**Off-Model Calculator Inputs**

Series 14 data needed for 2016 (base year), 2020, 2025, 2035, 2050 (scenario years)

EMFAC SB375 CO2 Emission factors by year

Bikeshare  - Regional model data for each scenario year and MGRA:

* total households
* total population
* adult population (pop 18-65 years old)
* MGRA area (acres)
* household density (MGRA households / MGRA total area)
* total population density (MGRA population / MGRA total area)
* bike lane miles (Class 1, Class 2 and Class3 bikeway segments)

Carshare – Regional model data for each scenario year and MGRA:

* total households
* total population
* adult population (pop 18-65 years old)
* MGRA area (acres)
* household density (MGRA households / MGRA total area)
* total population density (MGRA population / MGRA total area)
* total employment
* college student enrollment

Vanpool:

* For each scenario year and MSA, jobs by industry category (SANDAG ABM classification)
* Travel times AM Peak and Midday periods medium VOT - For each scenario year:
  + TAZ-to-TAZ travel time, Drive alone toll [STM\_2016.CSV] (mf461, mf587)
  + TAZ-to-TAZ travel time, Shared-ride 2P HOV toll [HTM\_2016.CSV] (mf473, mf594)

Microtransit -- For each scenario year:

* Disaggregate trip list (indivTripData\_3.csv)
* TAP to TAP Commuter rail transit skim, AM Peak, (total in-vehicle time (mf1036), first wait time (mf1027), transfer wait time (mf1028), fare (mf1030), transfer walk time(mf1033))
* MGRA to TAP walk connectors (walkMgraTapEquivMinutes.csv)
* TAZ-to-TAZ travel time, drive alone toll by medium VOT [STM\_2016.CSV], AM Peak (mf461)
* TAZ-to-TAZ travel distance, drive alone toll by medium VOT [dist\_2016.CSV], AM Peak (mf462)
* Total employment by MGRA
* Total population by MGRA

Pooled Rides – For each scenario year:

* Disaggregate trip list (indivTripData\_3.csv)
* Auto ownership model result (aoResults.csv)
* TAZ-to-TAZ travel time, Drive alone toll by medium VOT [STM\_2016.CSV], AM Peak (mf461) and Midday (mf587)
* TAZ-to-TAZ travel time, Shared-ride 2P HOV toll by medium VOT [HTM\_2016.CSV], AM Peak (mf473) and Midday (mf594)
* TAZ-to-TAZ travel distance, Drive alone toll by medium VOT [dist\_2016.CSV], AM Peak (mf462) and Midday (mf588)