

Guide to PPA Map Data Layers

This table provides a summary of the data layers visualized in the PPA tool (Step 1- Explore Data Layers) and their relationship to the performance outcomes measured through the tool’s output.

Layer Name(s)	Description	Relevant Performance Outcome(s)	Project Supports Outcome Better if it...
VMT per Capita 2016	Vehicle-miles traveled per capita	Reduce VMT	is in a low-VMT area
STAA Truck Routes	State Transportation Assistance Act designated truck routes	Improve Freight Movement	is on or connects freight routes
Bikeways	Existing class 2 bike lanes and class 1 bike paths	Promote Multimodal travel	is on or connects existing bike facilities
Environmental Justice (EJ) Areas	Areas with high shares of persons who belong to an ethnic/racial minority, are low income, or have limited English proficiency.	Increase Social Equity	has a higher share of people living near it within an EJ area
Collisions	Locations of collisions involving an injury or fatality	Improve Safety	has more collisions per 100 million VMT than community type average
Transit Service Density (Stops per Day)	Heat map of frequency of transit vehicle stops occurring in a typical weekday.	Promote Multimodal travel	has more transit stops per acre than community type average
Community Types	Based on 2020 MTP community types, but with more categories to enable better comparison of projects in similar built environments.	Various	No effect. Used to compare projects that are within similar built environments.
Land Use 2016 (Dwelling Units + Jobs)	Total jobs and dwelling units in 2016	Reduce VMT	has more dwelling units and jobs near it
Job and Dwelling Unit Growth (2016 to 2040)	Increase in combined total of jobs + dwelling units between 2016 and 2040	Reduce VMT, Reduce CVMT	has more growth in jobs and dwelling units nearby
Industrial Jobs 2016	Total jobs in industrial sectors	Improve Freight Movement	has more industrial jobs near it
Land Use Diversity Index, 2016	SACOG land use diversity index	Reduce VMT	is in an area with a higher index value (max value = 1)

Layer Name(s)	Description	Relevant Performance Outcome(s)	Project Supports Outcome Better if it...
Natural Resources, 2016	Forest and agricultural land	Promote Economic Prosperity; Preserve Natural Resources	is in an agricultural or forestland area that does not urbanize within 2020 MTP horizon
Accessibility layers	Count of destinations accessible from each block group within a given travel time for different modes	Economic Prosperity; Reduce VMT; Use Existing Resources	has more jobs, schools, and services accessible through it than its community type average
Average Speed (Slowest 4 Hours of the Day)	Average vehicle speed during the most congested 4 hours of a typical weekday in 2018	Reduce Congestion	is on a road with slower congested vehicle speeds, i.e. responds to an existing congestion need
Average Hours/Day in Congested Conditions	Number of hours on a typical weekday during which the actual travel speed is less than 60 percent of the free-flow speed	Reduce Congestion	is on a road that is congested during more hours of the day, i.e., responds to an existing congestion need
Reliability Ratio	Measures how consistent travel times are during indicated period. Higher number means segment is less reliable.	Reduce Congestion	is on a road with a higher reliability ratio, i.e., improves a road with poor travel time reliability