



# Data Sources for Transportation-Related Funding Applications

11.29.2023

AEG Chicago 22Q4 Mobility & Transportation Task Force

## 12-Month Goal

Contributions by the following task force members: Peter Kelly, Arthur Burton, Indraneel Bhandari, Gary Cuneen, Brian Daly, William Davis, Deborah Dynako, Jack Jordan, Jessica Lang, Ellen Partridge, Tomas Rodriguez, Lynn Sutton, Matthew Sweers, Christopher Townsend

## ***About***

This document was created by the Advanced Energy Group (AEG) Chicago 2022 Q4 Task Force on Mobility and Transportation. AEG convenes quarterly stakeholder meetings in key cities with focused leadership engagement from regulatory bodies, utilities, transmission operators, city, state and federal governments, large energy users, and energy solution providers to architect a more affordable, cleaner, and reliable energy future *today*. The goal of this document, and of the task force behind its creation, is to help organizations in underserved Chicago communities to find data that supports funding applications for clean mobility and transportation initiatives.

## ***1. Site Identification Data***

### 1.1 Real estate zoning of site

[City of Chicago Government zoning and land use map](#)

### 1.2 EJ community zone

a. From [Illinois Solar for All](#). Mapped [data](#) is available; communities can also [apply to self-designate](#) for EJ status under the program.

b. [EPA EJScreen](#)

### 1.3 R3 community status

[Interactive map](#) to check eligibility for R3 grant funding within IL

### 1.4 Existing charging infrastructure

[US DOE, Alternative Fuels Data Center](#)

### 1.5 EV penetration

[State of Illinois EV registration data](#)

### 1.6 Traffic data

a. [IDOT](#) travel statistics

b. [CMAP](#) traffic data

c. Illinois [Average Annual Daily Traffic](#) (for highway system - not local roads)

d. IDOT [Traffic Count Database System](#).

e. CDOT [traffic counts](#)

f. Private sites ex. ‘Replica’ and ‘StreetLight’

### 1.7 Justice40

a. [CEJST](#) (White House Council on Environmental Quality)

b. Argonne [EV Charging Justice 40 tool](#)

c. USDOT [Equitable Transportation Community \(ETC\) Explorer](#)

## ***2. Economic Benefit data***

### 2.1 Distance to job opportunities

a. Job availability ‘heat maps’: [US Bureau of Labor Statistics](#); [USEPA Smart Location Mapping](#)

b. [CTA’s Busiest Routes](#)

c. Distance ‘gradients’: CNT [AllTransit™ Gap Finder](#)

d. CNT Equitable Transit-Oriented Development (ETOD) [Calculator](#) & Maps

## 2.2 Job applicant pool

[Illinois Labor Market Information](#)

## 2.3 Job creation / skill training

[Greencorps Chicago](#)

## 2.4 Options to get to jobs

a. [Illinois Green Jobs Network](#)

b. [AEG Job Board](#)

## 2.5 Work or employer organized transportation opportunities

[Workplace Charging for Electric Vehicles](#)

## 2.6 Job Quality and Accessibility Index

[CMAP Industries in Context Analysis](#) - Clicking on the various boxes on the right side will provide data on industry “clusters” or categories, job quality, and local maps of job quality metrics and demographics

### 3. *Equity Benefit Data*

#### 3.1 Air pollution data

a. [EJScreen EPA tool](#)

b. [Climate and Economic Justice Screening Tool](#)

#### 3.2 Community health data (pollution impacts cancer/asthma/fetal development data)

a. [EJScreen EPA](#)

b. [CDC](#)

#### 3.3 Resident economic data

a. [American Community Survey](#)

b. CMAP [community data snapshots](#)

c. Census LEHD [On The Map](#)

#### 3.4 Travel distance

a. City of Chicago [Grocery Store Status Map](#)

b. [Commute Time map](#) by zip code for Chicago

#### 3.5 Road safety statistics

a. IDOT [fatal crash data](#), [safety tiers](#), and [Roadway Safety](#)

b. CDOT crash data (by [crash](#), [vehicle](#), [people](#))

#### 3.6 Transportation safety

a. IDOT [Transit Safety](#)

b. IDOT [Non-Motorized Transport](#)

#### 3.7 Local crime data

CPD [Citywide Crime Map](#)

#### 3.8 Access to employment and quality of jobs

a. [CMAP Industries in Context Analysis](#) - Clicking on the various boxes on the right side will provide data on industry “clusters” or categories, job quality, and local maps of job quality metrics and demographics

- b. Active Trans Issue Brief on “[Transportation inequities in access to employment](#)” – Provides arguments and source material
- 3.9 Uber/taxi usage data
  - City of Chicago [taxi trips](#) and [Transportation Network Provider data](#)
- 3.10 Food/shopping availability
  - GCFD [Community Data Map](#)
- 3.11 Walkability
  - CMAP [Walkability map](#)
- 3.12 Barriers to getting jobs based on transportation
  - CMAP [Transit and employment density in economically disconnected areas](#)
- 4. **Community Transportation Needs and Preference Data**
  - 4.1 Affordability issues and options (transportation on-demand options)
    - [CNT report](#)
  - 4.2 Cycling infrastructure availability – CMAP / Active Transportation Alliance / County Gov
    - a. City [Bike Route map](#)
    - b. CDOT [Bikeway Installations](#)
    - c. Center for Neighborhood Technology [Bike Route Map](#)
    - d. CMAP [Bikeway inventory system](#) (collection of local bike plans) – Scroll down and under “I want to...” on the right side, click “Open in ArcGIS Online”. After the next page loads, click “Open in Map Viewer” and wait for the layers to load to the map. This may take a few moments.
  - 4.3 Community likely usage of eBikes
    - Divvy ride history [data](#) and City of Chicago [visualizations](#)
  - 4.4 Transit gaps
    - a. [Gap Finder](#)
    - b. [TransitCenter](#) (only to 2018, no post-COVID data)
  - 4.5 Rapid transit participation (impact of EV on RT)
    - [CTA ridership](#)
  - 4.6 Rapid transit access
    - [Transit Availability Index](#) (from 2017)
  - 4.7 GHG Emissions
    - CMAP [Greenhouse Gas Emissions Inventory](#) - Chicago region GHG inventory with data available by sector ([transportation](#)) and/or by [municipality or Chicago Community area](#)

## Disclaimer

Advanced Energy Group is not responsible for the upkeep of the provided data sources. All links are verified as of 11/2023.