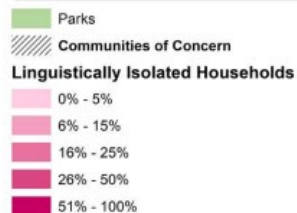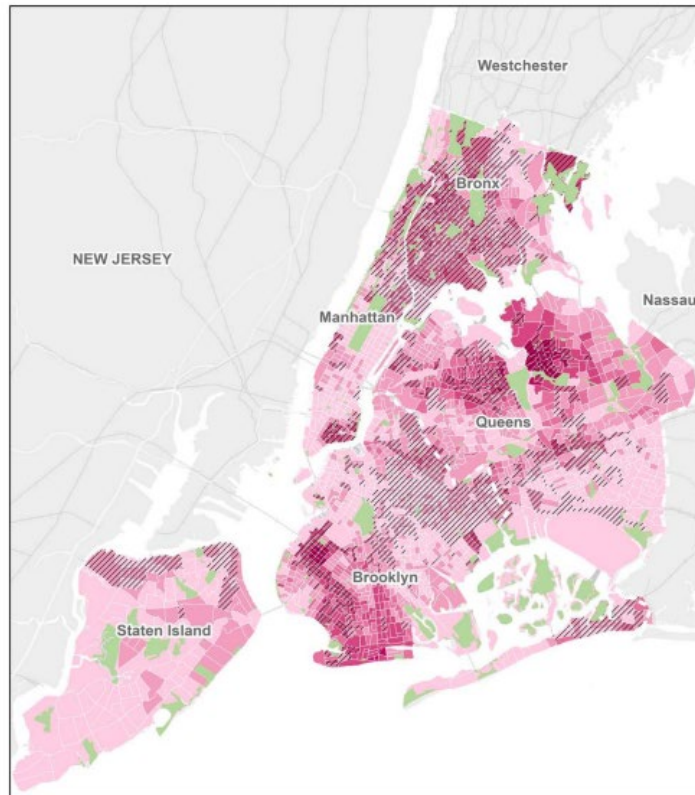
Travel time to work

- In the NYMTC planning area, 37 % of COC had a commute of more than one hour.
- 27% of commuters in COC had commutes less than 30 minutes.

Travel Time to Work: Communities of Concern and Subregion

County	Total # of Workers	< 15 Min. %	15-29 Min. %	30-44 Min. %	45-59 Min. %	>59 Min. %
New York City	1,578,880	8%	17%	28%	18%	37%
Long Island	66,884	21%	36%	23%	6%	19%
Mid Hudson South	97,196	21%	30%	23%	8%	43%
NYMTC Region (COC)	**1,742,960**	**9%**	**18%**	**27%**	**17%**	**37%**
NYMTC Region (non – COC)	**4,022,735**	**15%**	**26%**	**24%**	**12%**	**30%**

Parks

Community of Concern

Mean Travel Time to Work

0 - 20
21 - 30
31 - 38
39 - 48
49 - 62

Linguistically Isolated Households

Parks

Communities of Concern

Linguistically Isolated Households
- 0% - 5%
- 6% - 15%
- 16% - 25%
- 26% - 50%
- 51% - 100%

- There is a high geographic correlation between linguistic isolation and COC.

- Within COC in the NYMTC planning area, 19 % are considered linguistically isolated in contrast to 7 % of total households considered linguistically isolated in the remainder of the NYMTC planning area.

