

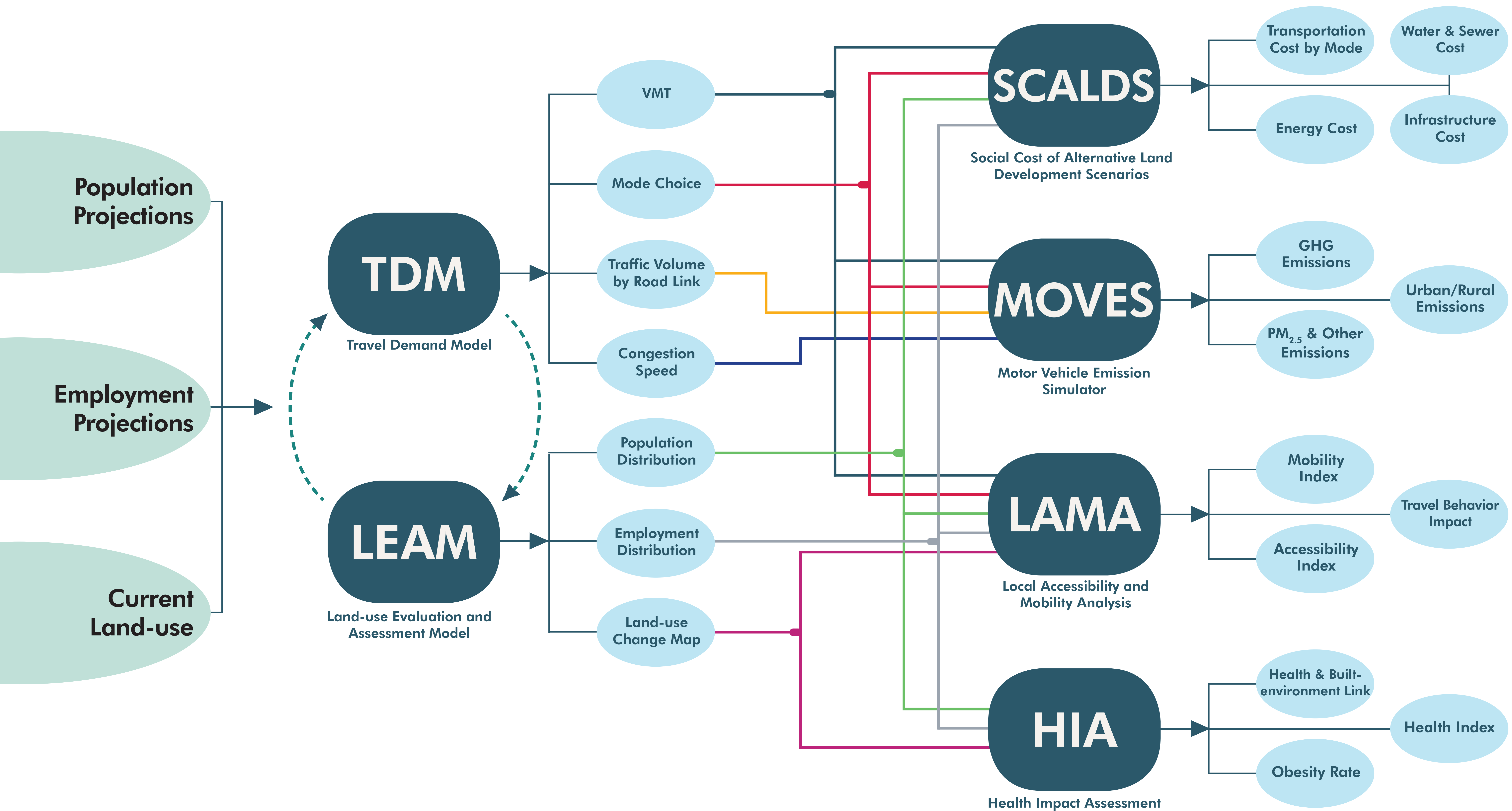
- Modeling Framework Overview
- Methodologies & Results
- Where we are
- Where we want to be

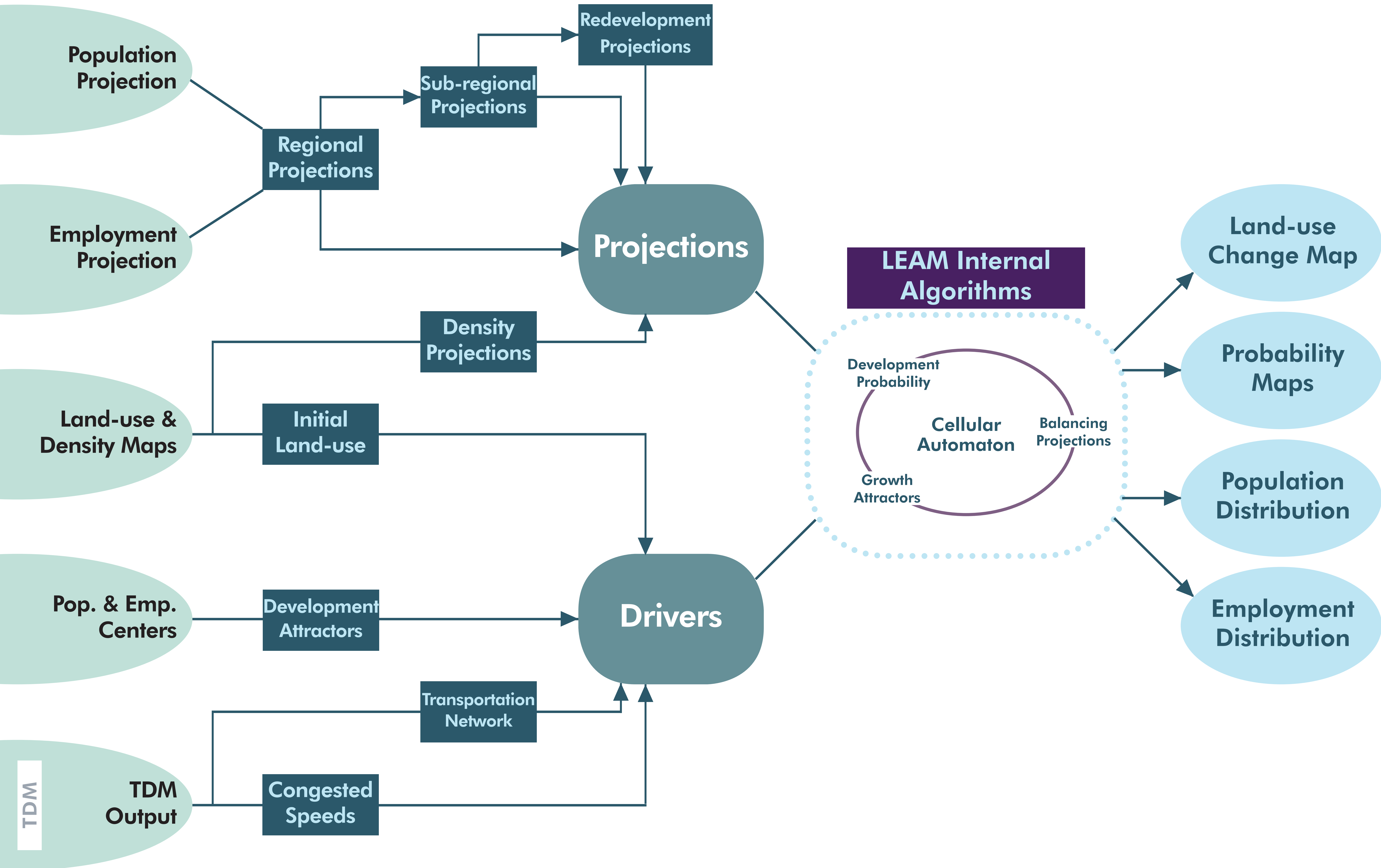
Transportation Modeling Framework

Champaign-Urbana Urbanized Area Transportation Study (CCUATS)

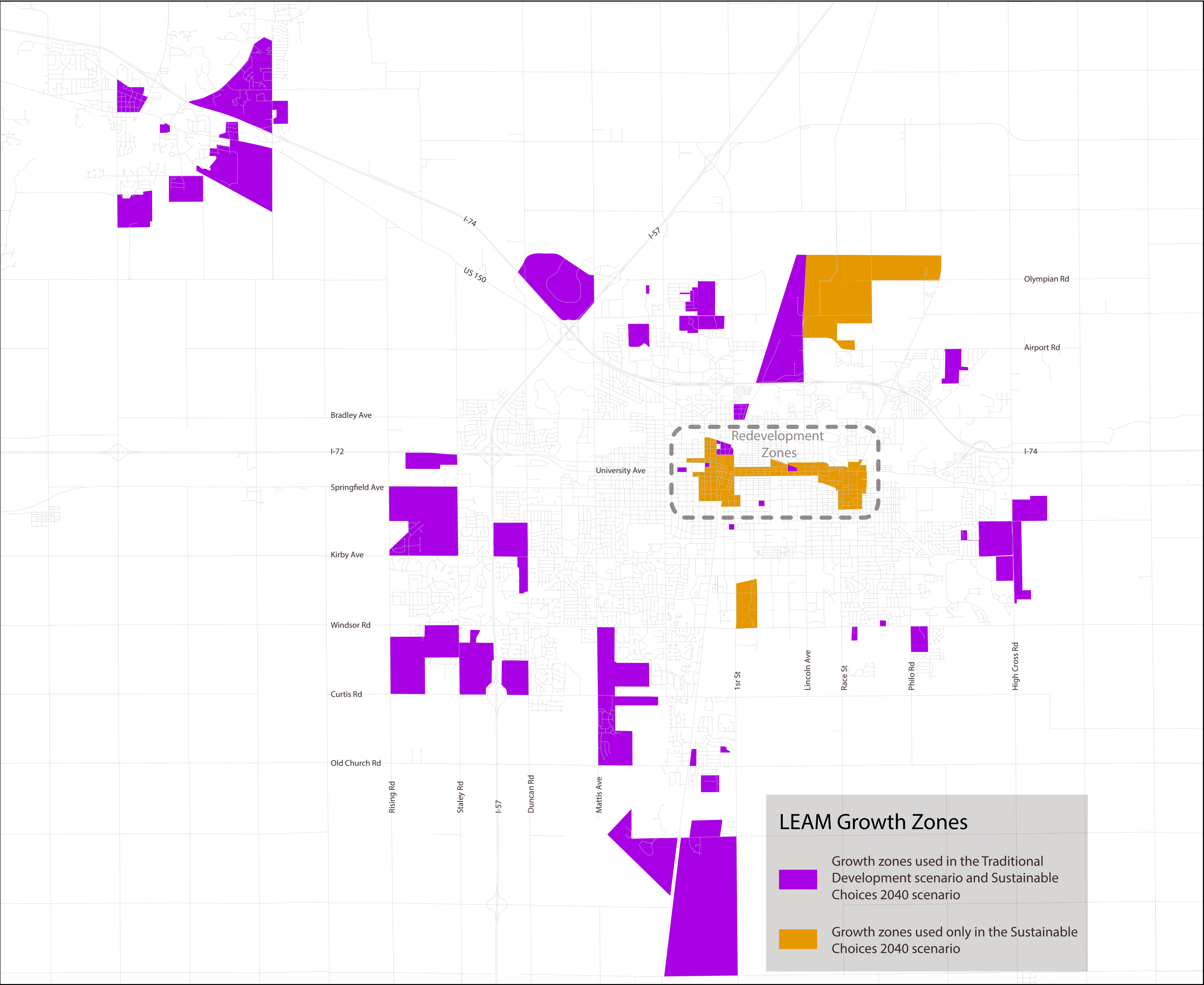
Champaign County Regional Planning Commission (CCRPC)

CUUATS MODELS

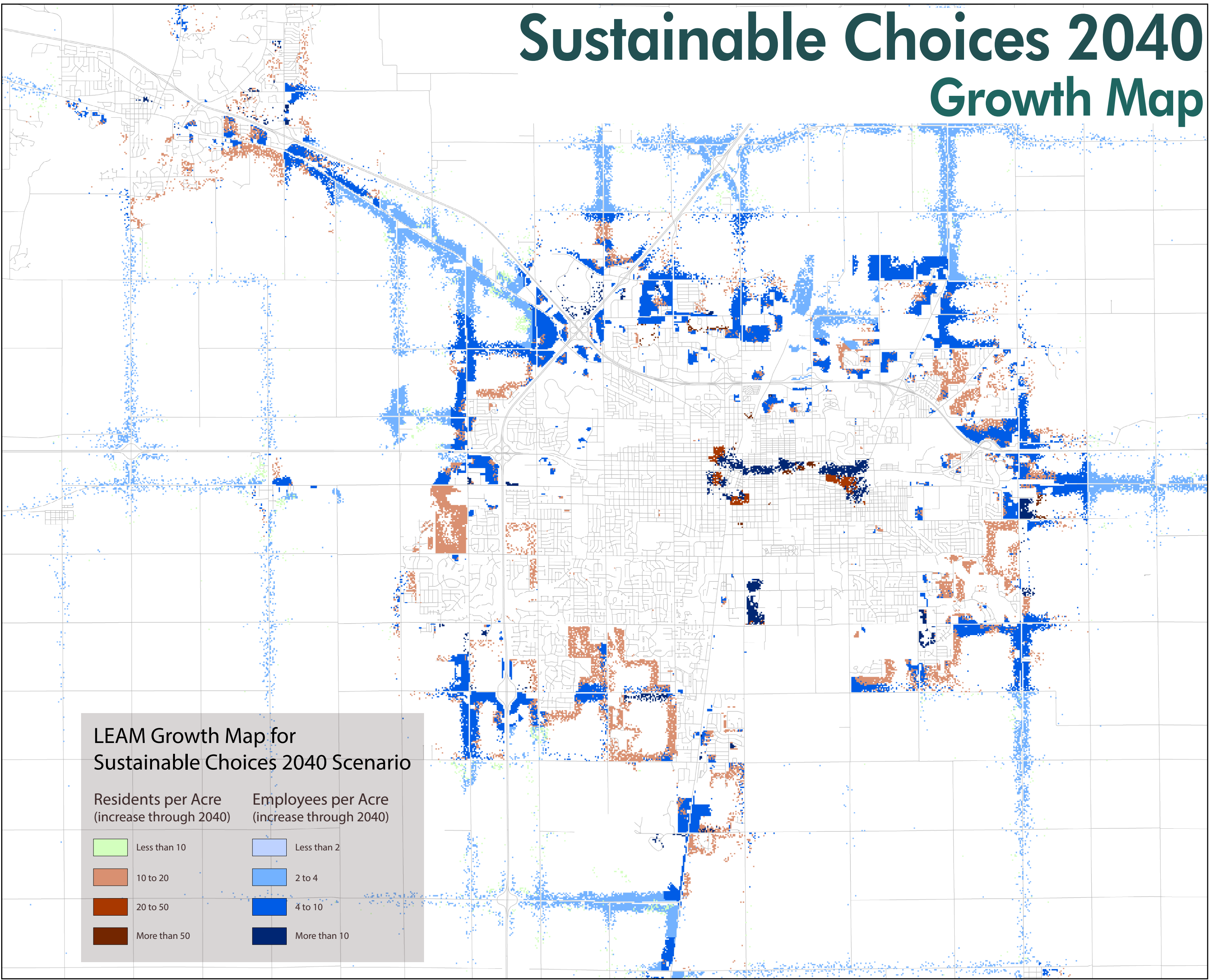
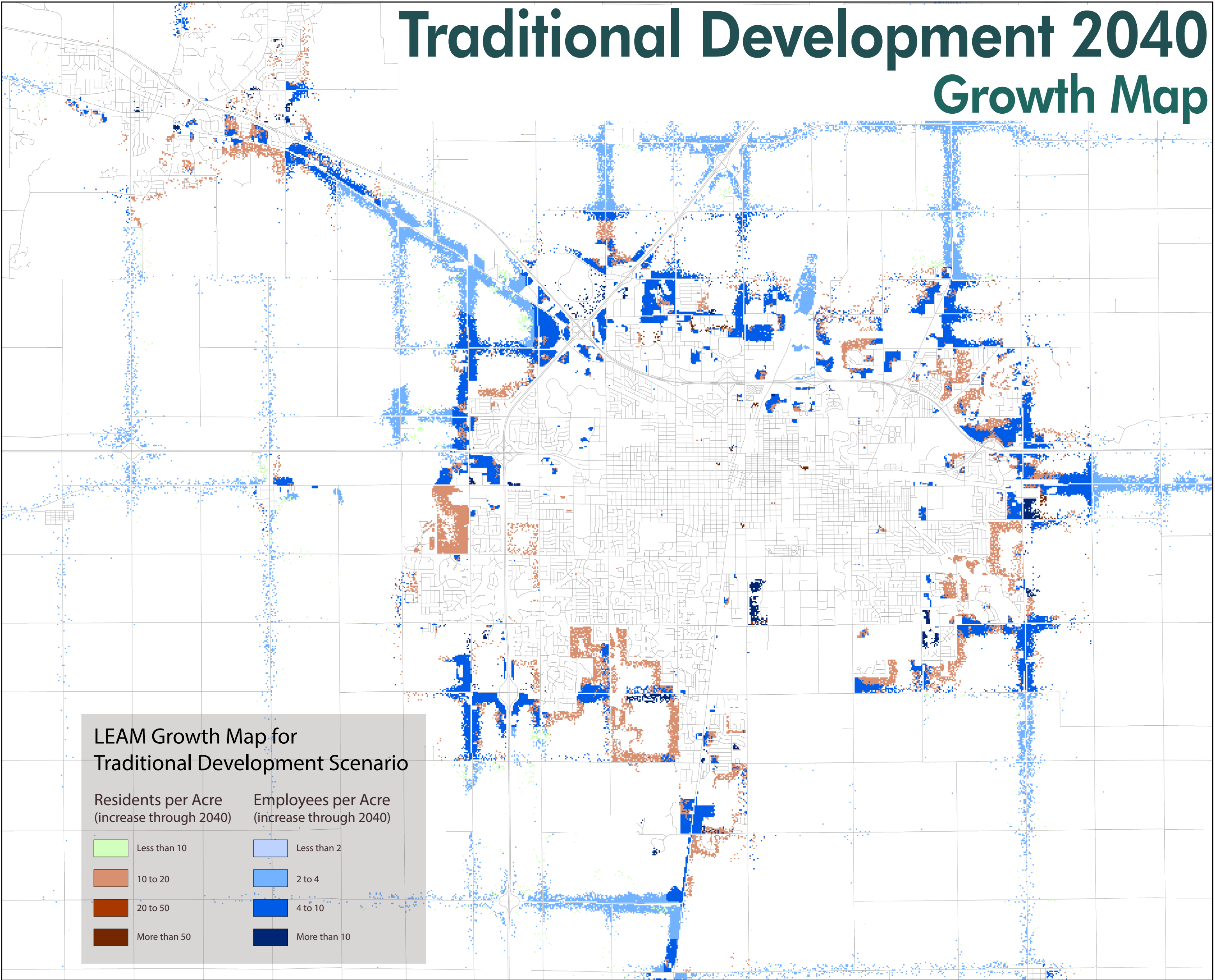


