

TRPA Project Impact Assessment Tool User Guidelines

Purpose

The tool provides initial screening for all project types and more detailed analysis for residential, tourist accommodation unit, and public service projects. All non-screened commercial, recreation, and other projects will need to complete a more detailed transportation analysis.

How to Use the Tool

1. Go to trpa.shinyapps.io/PIA_Tool/
2. Read the disclaimer and instructions upon the website opening.
3. Using the map, zoom into your project area and click on the map to identify your project site location. You may utilize the GIS layers found on the top right of the screen to better understand the characteristics of your project location.
4. From the panel on the far left of the screen, select your project type from the dropdown “Select Project Type”.
5. Below the project type dropdown, enter the number of units for your project.
6. **** Mention protocol for redevelopment and mixed use projects ****
7. Observe the summary data in the boxes below the map.
8. If you plan to incorporate mitigations, select the available mitigation check boxes under “Select Mitigations”
9. Once you are finished entering your project data per the instructions above and you have reviewed the input data for accuracy, click the “Export to PDF” button to export your project analysis for incorporation into your TRPA permit packet.

Tool Data

Residential VMT – TRPA travel demand model

Trip lengths – TRPA travel demand model

Trip generation (non-residential projects) – ITE

Map GIS Layers

- Zone Average Residential VMT

Tool Calculations

Residential

Project VMT = Zone VMT Per Resident * Persons per Household * Number of Proposed Units

Tool Components

Mitigations – provide all of the research and data associated with the mitigations.

Additional Information

The full model code can be found on github at github.com/trpa-reid/pia_tool_test