

FREQUENTLY ASKED QUESTIONS

PARKING GENERATION MANUAL CONTENT

What are the components of *Parking Generation Manual*, 6th Edition?

Parking Generation Manual, 6th Edition is available through ITEParkGen—a web-based app that allows electronic access to the entire parking generation dataset with numerous filtering capabilities including site setting (i.e., rural, suburban, urban), geography, age of data, and development size. ITEParkGen also provides access to individual PDF files that contain a detailed description the land uses contained in *Parking Generation Manual* (PGM).

Also included in PGM is a desk reference that provides an introduction to the importance of parking, describes general content and format of the manual, identifies significant changes from the previous edition, provides a glossary of terms, and describes the sources and content of the parking generation database.

The PGM appendices include a list of all PGM data sources, an index of the parking demand plots and information on how to collect parking demand data.

A hard copy version of PGM, 6th Edition is also available. The hard copy version also includes the desk reference and appendix material.

Does *Parking Generation Manual*, 6th Edition, contain a significant amount of new data?

The expansion of this resource and the enhancements to its content are the result of a very successful data collection effort. The update to this edition adds study site data across 63 land use codes. The database was also refined to ensure relevancy of its contents by removing all data prior to the year 1990. The addition of new data, elimination of older data, and re-examination of existing data resulted in several changes to land use codes, land use subcategories, independent variables, and land use descriptions. Several changes were made to land use codes, names, definitions, etc. in order to ensure compatibility with *Trip Generation Manual*.

How old is the data contained in *Parking Generation Manual*, 6th Edition?

The 6th Edition database contains data points collected between the years 1990 and 2023. The data used to create land use data plots and statistics do not include any sites surveyed during the COVID-19 pandemic in 2020 and 2021.

How do I calculate parking generation for a mixed-use development?

The data presented in ITE *Parking Generation Manual*, 6th Edition and in the ITEParkGen web app represent measured parking demand at a single-use site. *Shared Parking*, developed by National Parking Association Parking Consultants Council, provides guidance on the estimation of parking demand at a mixed-use development. *Shared Parking* incorporates ITE *Parking Generation Manual* data within its calculations.

The analyst should refer to *Shared Parking* for a full methodology explanation. A high-level explanation is provided below:

1. Calculate peak parking demand as if each land use is situated on its own site.
2. Tabulate the parking demand for each land use on an hourly basis, based on the

hourly percentages for each land use as presented in Parking Generation Manual and/or Shared Parking.

3. Calculate the total demand for each hour by summing the demands for each individual land use. The highest hourly total represents the projected parking demand for the mixed-use development.

Is there an opportunity for ITE members to upload data, which could make *Parking Generation Manual* a living document?

ITE provides a website for submission of single-count parking generation data. Go to <http://www.ite.org/counts> and enter the requested information. This URL is both mobile and desktop friendly and data entry takes less than three minutes. This form represents the minimum level of data desired. ITE's preference is for completion of the full data submission form that can be downloaded from the ITE web site <https://www.ite.org/technical-resources/topics/trip-and-parking-generation/parking-generation-data-submission/>. Data may also be submitted through direct transmittal of electronic files to ITE at tripgen@ite.org. Currently, there is no means provided to allow for real time uploads of data to the overall parking generation database.

ACCESS TO ITEPARKGEN WEB APP

Can I change the email address that was used for the account registration?

Yes, contact support@transoftsolutions.com to change the email address associated with your ITEParkGen web app account.

Does the licensing agreement for ITEParkGen (6th Edition) have an expiration date?

Your account will expire on January 1, 2028.

Can I share my account with my colleagues in the same company?

No. The license agreement for the ITEParkGen web app is for a single user and strictly prohibits sharing of accounts. Violations of this policy will be reported to ITE for further action. Additional accounts may be added by clicking on the Add Users button located in the left panel of the navigational menu.

I got locked out of my account and am not able to login again with the correct password. What should I do?

Your account will be locked if you try to login several times with an incorrect password. Reset your password using the "Forgot your password?" link located below the Login cells.

INTERNET BROWSER

What browsers does ITEParkGen web app support?

ITEParkGen web app supports Microsoft Windows® Internet Explorer version 9 or later, Mozilla Firefox version 13 or later, Google Chrome version 19 or later, and Apple Safari version 5.1 or later.

Does my browser have to support cookies?

ITEParkGen web app requires that cookies be enabled in your browser.

Can I open ITEParkGen web app in more than one tab within the same browser session?

You can use multiple tabs within the same browser session.

Can I use ITEParkGen web app in multiple devices or browsers?

You can use ITEParkGen in multiple devices or browsers as long as it is not a concurrent use. You will not be able to access your account in another device or browser until you are logged out of the initial device or browser.

PRINTING

How do I print a data plot similar to what I see in *Parking Generation Manual*?

A Print Report button is located in the top right corner of the full Graph Look Up screen. After the button is clicked, a new browser tab opens with a print preview of the complete data plot. Use the Print functionality of the browser to print the data plot page. Use the “Letter” paper size and “Portrait” orientation.

WEB APP APPLICATION

Can I calculate an actual parking demand estimate for a particular site?

ITEParkGen will calculate and display parking generation for your specific site characteristics.

Select a land use, land use subcategory, setting/location, independent variable, and time period using the drop-down menus on the Graph Look Up page.

Enter the value for the independent variable in the “Enter IV Value to Calculate Parking Demand” cell and click the “Calculate” button. The range of independent variable values in the database is displayed in a pop-up window.

ITEParkGen calculates and displays the number of parked vehicles based on the weighted average, the fitted curve equation (if provided), and the 85th percentile for the selected land use, land use subcategory, setting/location, independent variable, and time period.

- The calculated parking demand is displayed in the data plot with a red dashed line for the weighted average rate (and solid red line for the fitted curve equation if provided).
- In order to see the calculated values, hover the mouse over the point that corresponds to the IV value and appropriate line. If this data plot is printed, the independent variable value and any calculated values will be displayed.
- The calculated parking demand is also presented in the Data Statistics panel to the right of the data plot.

Enter a different value for Independent Variable and the calculated parking demand display is updated.

Select a different time period and the calculated parking demand display is updated.

Click the RESTORE button or select a different setting/location, land use subcategory, or land use and the app clears the calculated parking demand from the data plot, from the Data Statistics panel, and from the Print Report data plot.

Can I revise a data plot to exclude specific data points and determine rates and equations for my specific conditions?

Yes, you can to a certain extent. With the ITEParkGen Filter function, you can selectively include data by region (e.g., region of the United States), by a range of independent variable values, or by a range of years. Perform a query and use the Filter button to pick the appropriate filter and update the data plot. The Filtered Data Statistics panel provided to the right side of the data plot displays statistics based on the filtered data. You can click on the Print Report button on the top right corner to print the revised data plot based on filtered data.

Can I create a data plot exclusive to Canadian data?

The Filter button enables you to select only Canadian data. Perform a query by defining the land use code, subcategory, setting, independent variable and time period. Click on the Filter button to access the Filter page with three filtering options. Click on the Region drop-down menu, select Canada, and click on the Update button. If Canada does not appear on the drop-down list, there are no Canadian sites in the database that satisfy the particular Query criteria.