Geospatial Assessment of the Planning Process Outcomes

Assessing Planning Process Outcomes
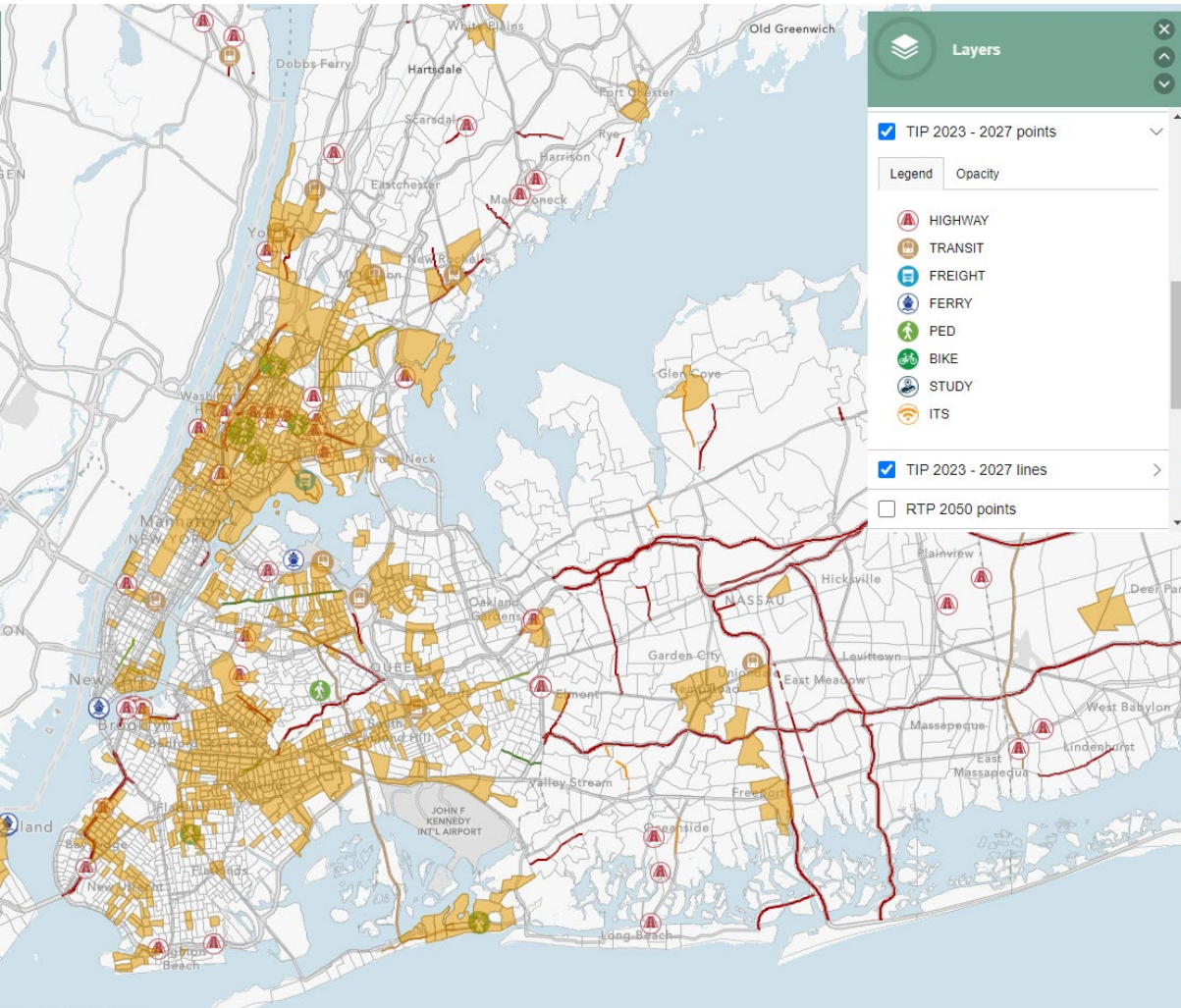
	COC	All Other Communities	Project Impacting Both Categories	Total
Population	1,163,984	2,047,763	N/A	3,211,747
% of Population	36%	64%	N/A	100%
Programmed Funding for Projects	$1.18M	$288,100	$4.98M	$6.45M
% of Total Plan Programmed Funding	18%	4%	77%	100%
Programmed Funding per Capita	$1,013.19	$140.73	$1,550.28	$2,704.2
Programmed Funding Per Capita (Including Projects that Impact Both Categories)	$5,290.83	$2,572.21		

Next steps

- Add a query widget to have the ability to run analysis within the tool.
- Include other demographics in the calculation of community of concern.
- Improve the methodologies used for assessing the impacts of the metropolitan transportation planning process on underrepresented and disadvantaged groups in the NYMTC planning area.
- Update the Community of Concern data with 2020 5 – year estimates.