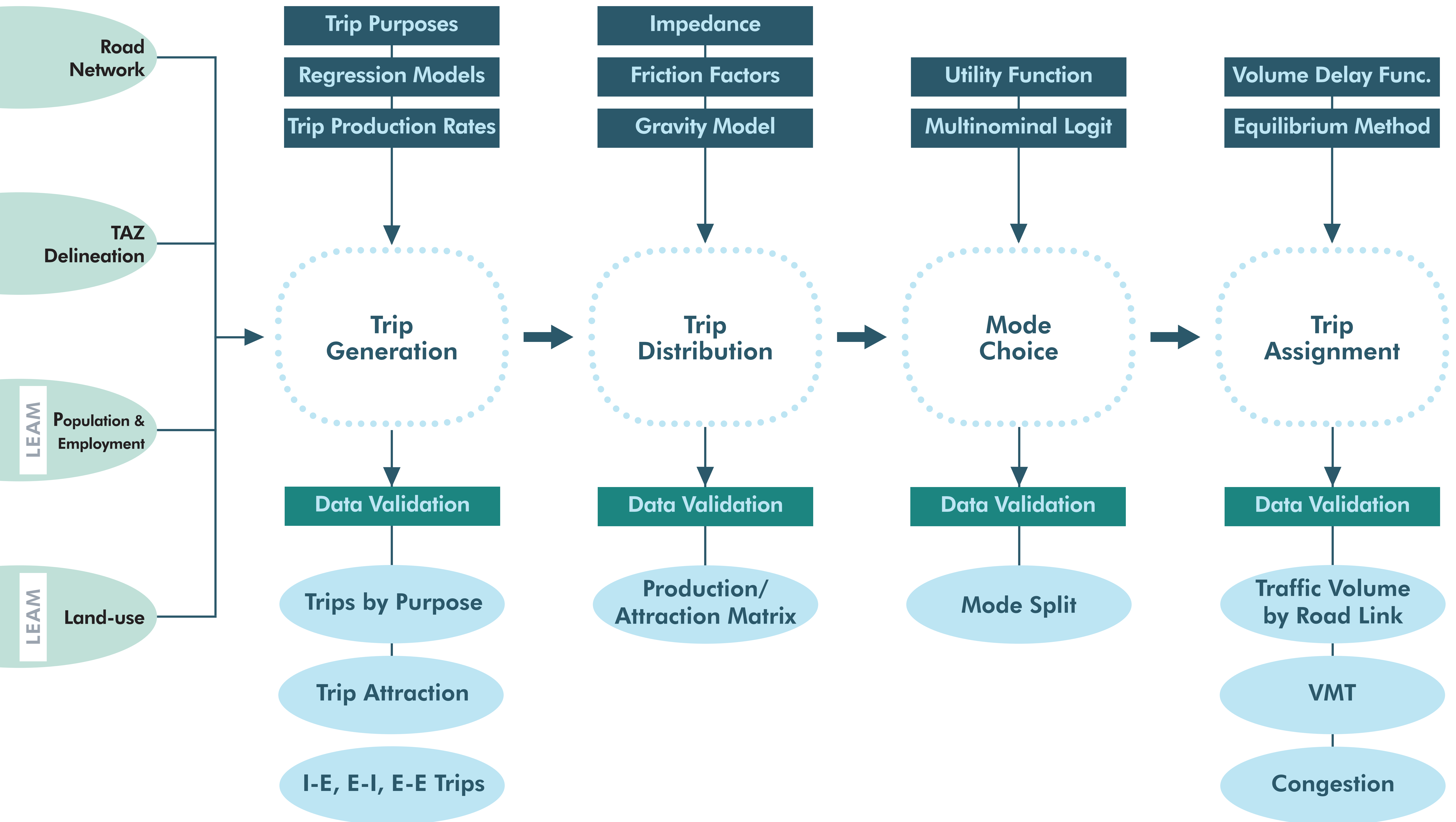


Predicted Growth Zones

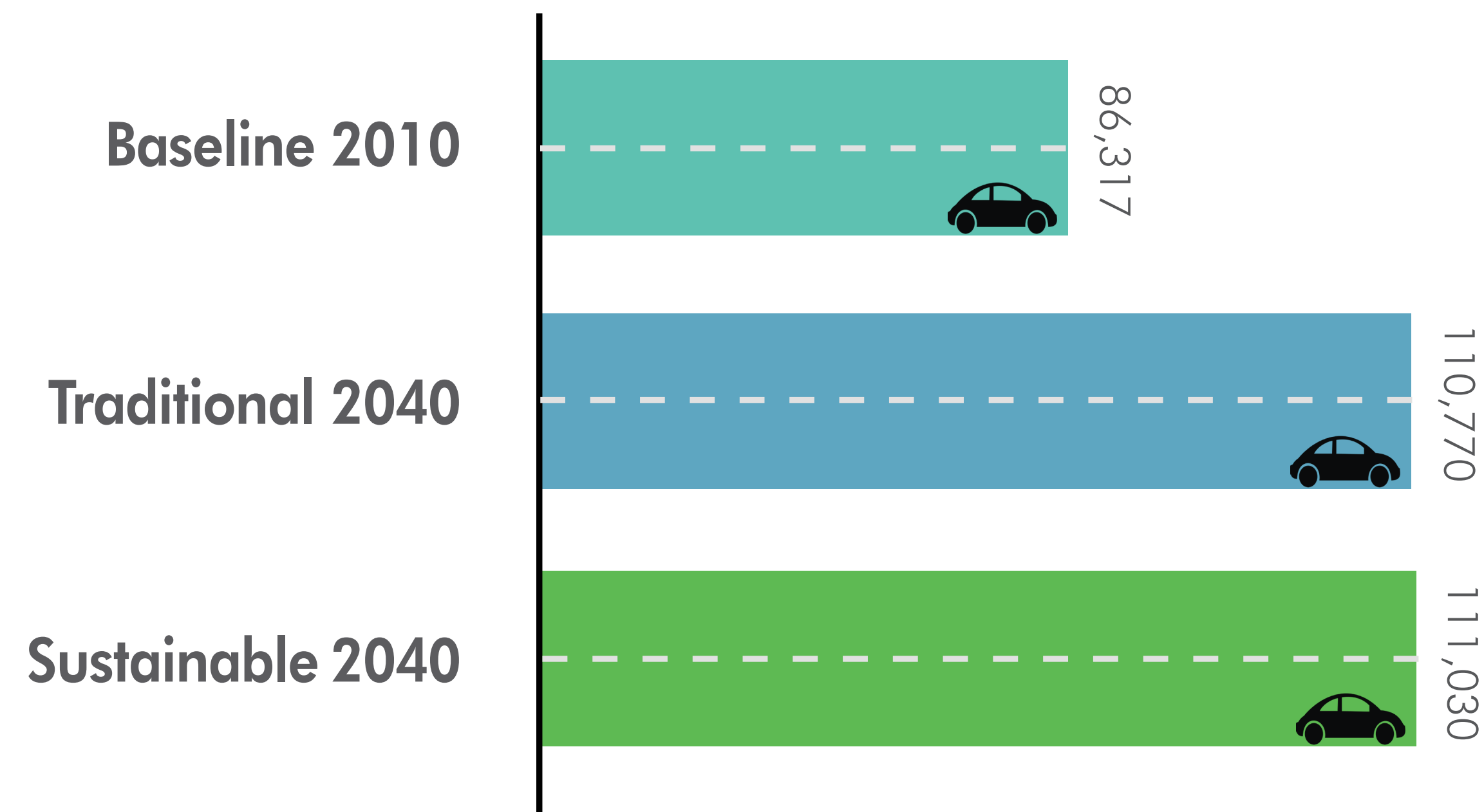


	County Population	Urbanized Area Population	County Employment
Baseline 2010	201,081	145,361	101,597
Traditional Development 2040	245,675	195,729	148,846
Sustainable Choices 2040	250,180	199,318	162,240

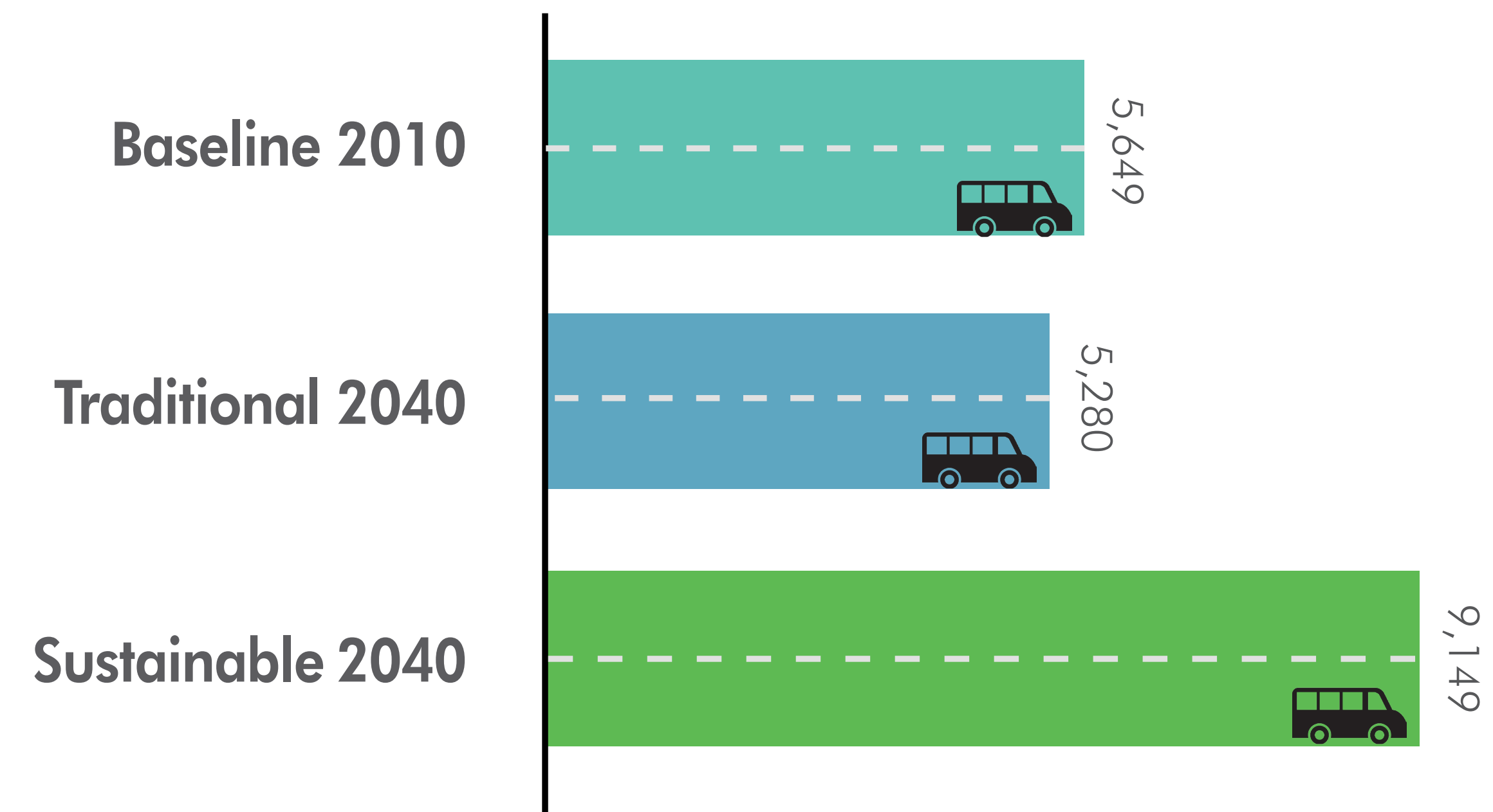




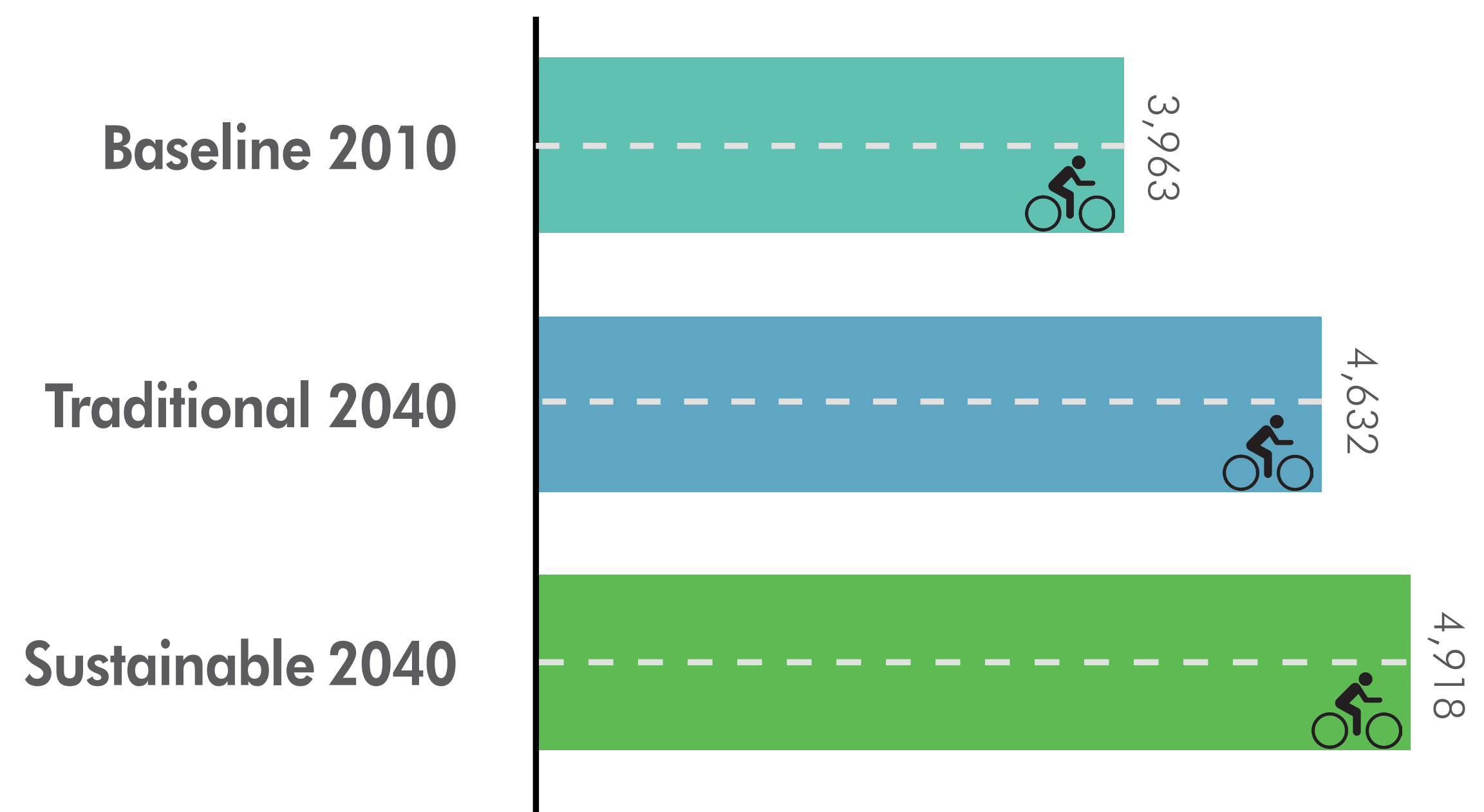
Driving Trips Estimates



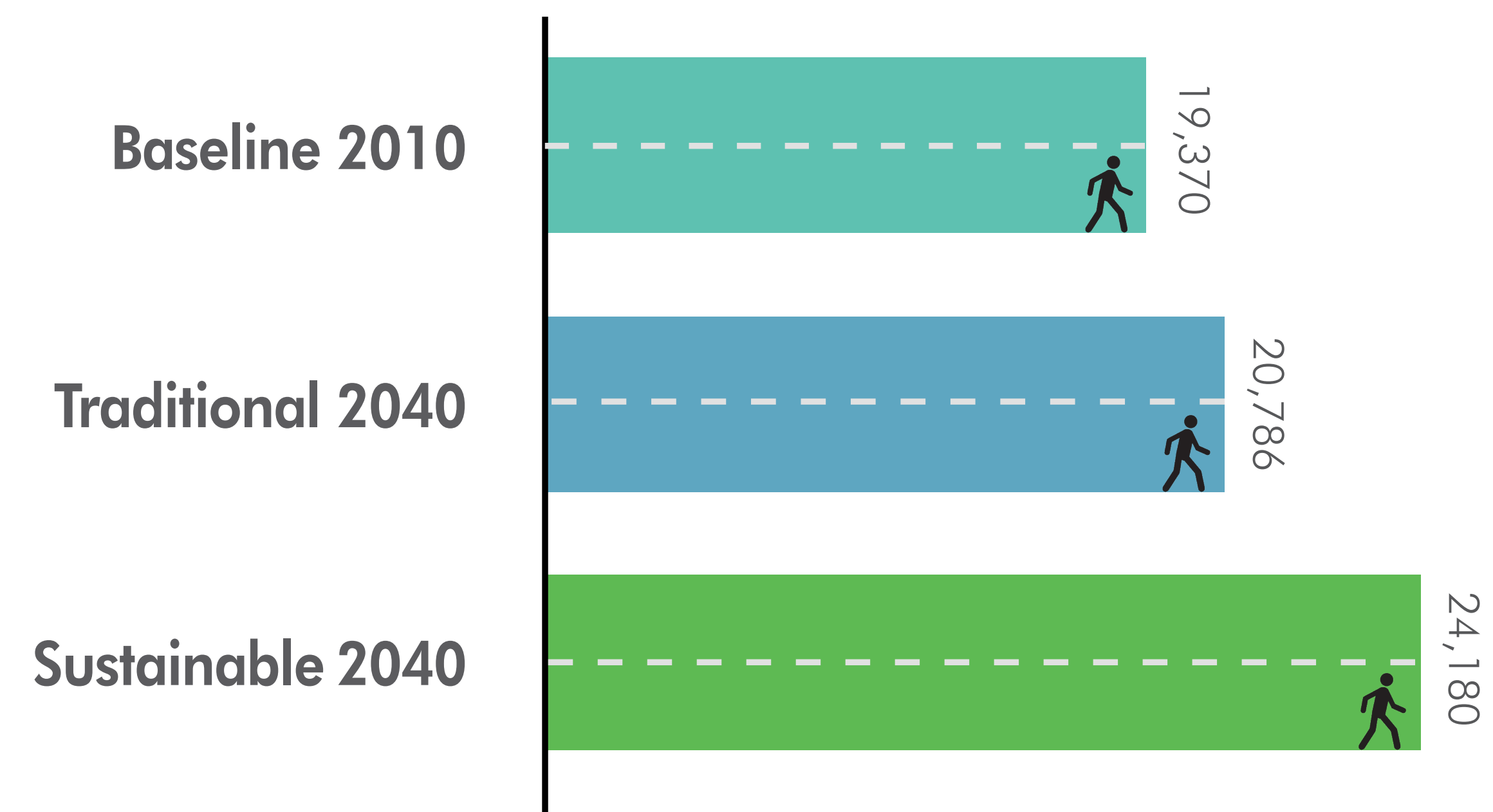
Transit Trips Estimates



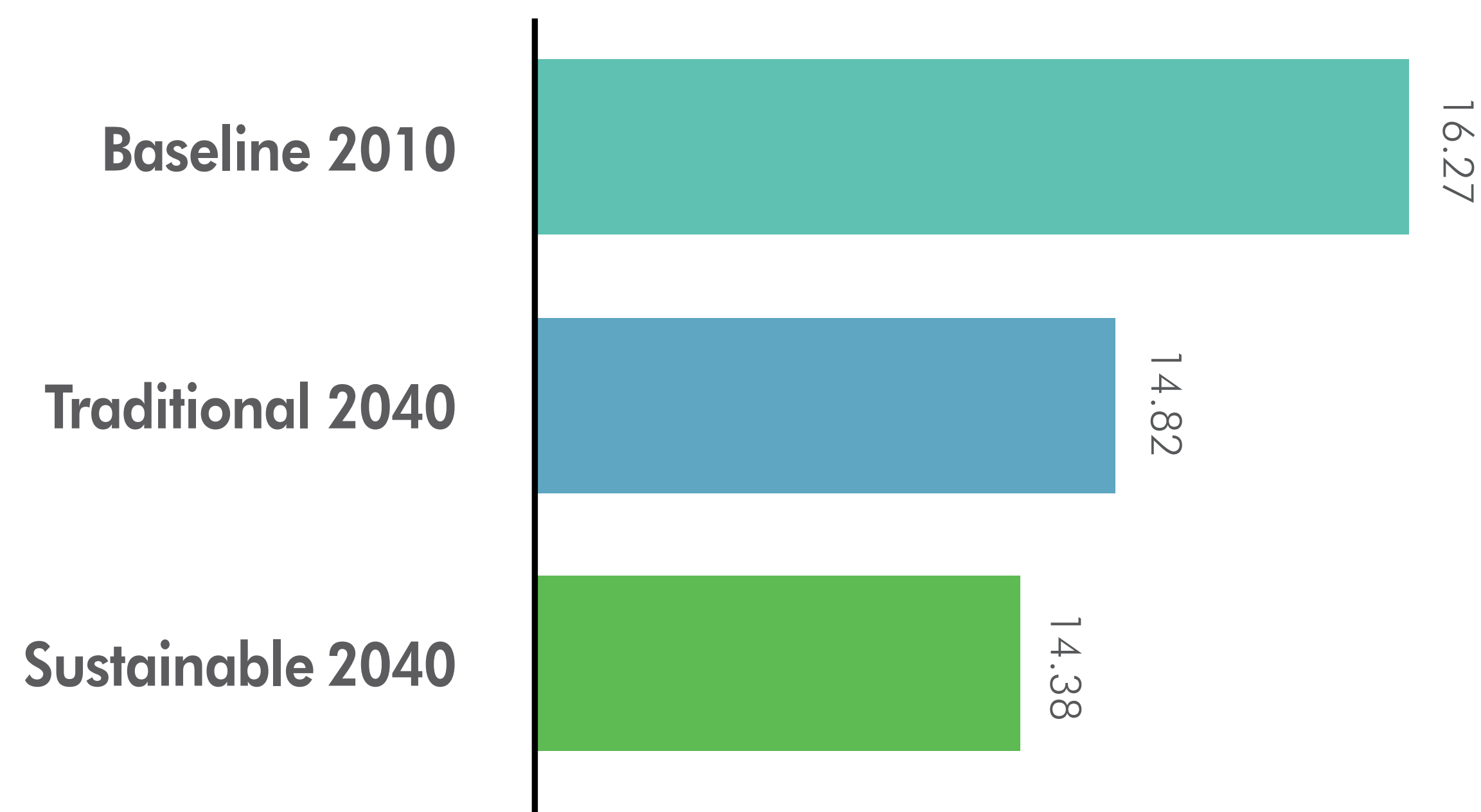
Biking Trips Estimates



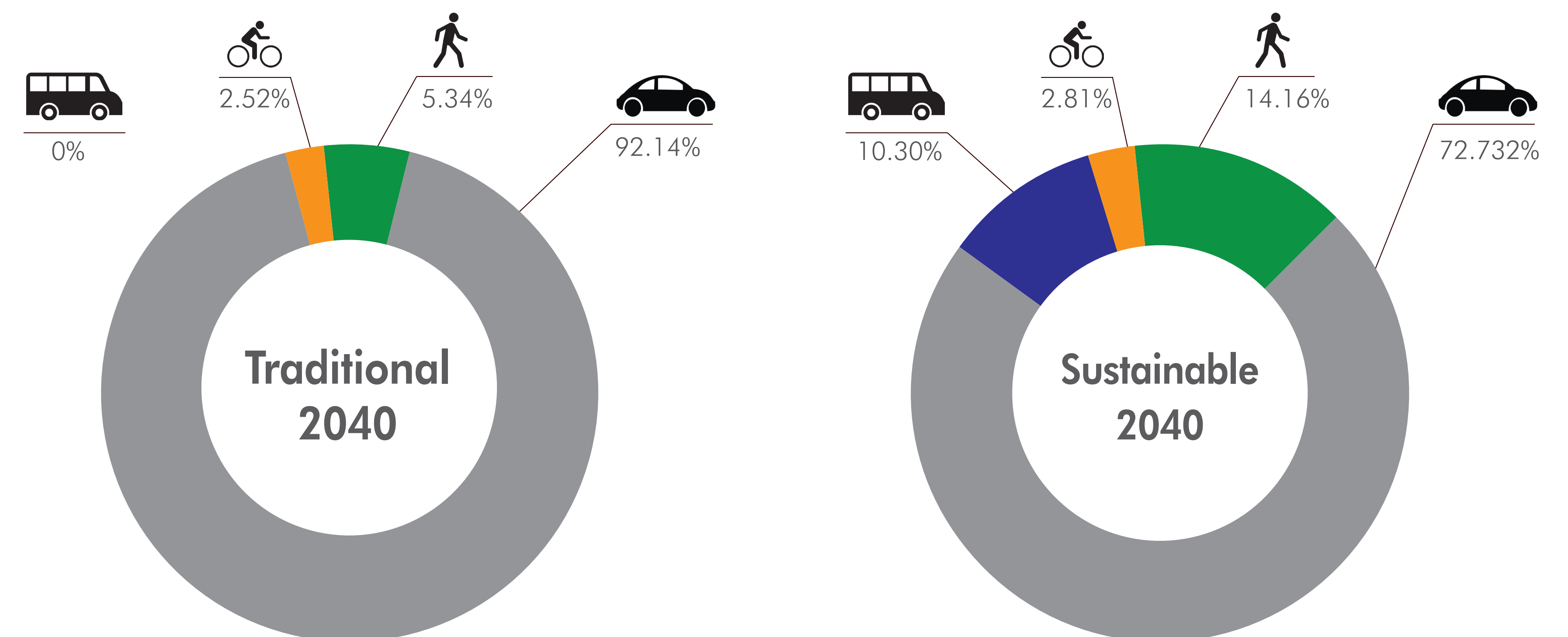
Walking Trips Estimates



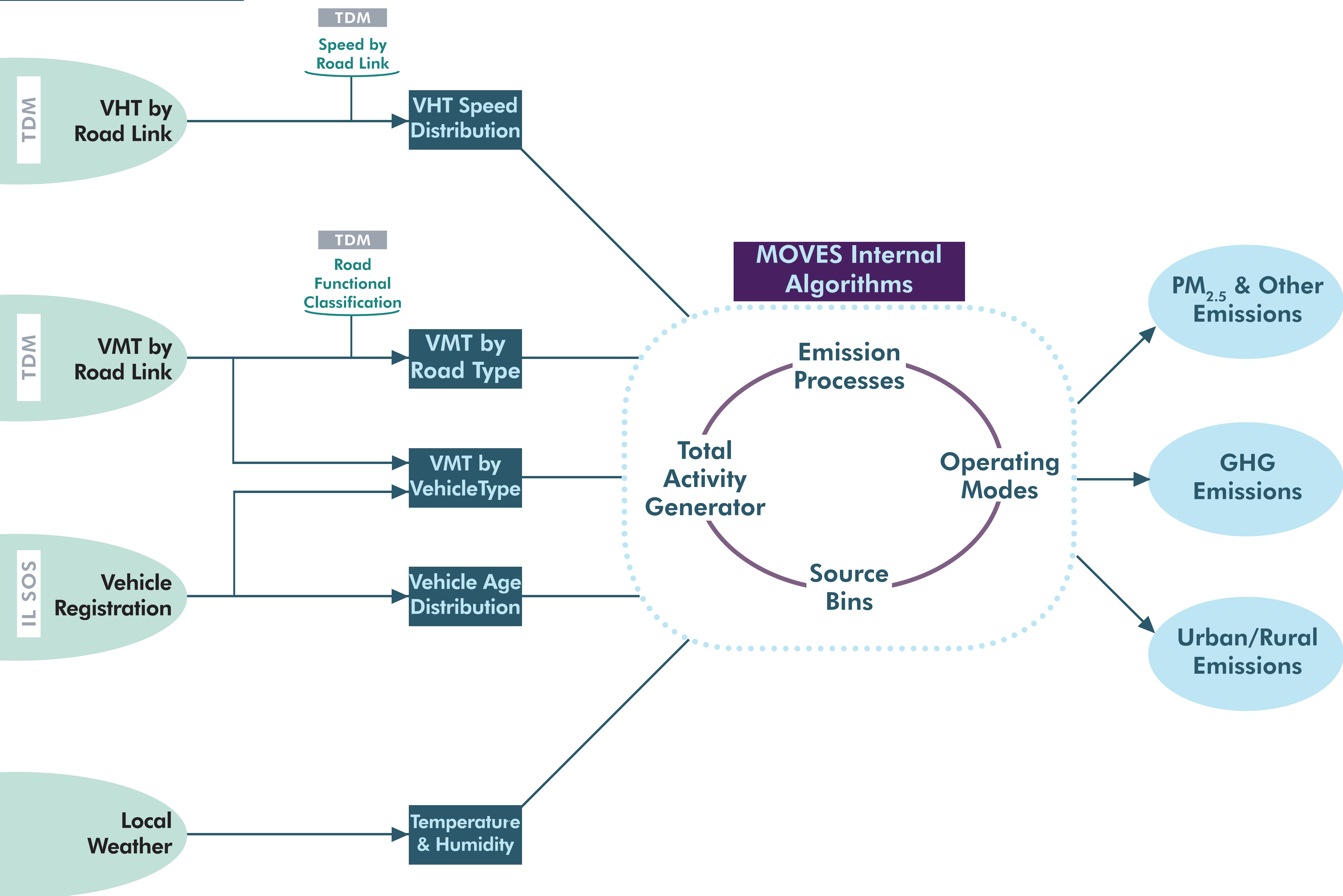
Urban Area VMT (Per Resident)



Increase in Trips by Mode 2010-2040

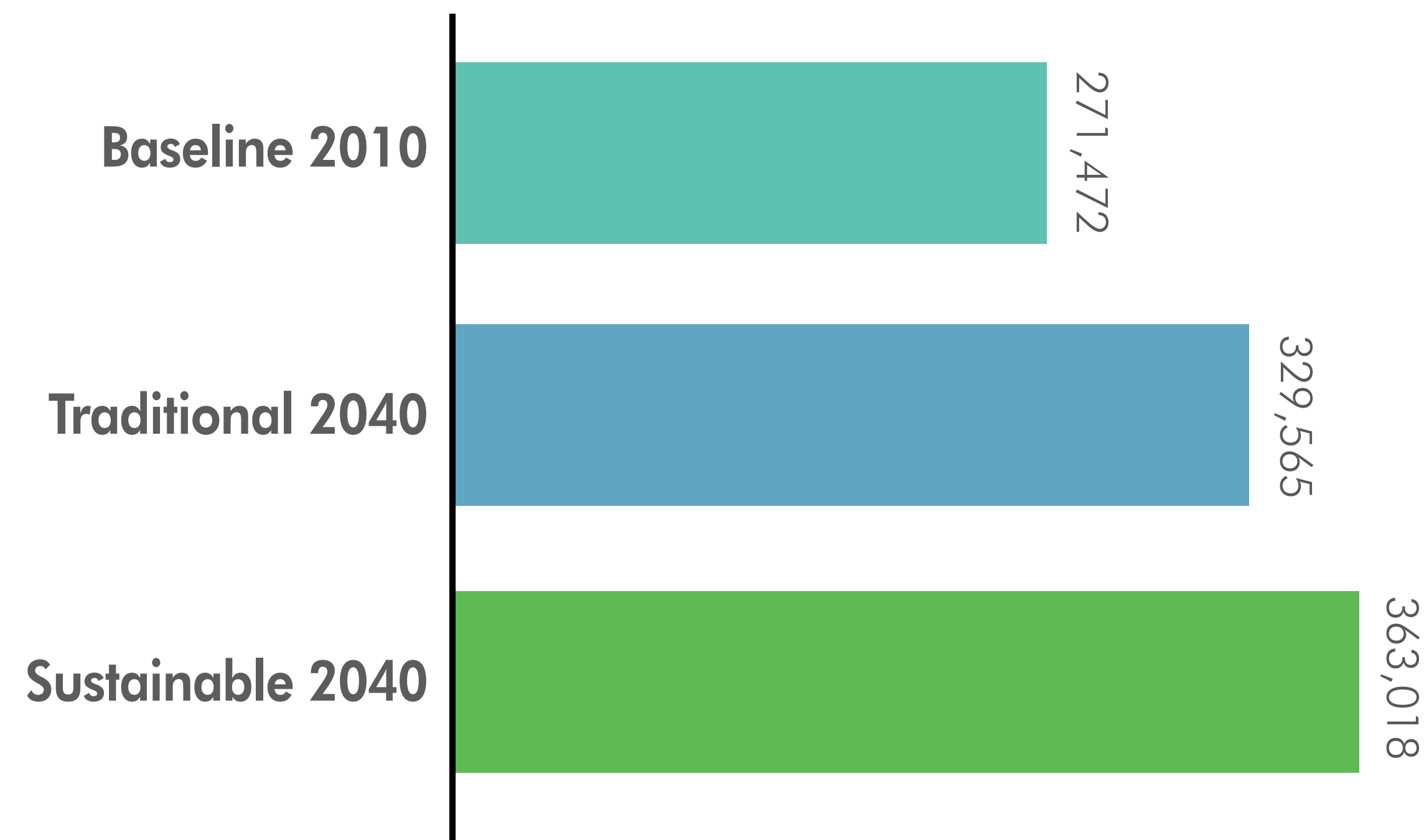


MOVES

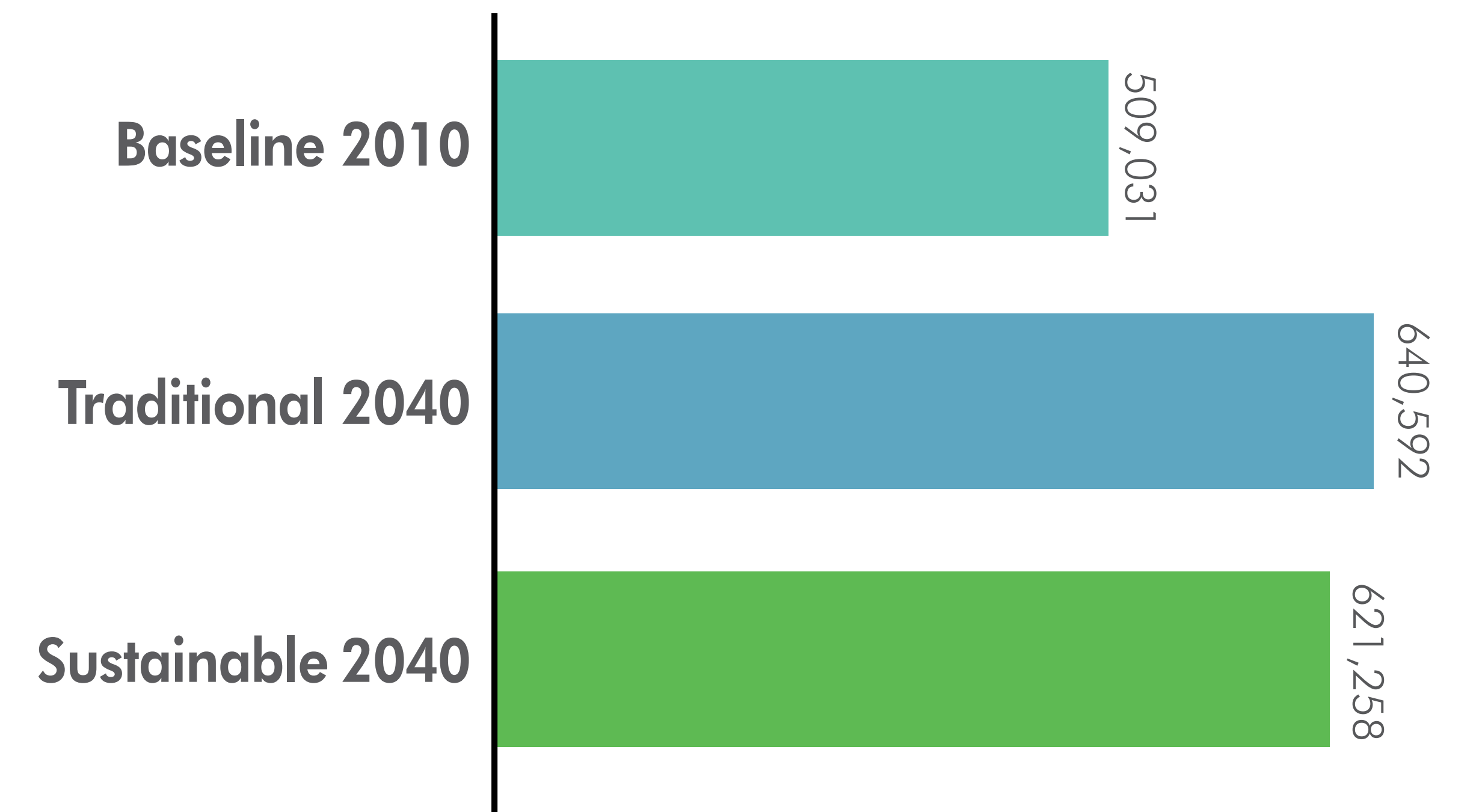


MOVES

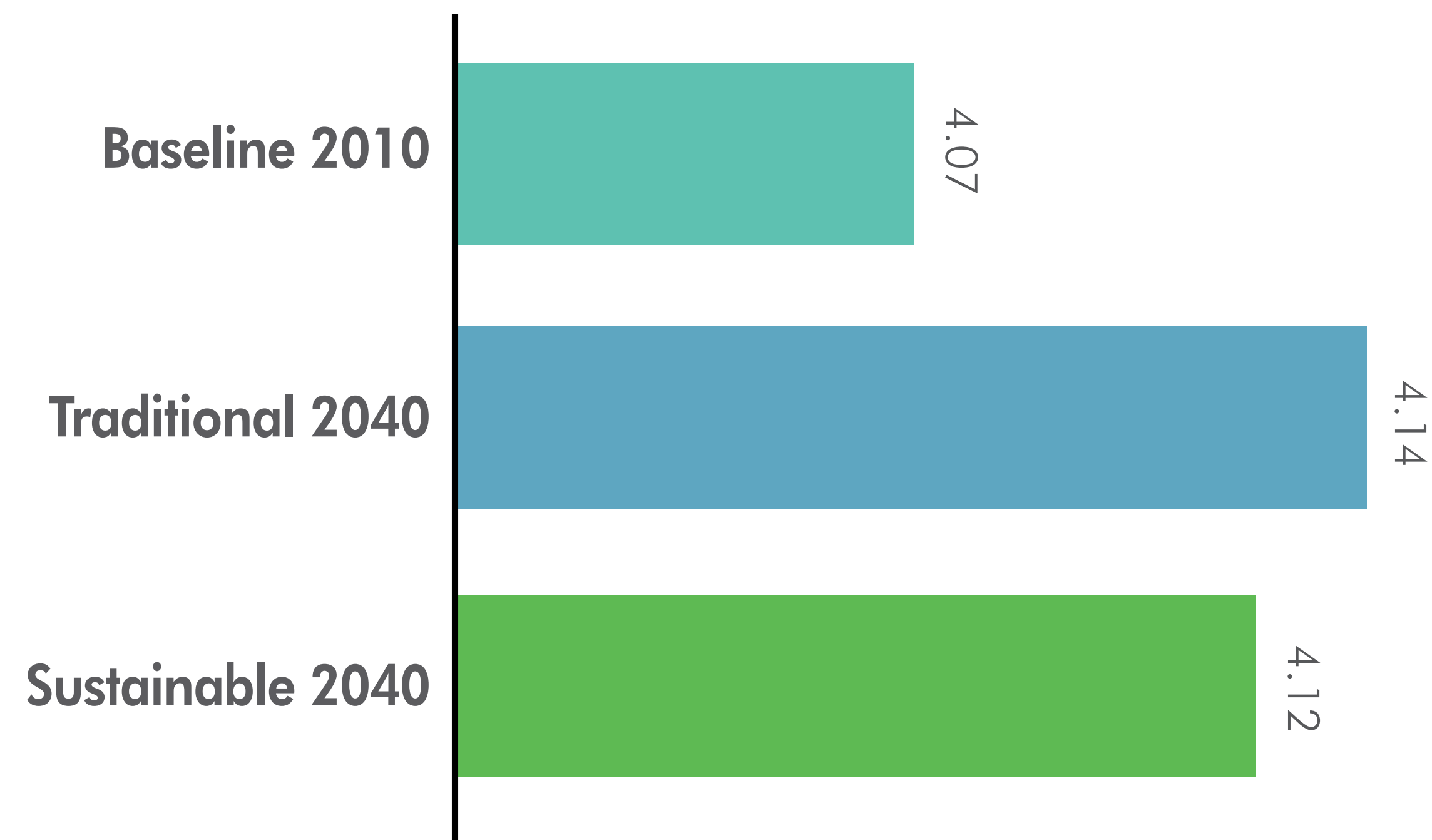
Urban CO₂ Equivalent (U.S. ton)



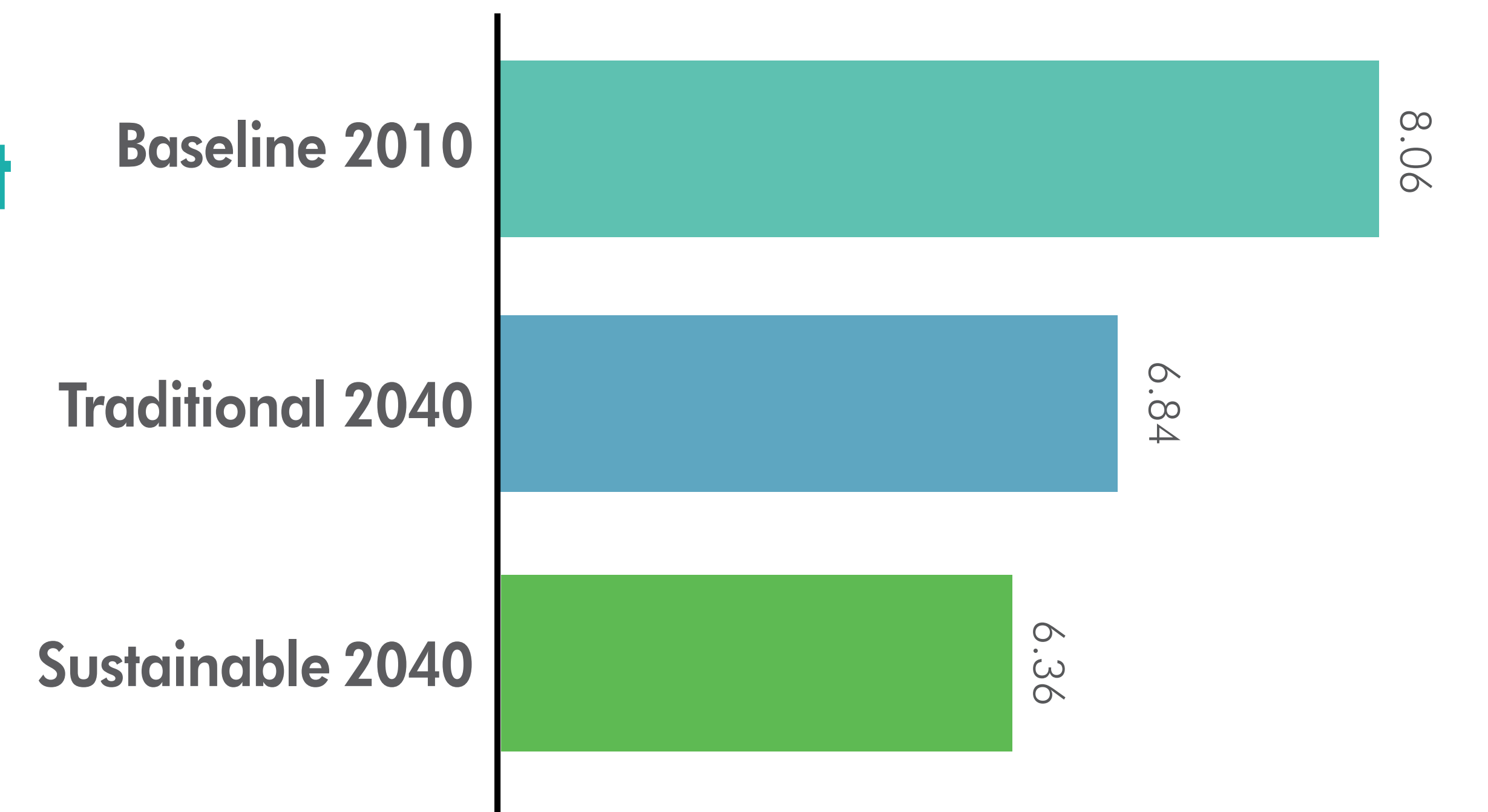
Rural CO₂ Equivalent (U.S. ton)



Per Resident CO₂ Equivalent (U.S. ton)



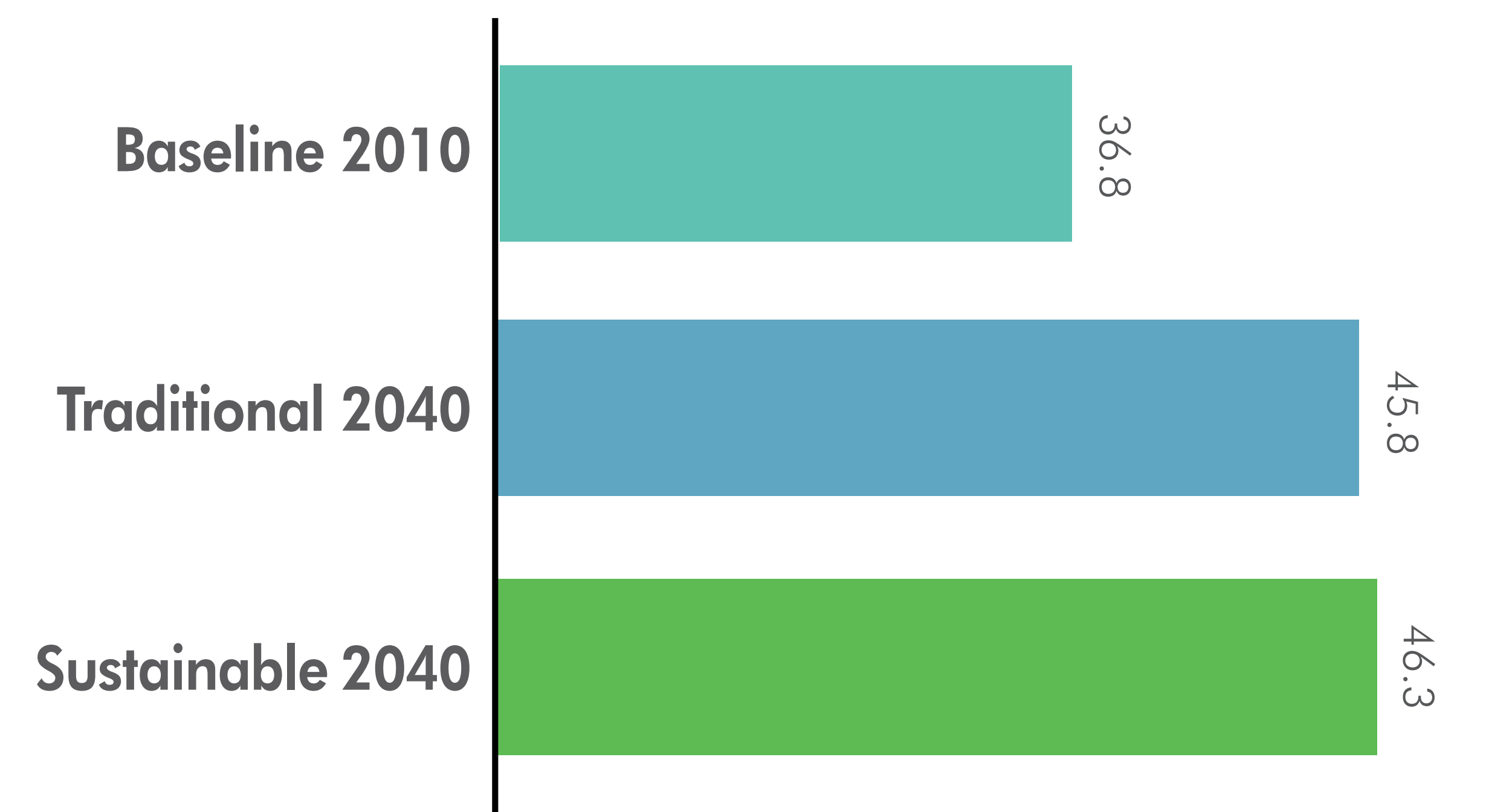
Per Employment CO₂ Equivalent (U.S. ton)



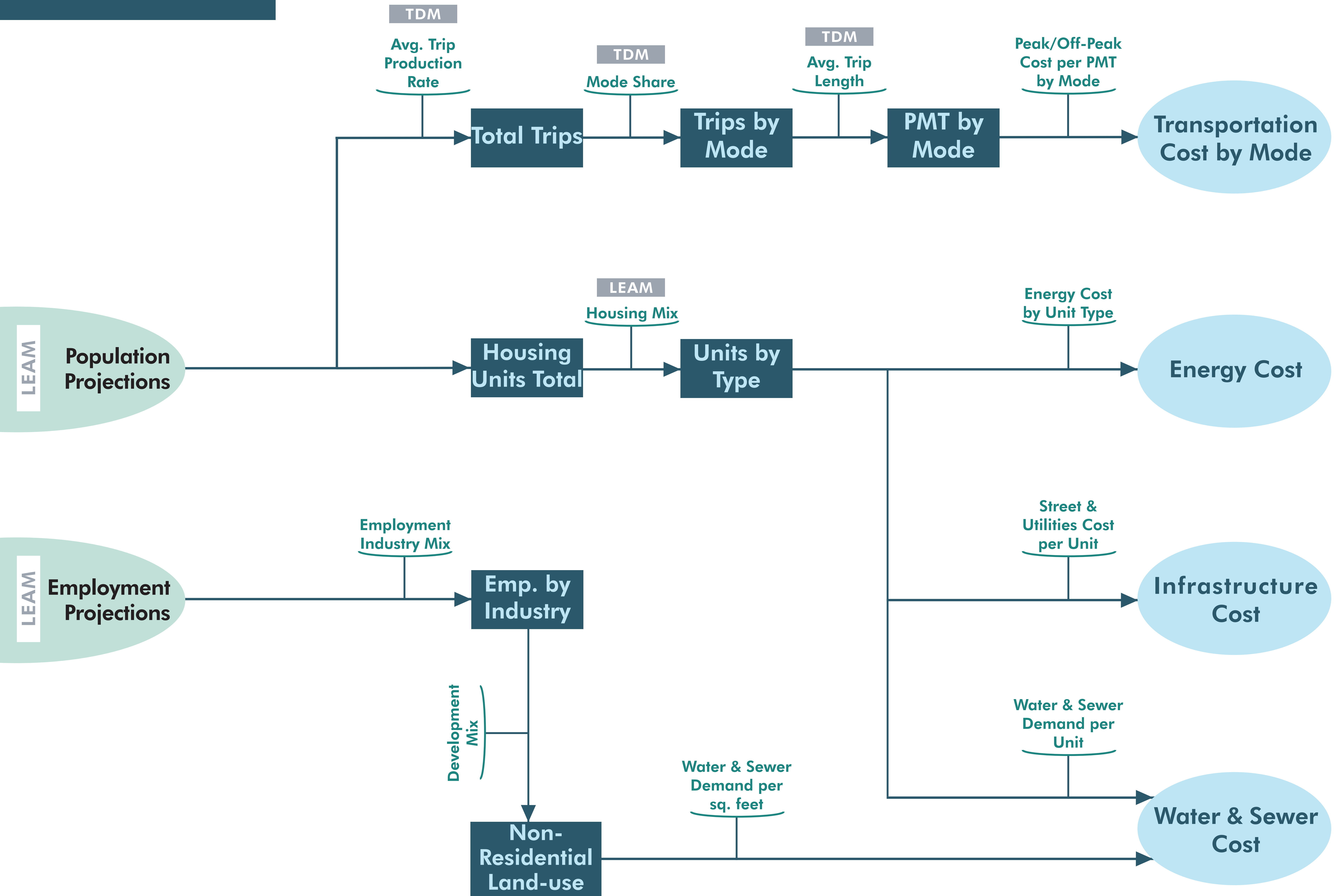
PM_{2.5} (U.S. ton)



PM₁₀ (U.S. ton)

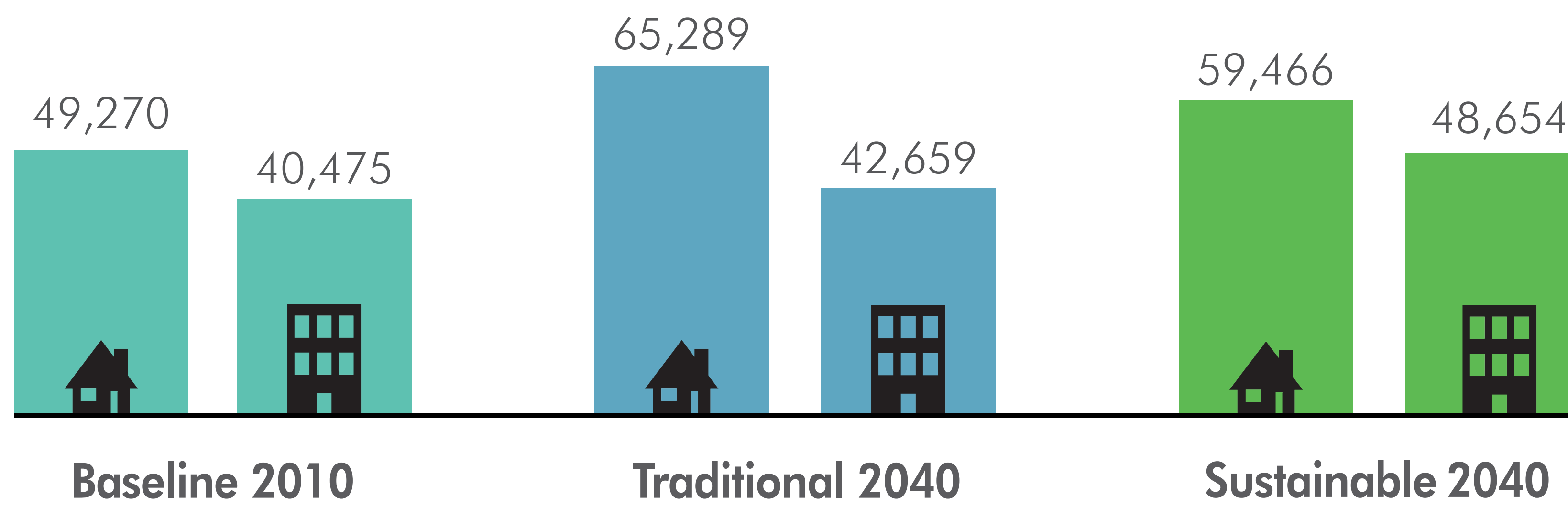


SCALDS

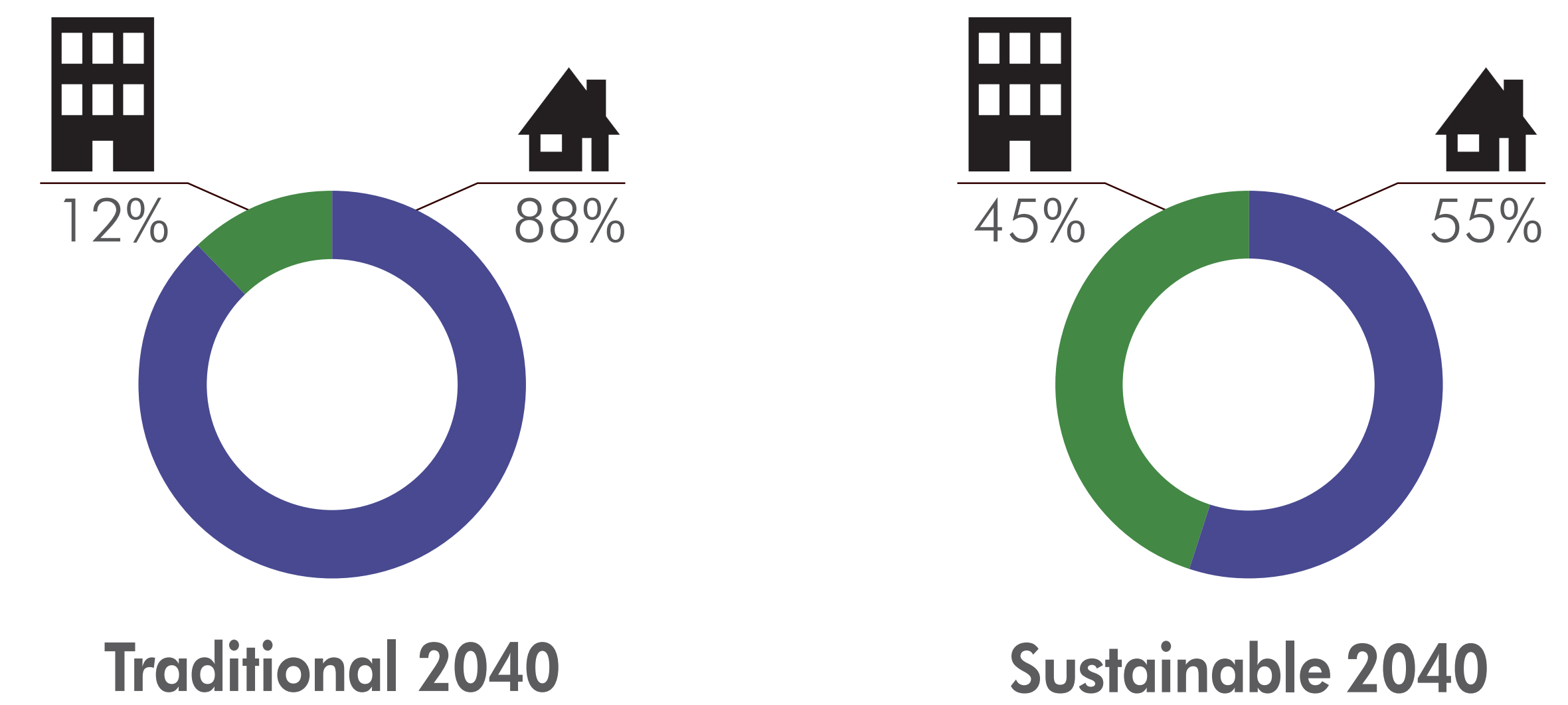


Single Family Unit
Multi Family Unit

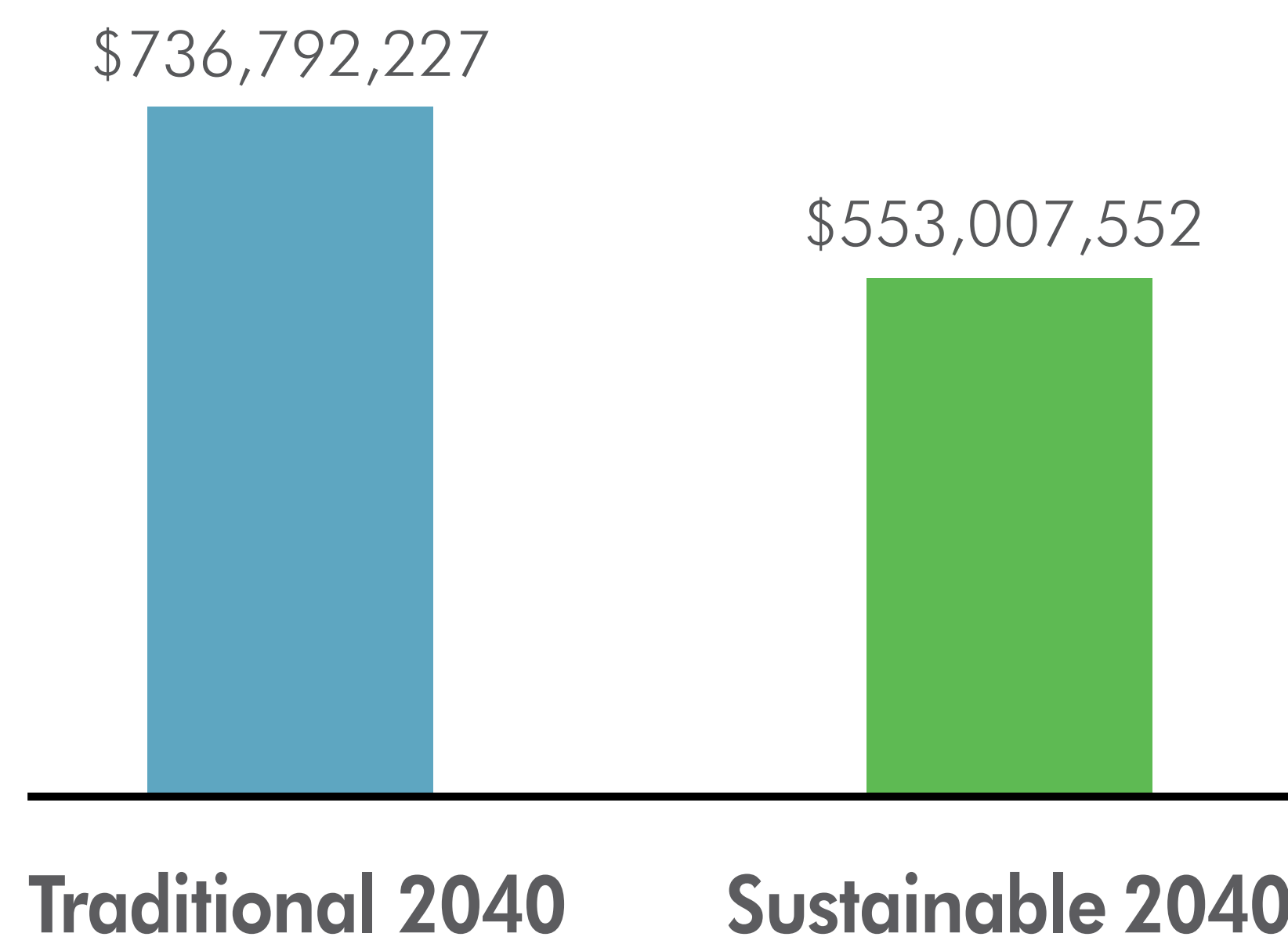
Housing Units Estimates



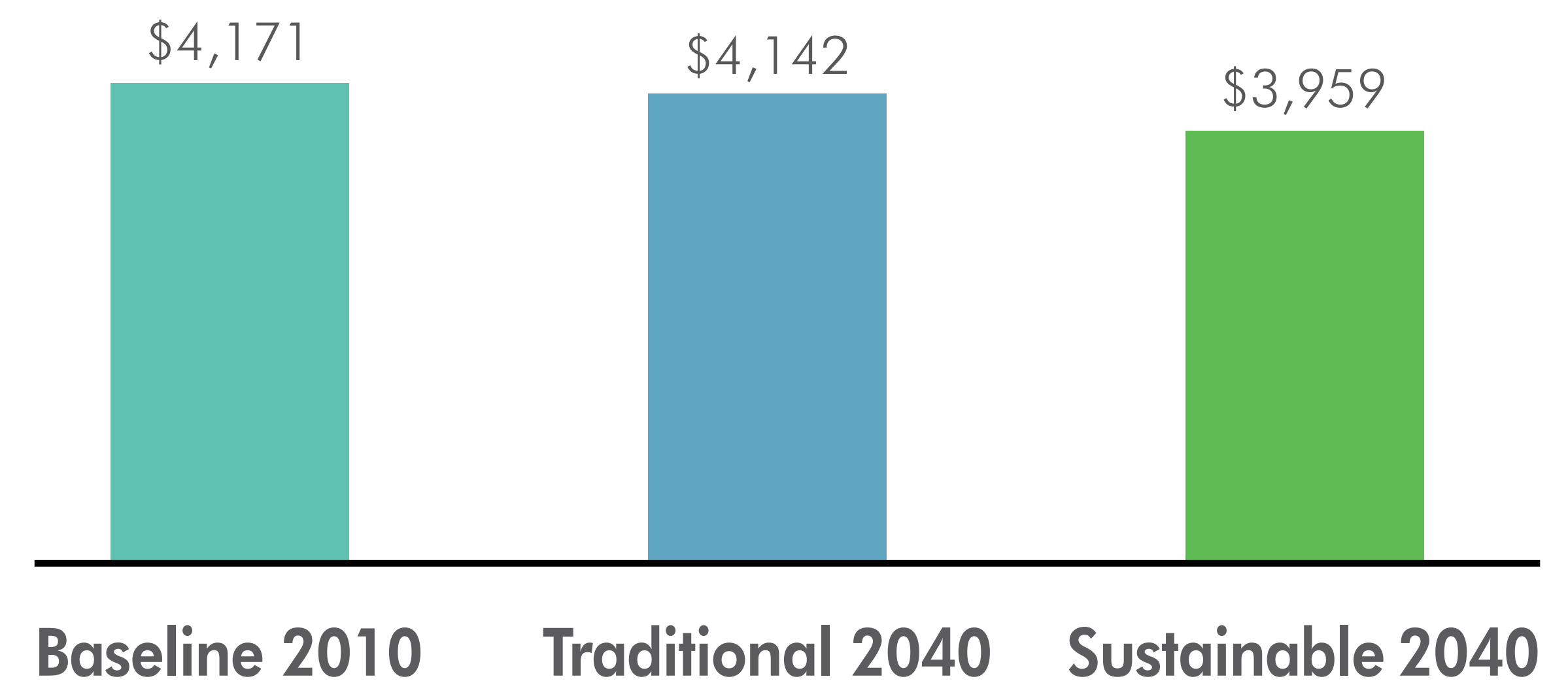
New Housing Units by Type



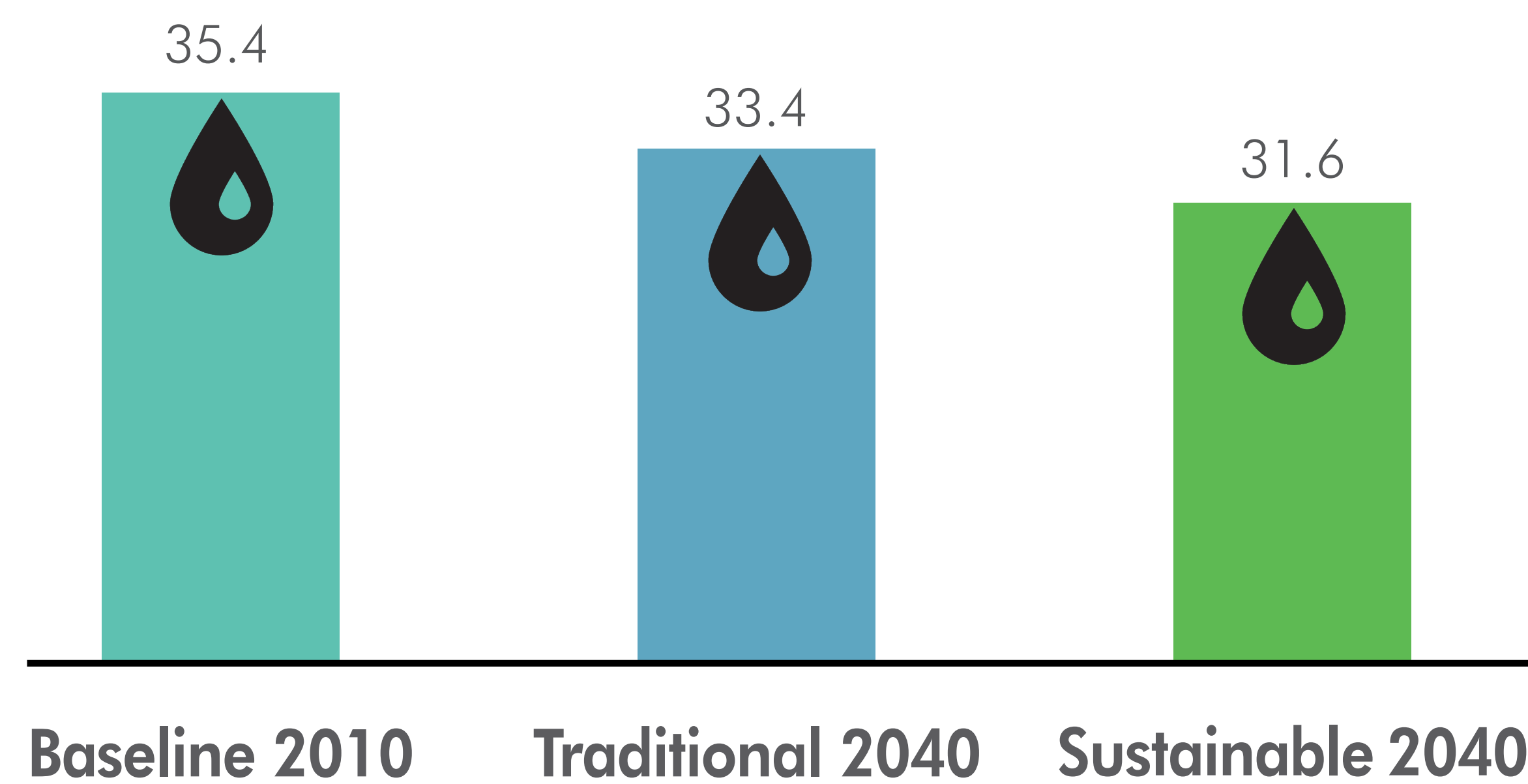
Local New Infrastructure Cost Estimate (2010-2040)



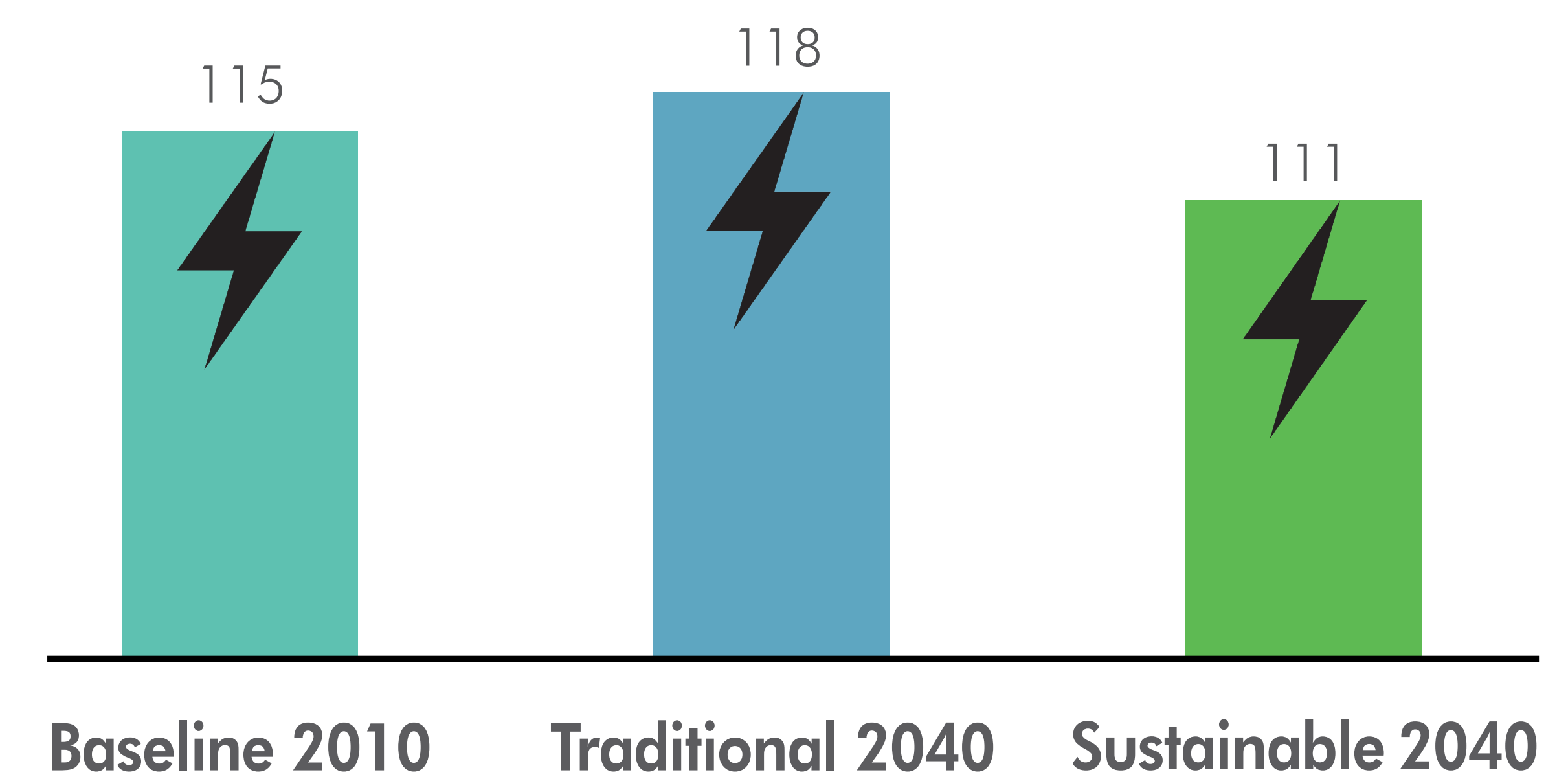
Annual Operating Cost of All Services (Per Resident & Per Employment)



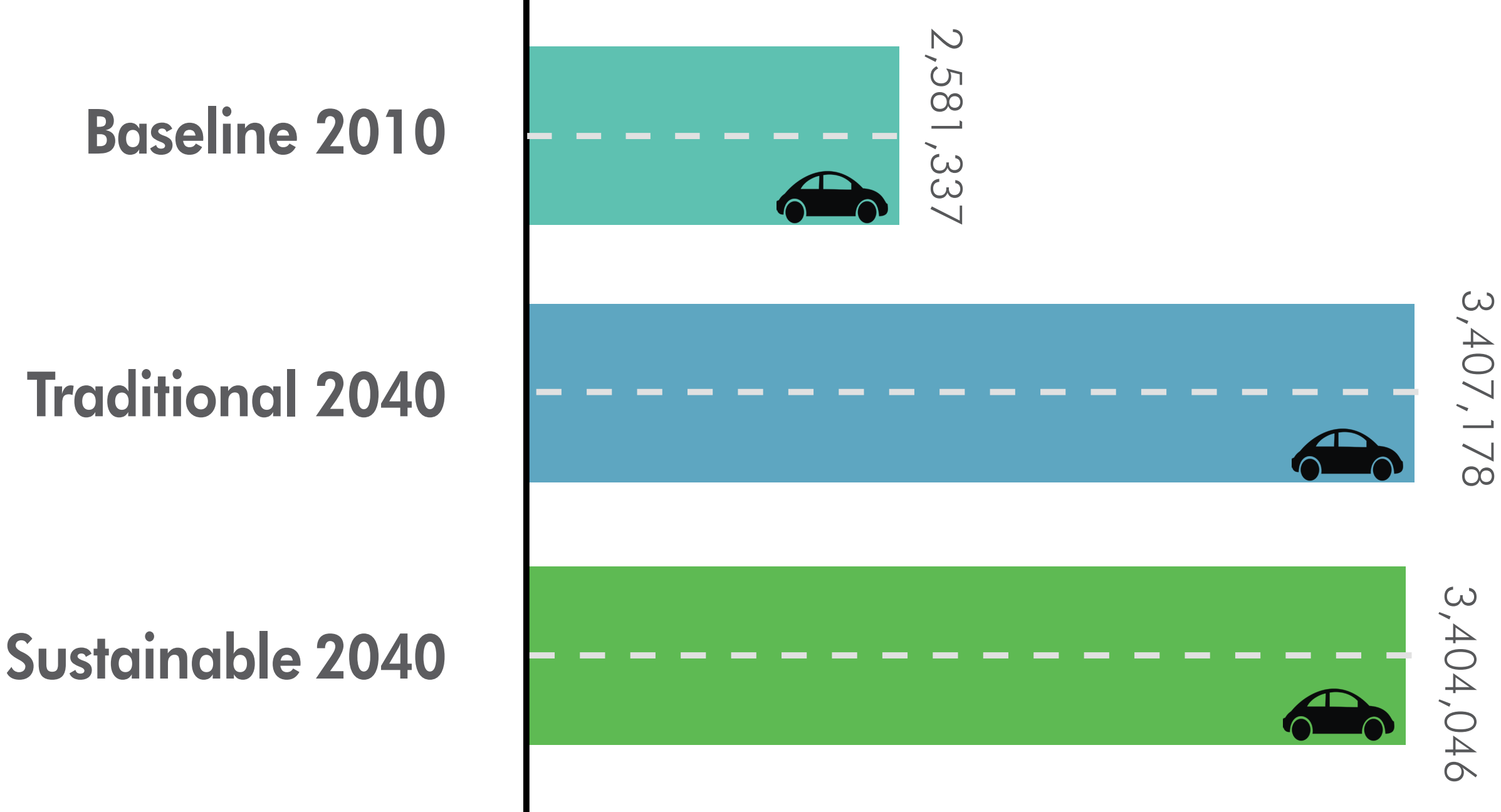
Daily Water Use in Gallons (Per Resident & Per Employment)



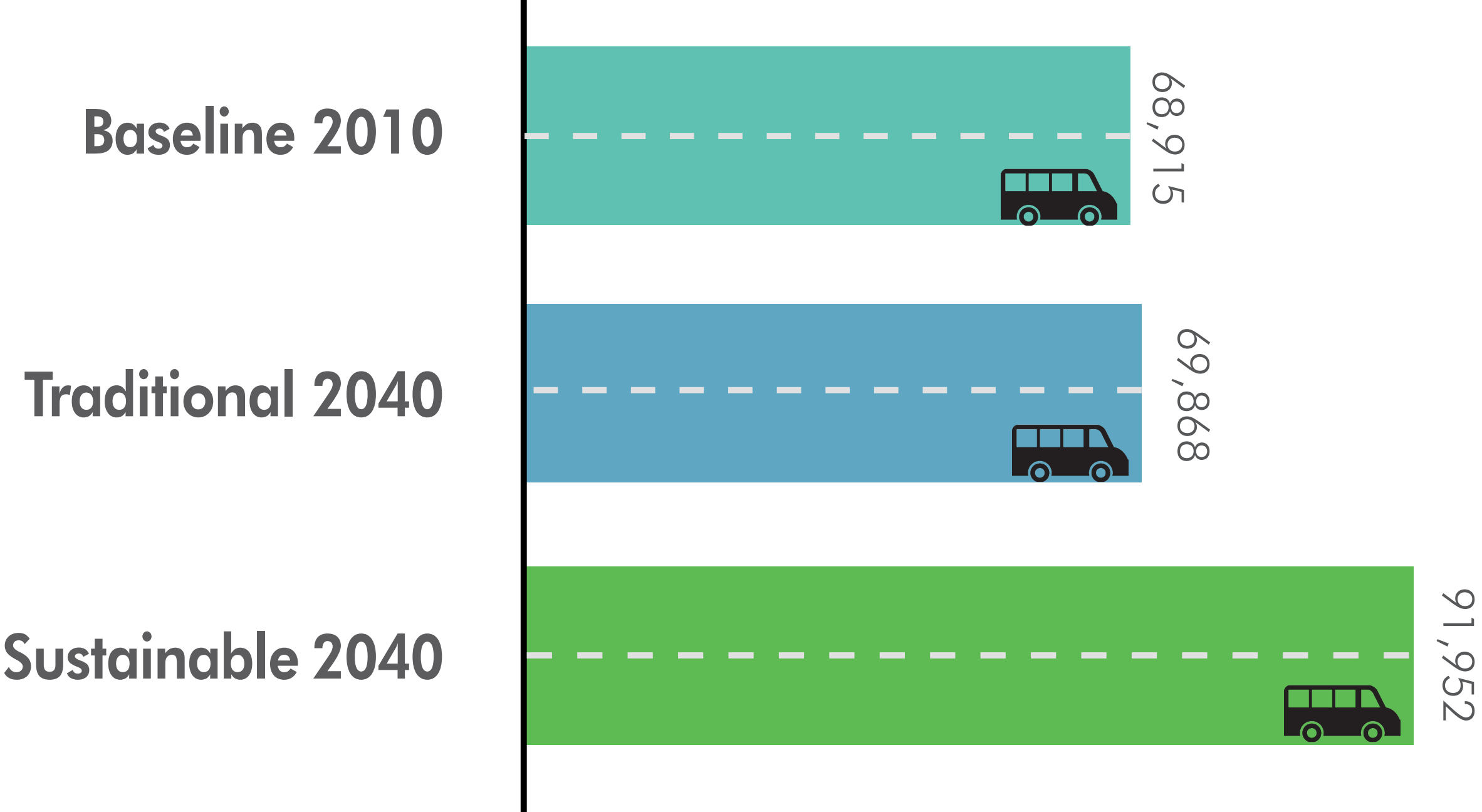
Annual Energy Use in MMBtu (Per Resident)



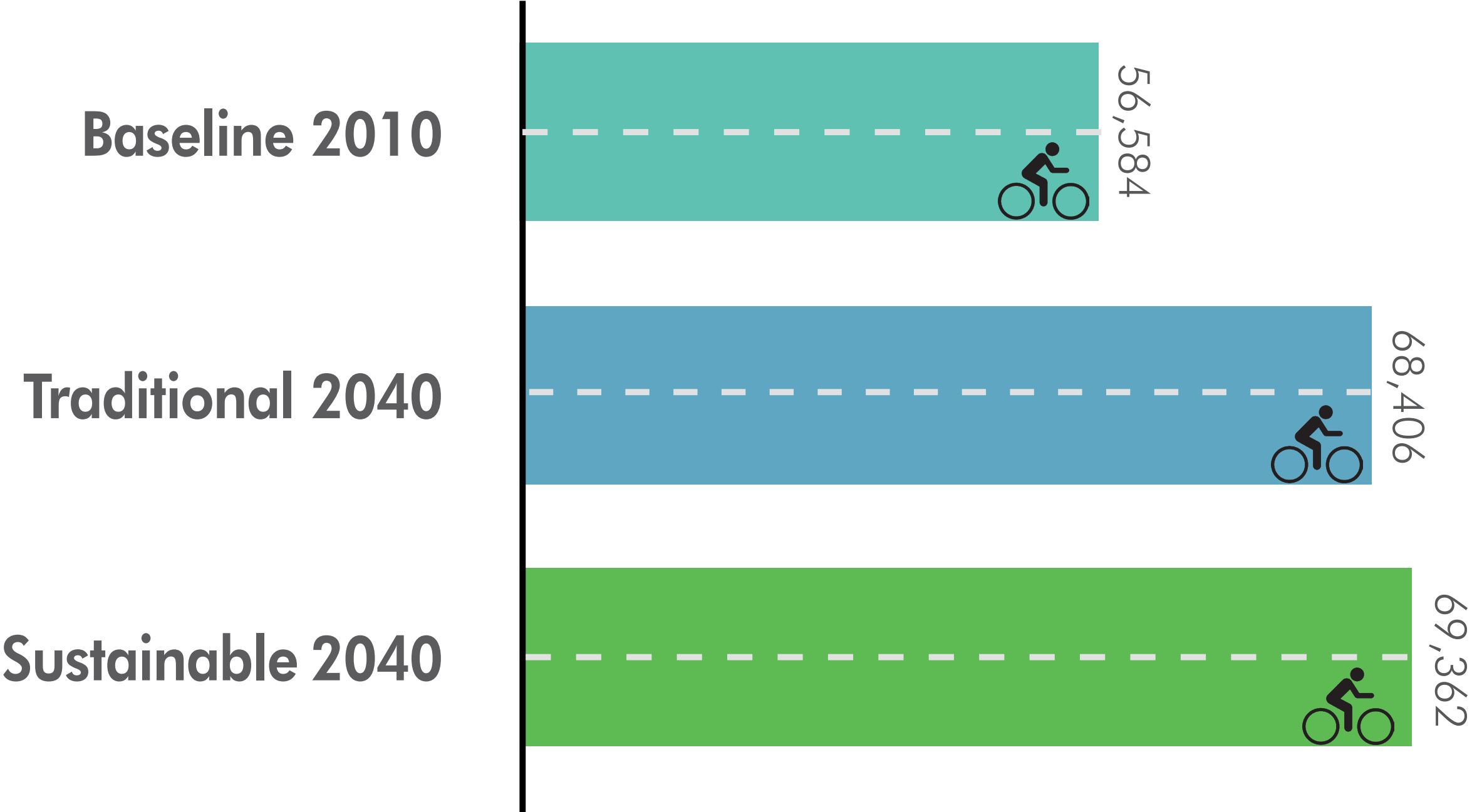
Driving Personal Miles Traveled Estimates



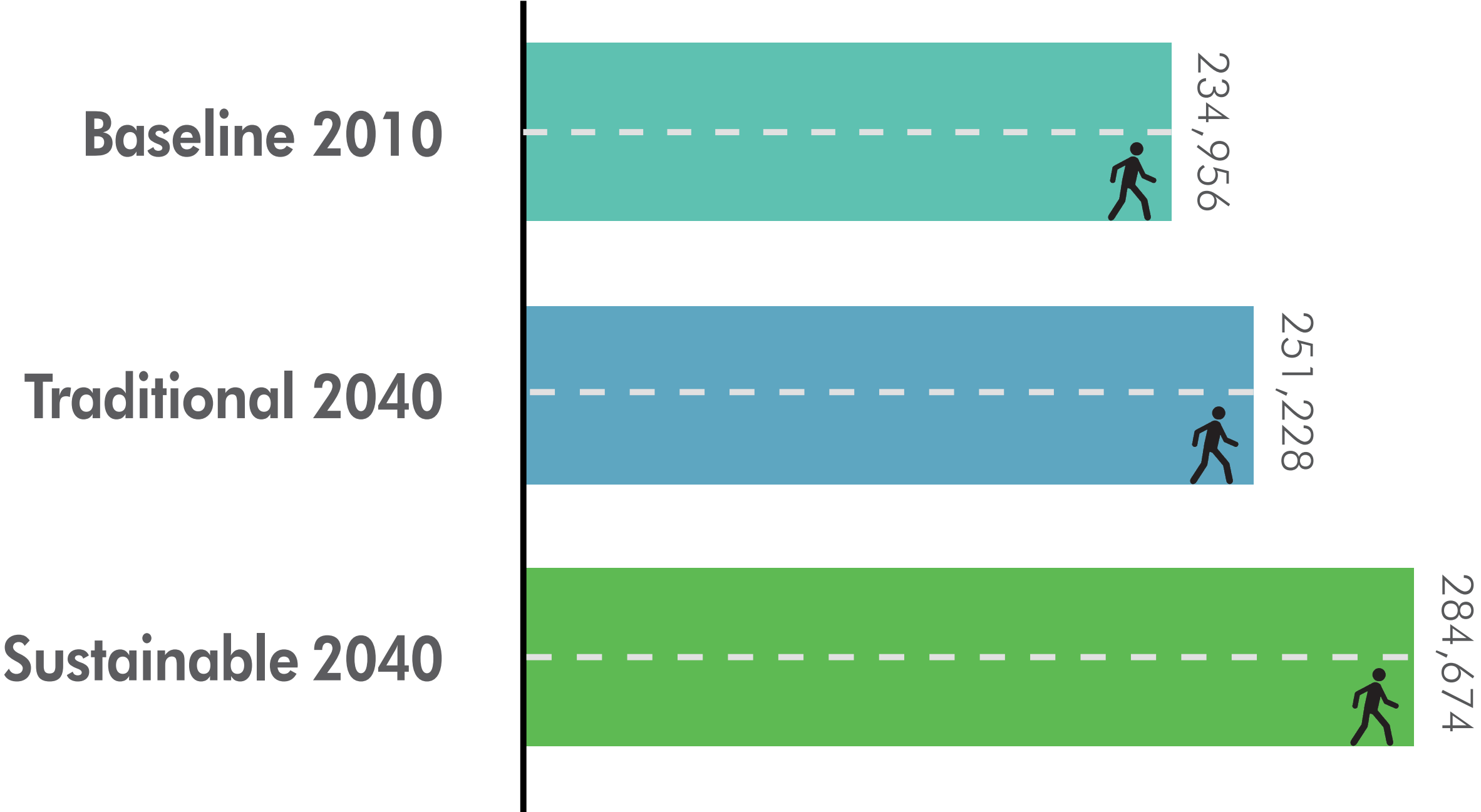
Transit Personal Miles Traveled Estimates



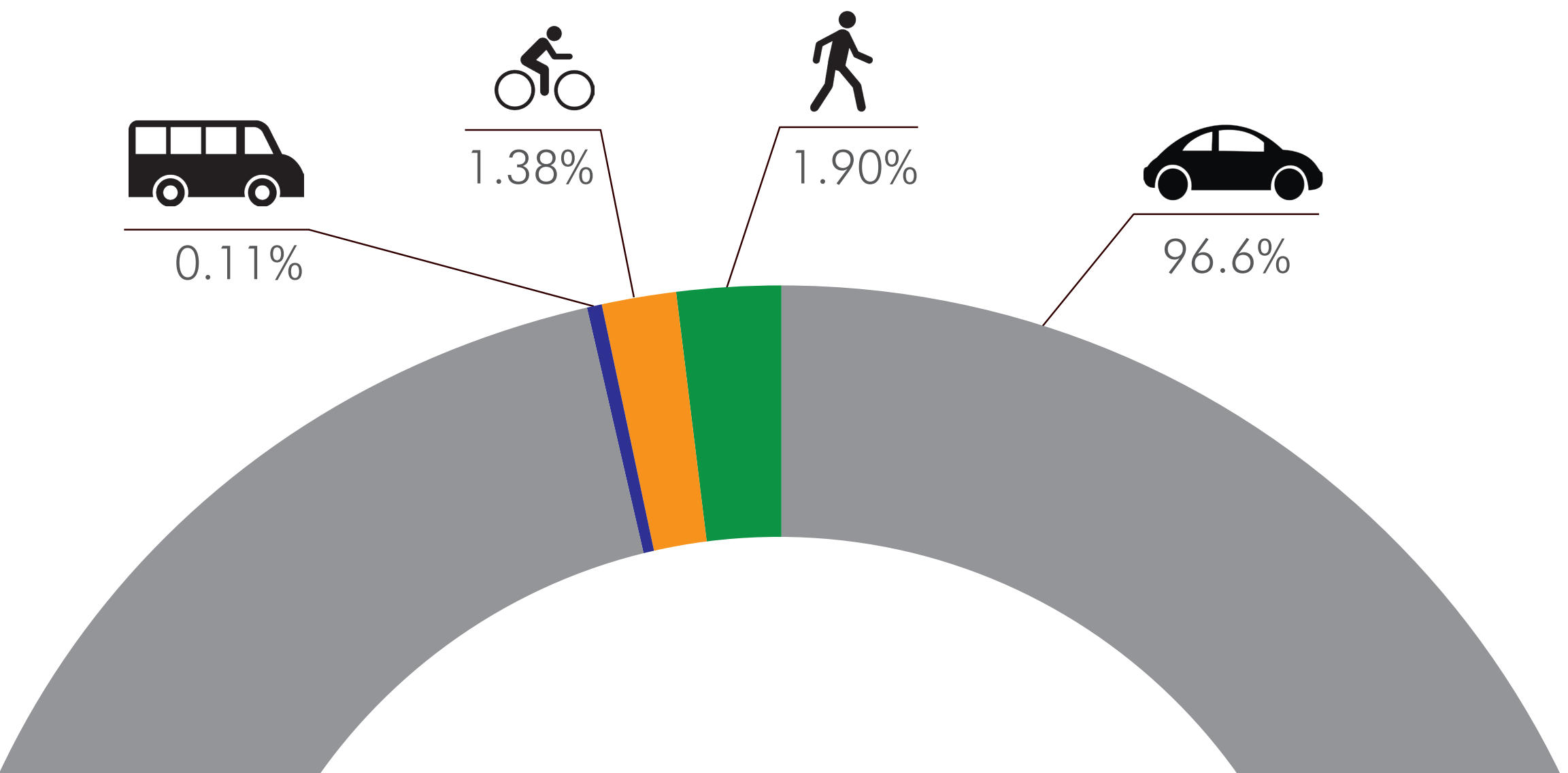
Biking Personal Miles Traveled Estimates



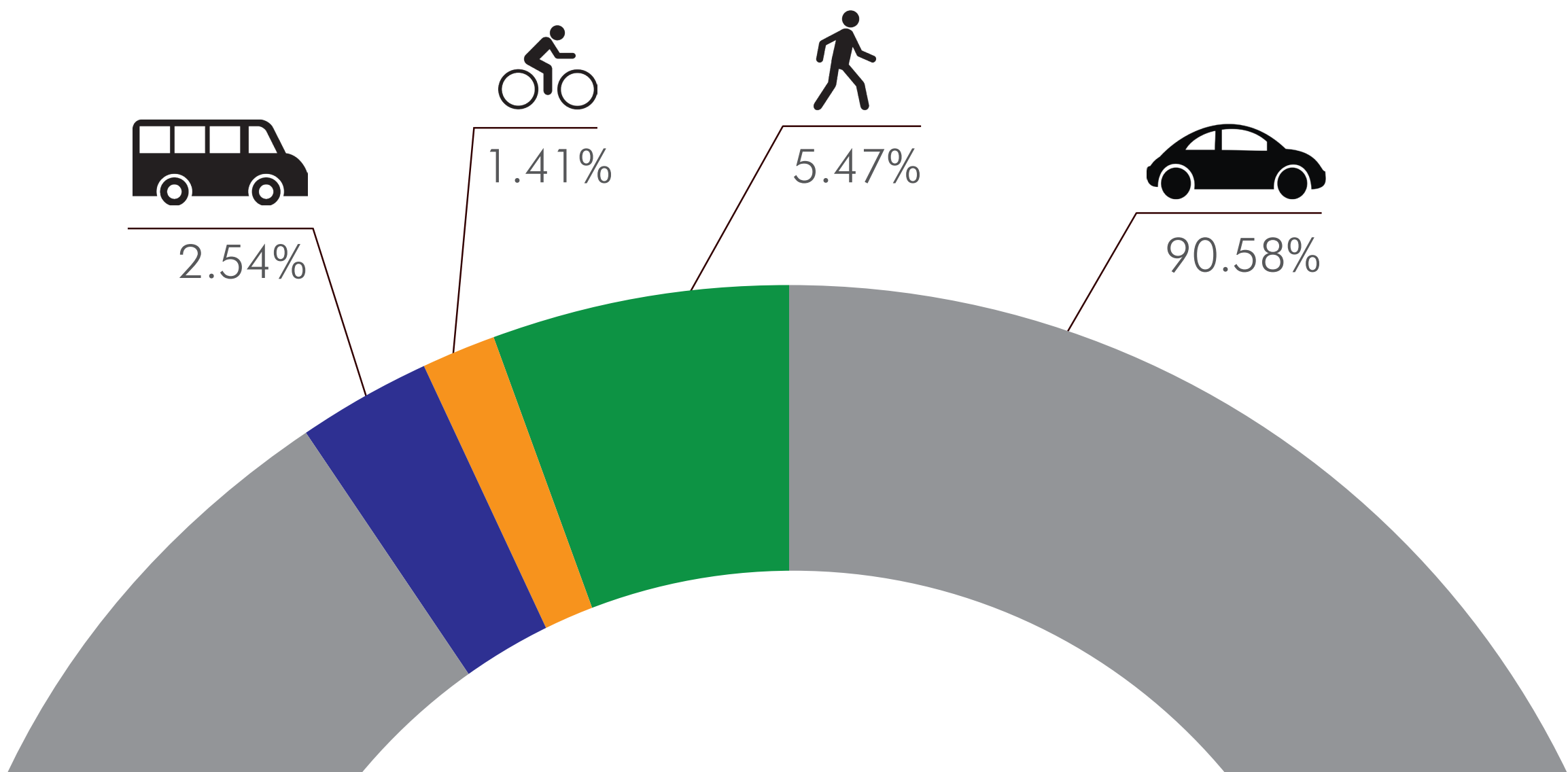
Walking Personal Miles Traveled Estimates

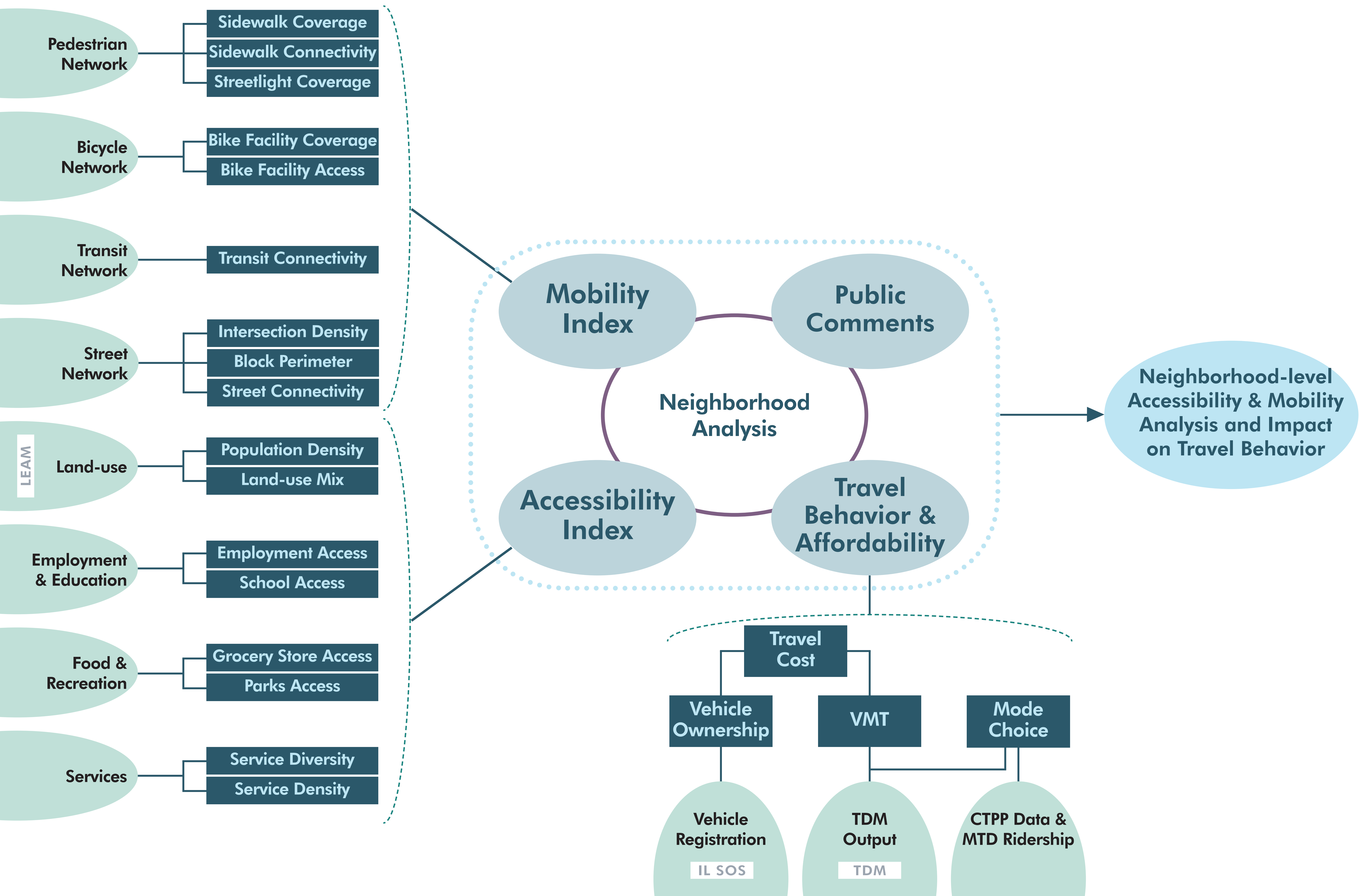


Increase in Personal Travel Miles by Mode
Traditional Development 2010-2040

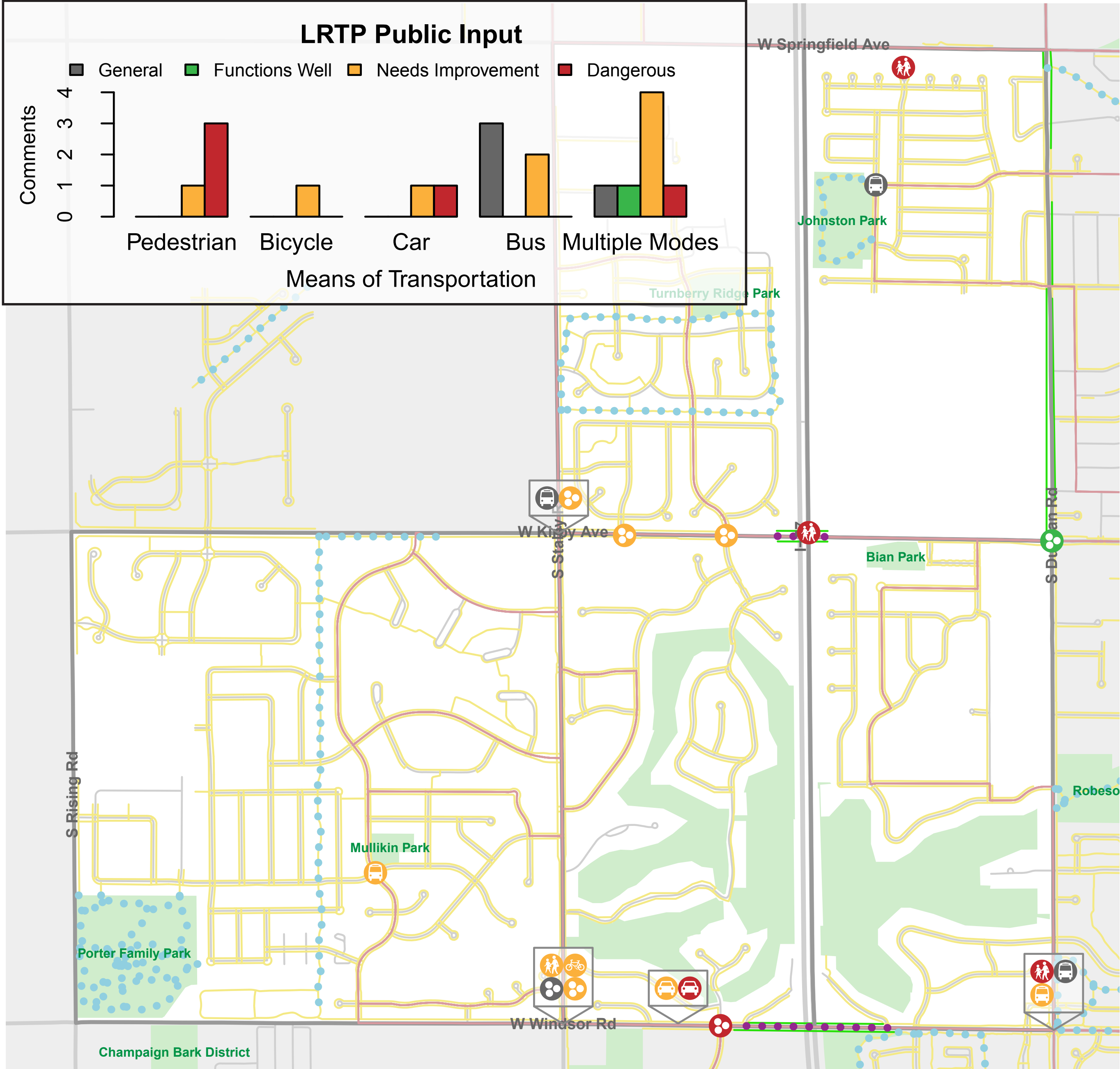


Increase in Personal Travel Miles by Mode
Sustainable Choices 2010-2040

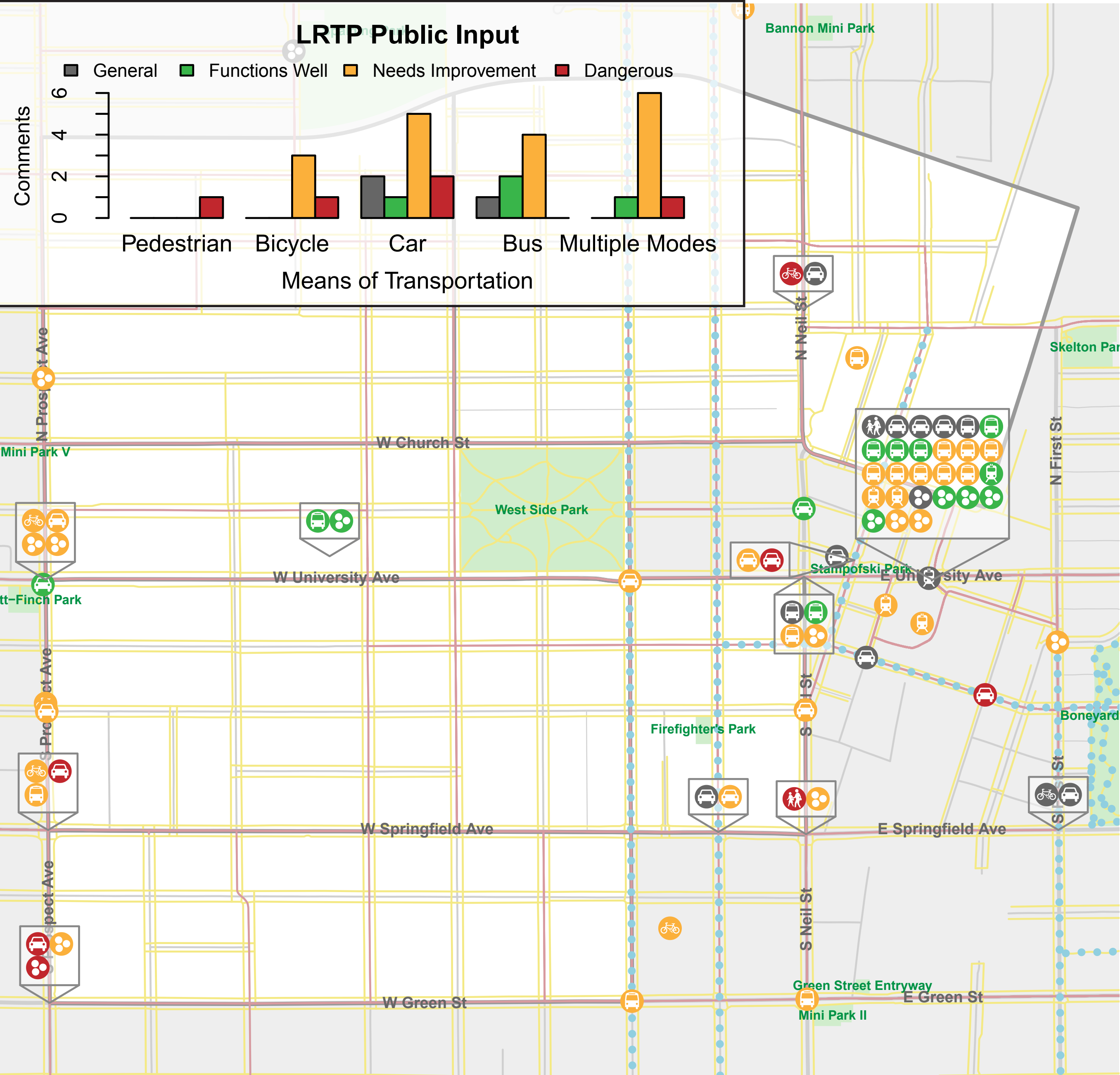




WEST KIRBY AVENUE: NEIGHBORHOOD MAP



CENTER CITY CHAMPAIGN SOUTHWEST: NEIGHBORHOOD MAP

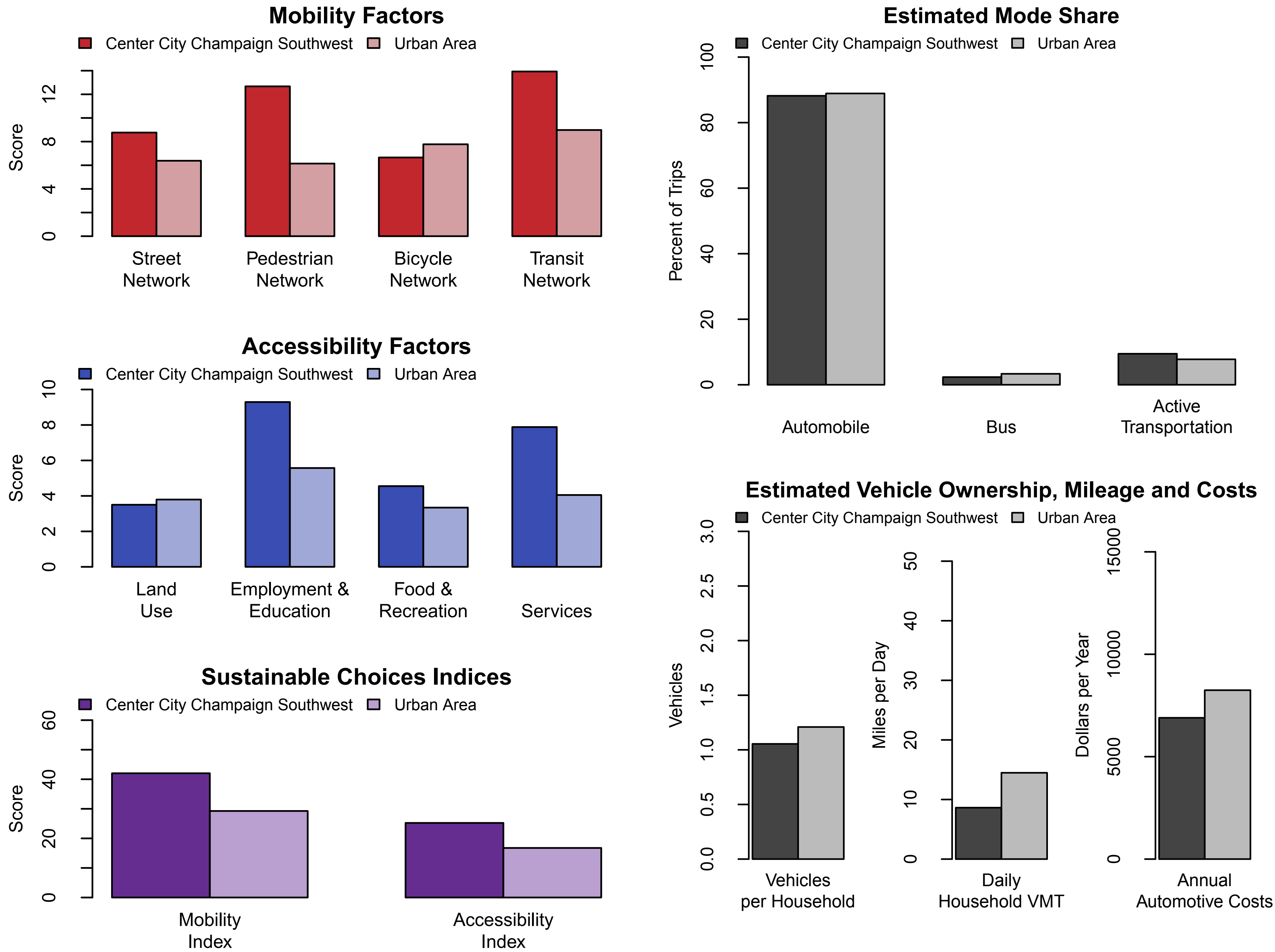


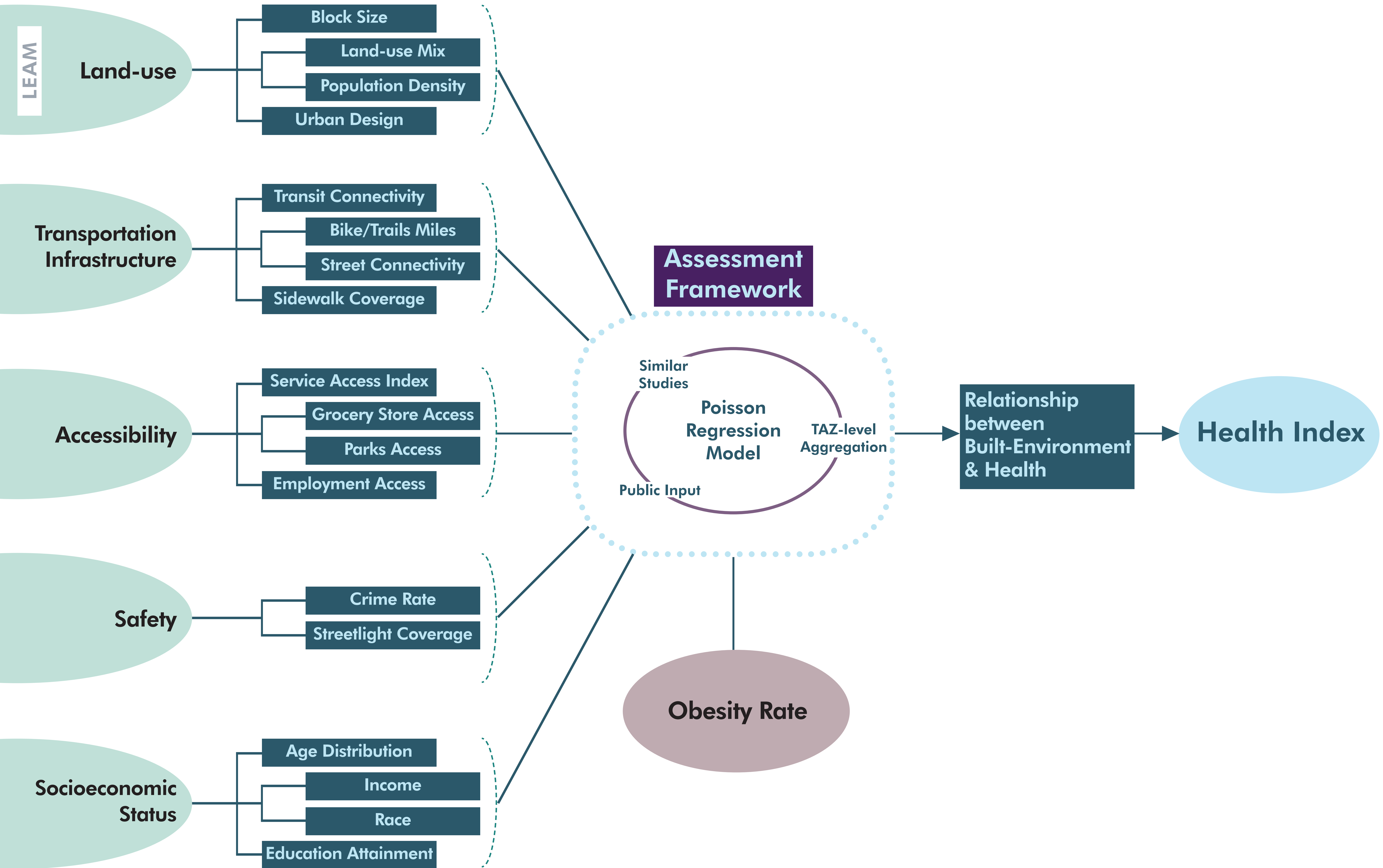
- Built Environment**
- Street
 - Existing Sidewalk
 - Proposed Sidewalk
 - Existing Bicycle Facility
 - Proposed Path or Trail
 - Bus Route
 - Parks and Recreation

- LRTP Public Input**
- Comment Mode*
- Pedestrian
 - Bicycle
 - Car
 - Bus
 - Train
 - Plane
 - Multiple Modes
- Comment Type*
- General
 - Functions Well
 - Needs Improvement
 - Dangerous



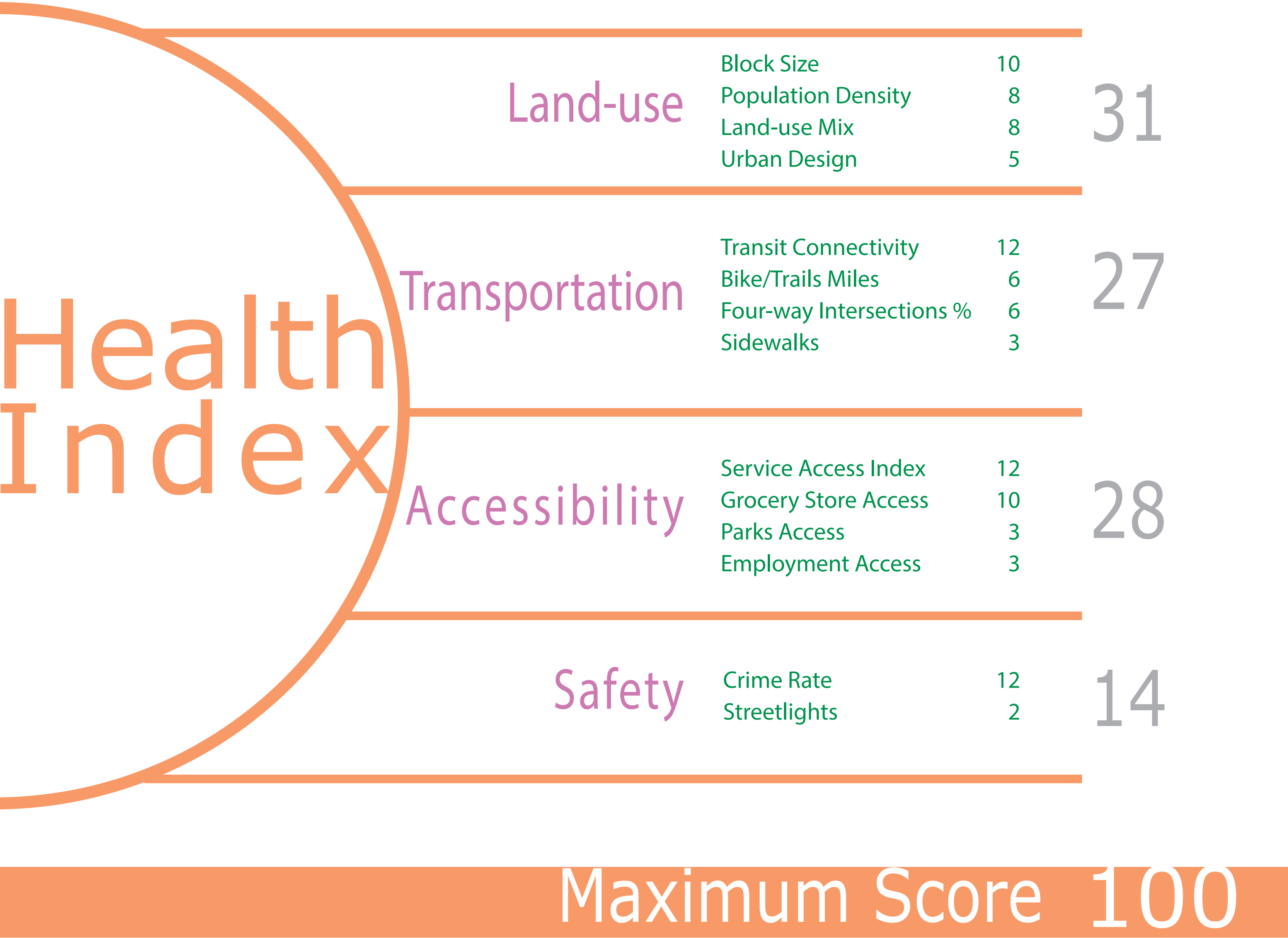
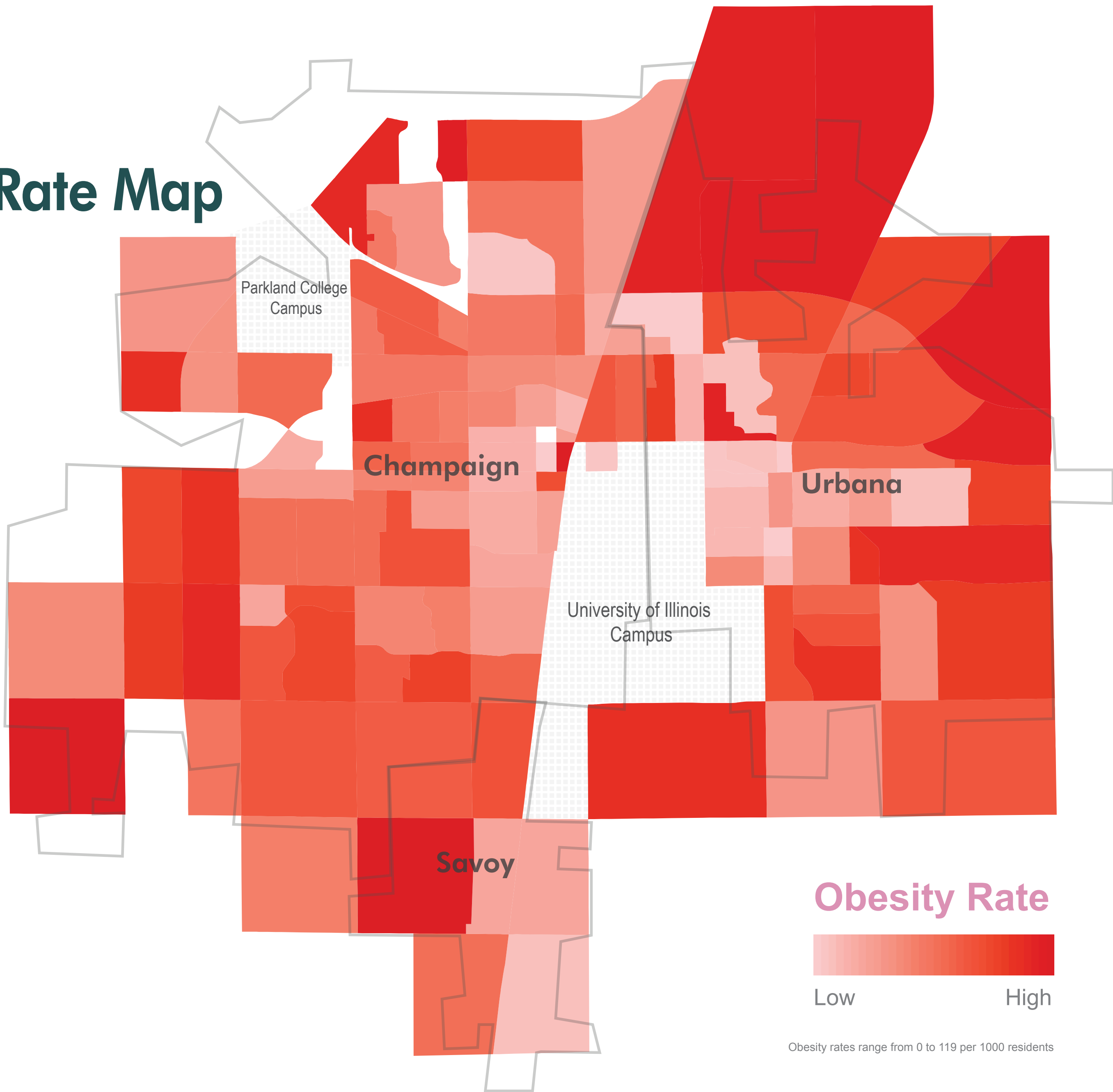
CENTER CITY CHAMPAIGN SOUTHWEST: ANALYSIS RESULTS



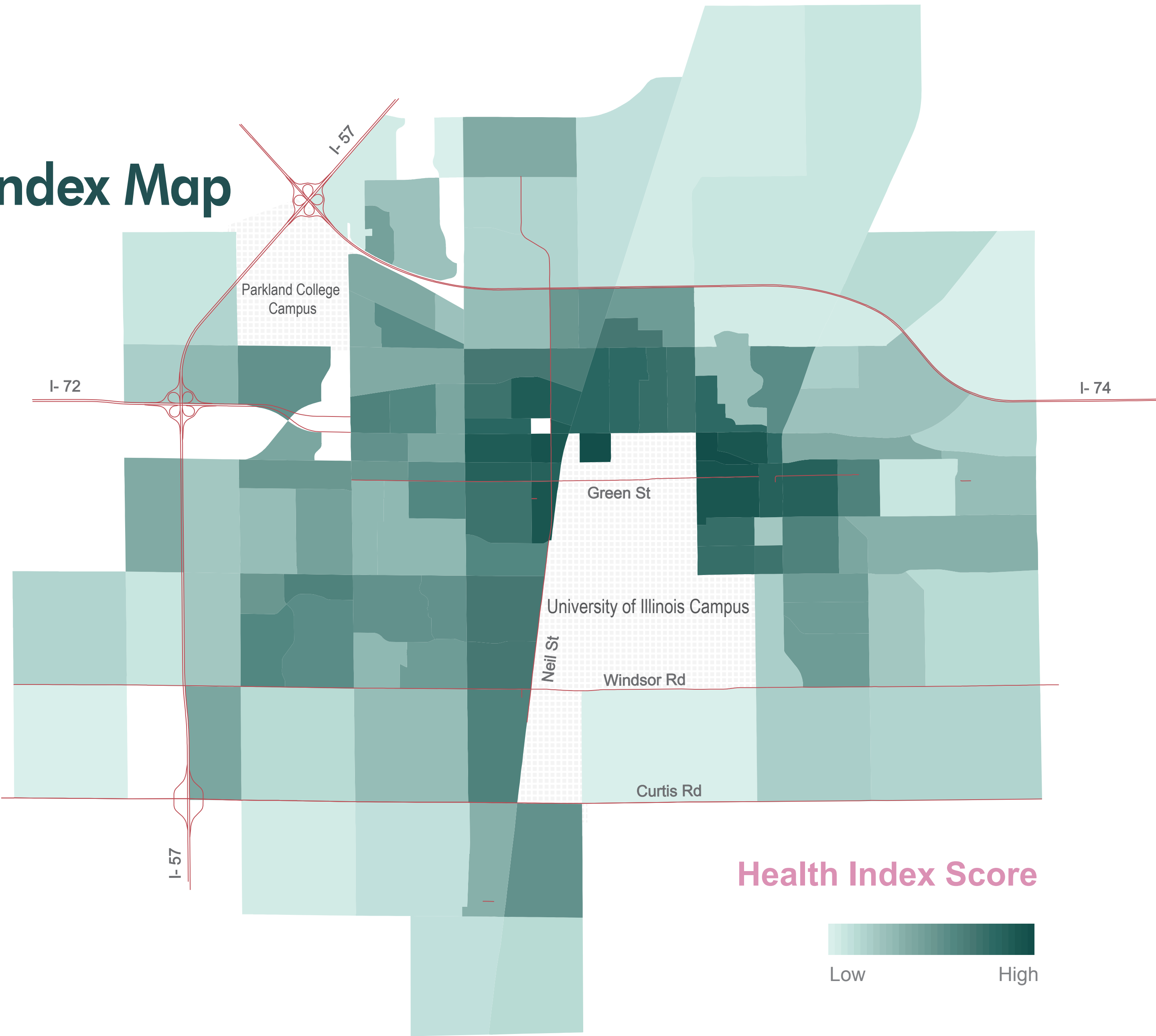


Variable	Correlation	Significance
Median Age	Positive	Very High
% Black Population	Positive	High
% Asian Population	Negative	High
% Under Bachelor's Degree	Positive	Very High
Per Capita Income	Positive	Very High
Transit Connectivity	Negative	Low
Bike Miles	Negative	Low
% Four-way Intersections	Negative	Very High
Population Density	Negative	High
Land Use Mix	Negative	Medium
Block Size	Positive	Medium
Grocery Stores Access	Negative	High
Parks Access	Negative	Medium
Service Access	Negative	Low
Employment Center Distance	Positive	Medium
Crime Rate	Positive	Very High

Obesity Rate Map

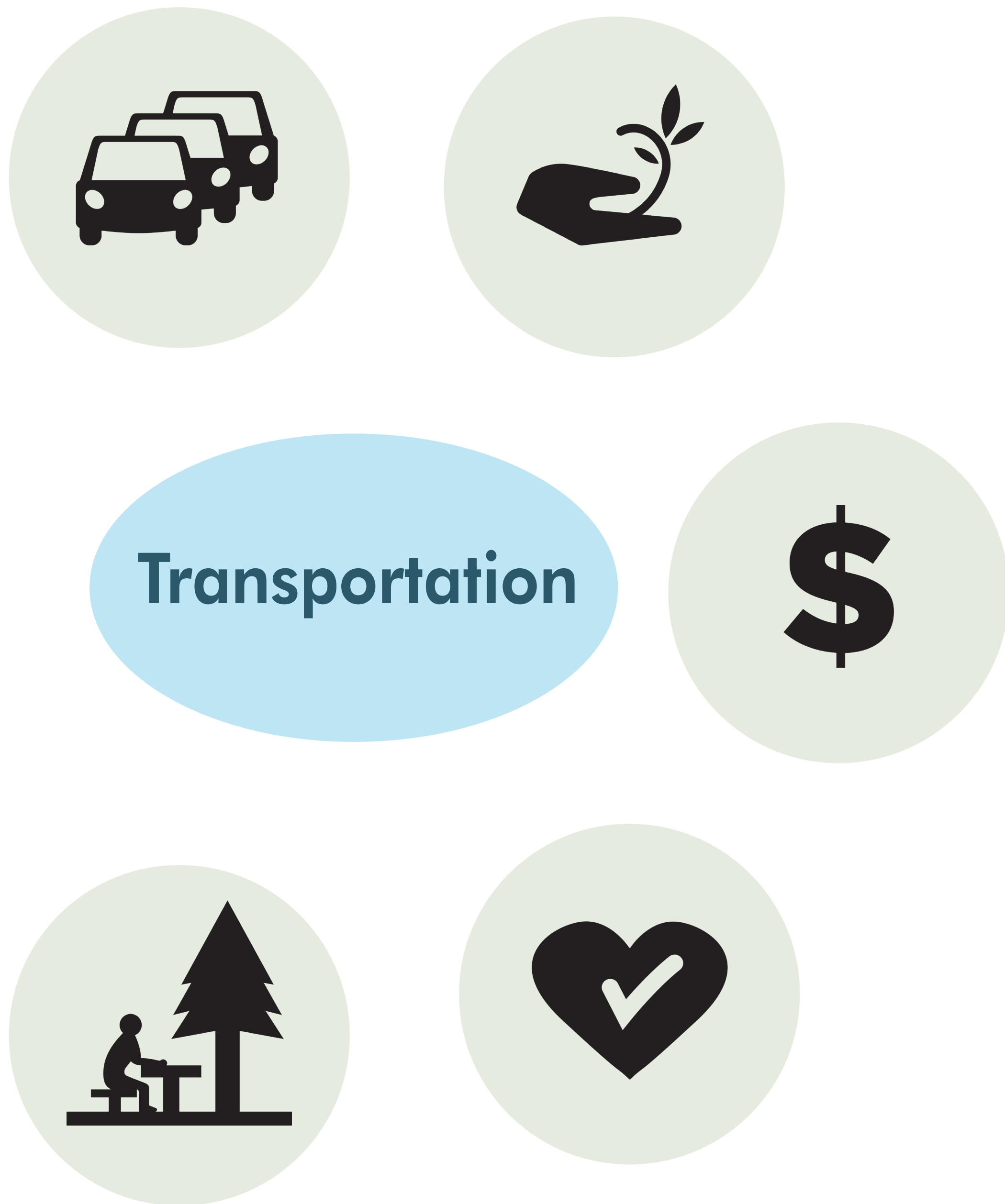


Health Index Map

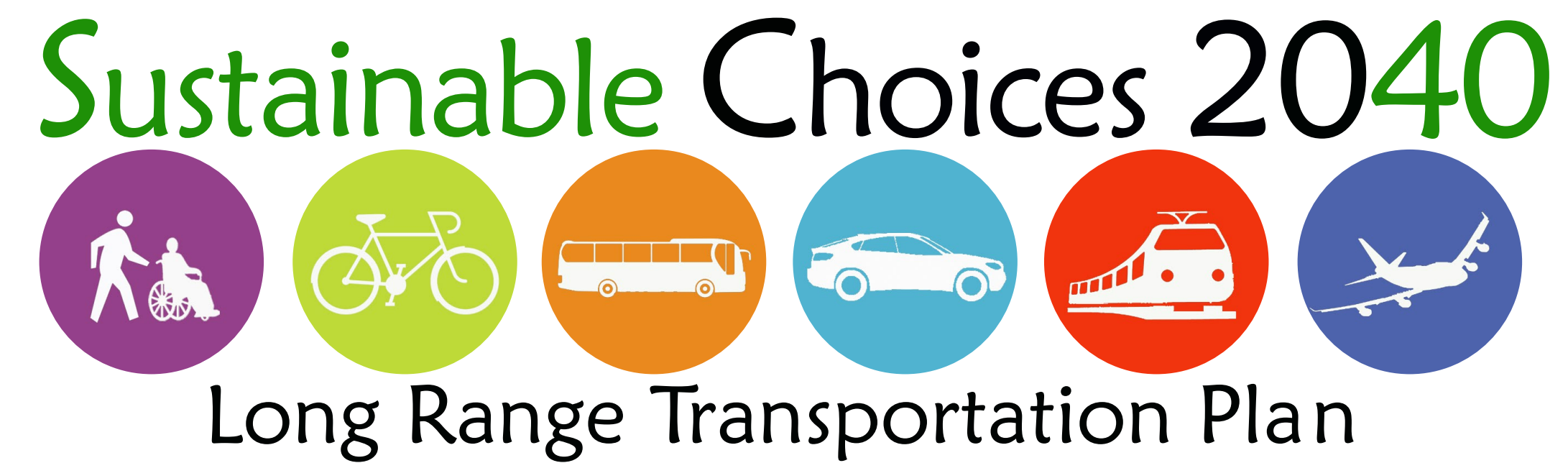


Where we are

Addressing multiple dimensions



Prioritizing active modes



Including people & organizations

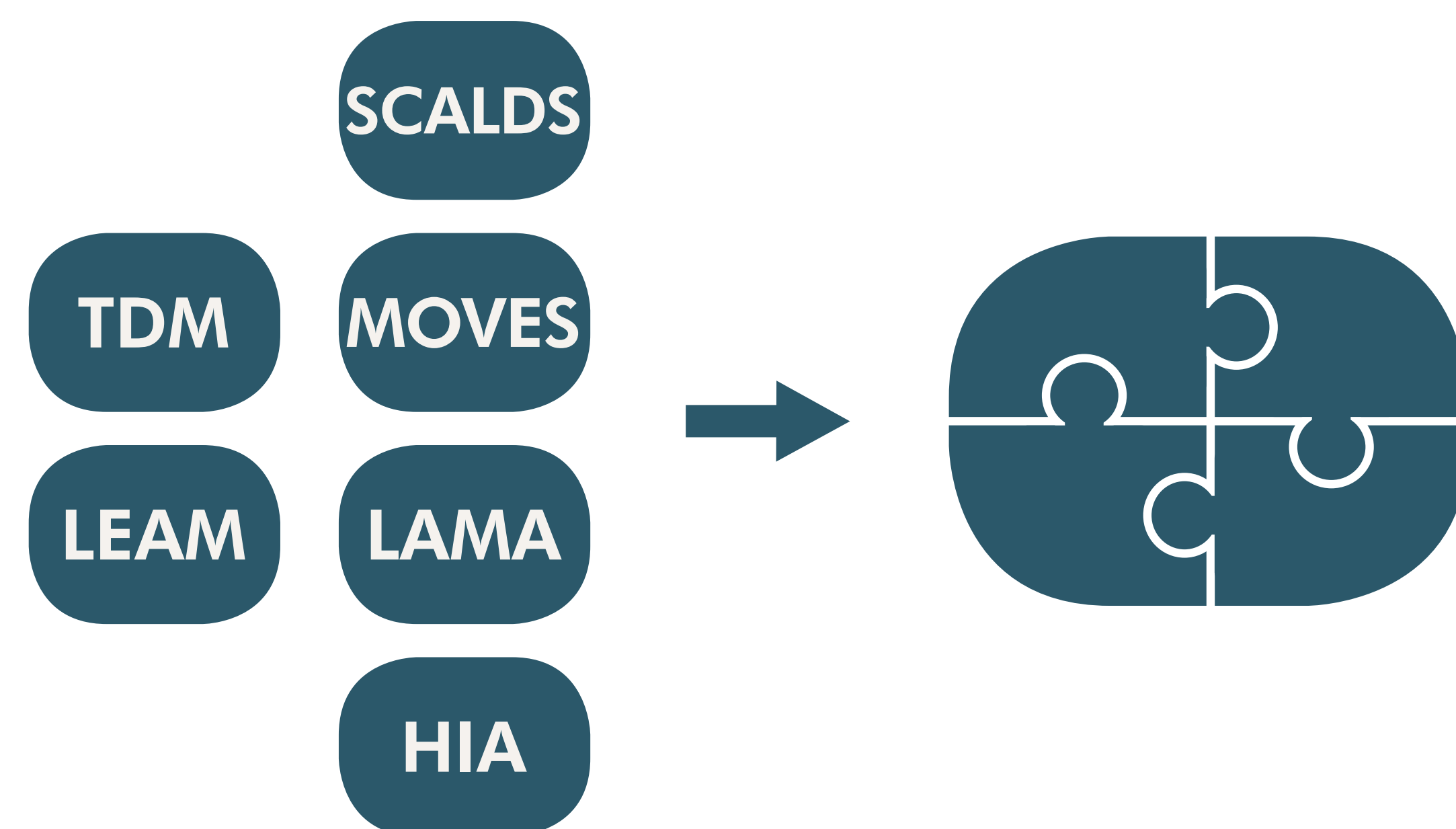


Where we want to be

Improving communication



Integrating the framework



Making the process interactive

