



PC*MILER 25

PC*MILER | Spreadsheets gives you access to PC*MILER from within your own spreadsheet software.

PC*MILER | Spreadsheets gives you the ability to access PC*MILER's features and functionality from within your own spreadsheet software to then use built-in functions to summarize and analyze your data. PC*MILER | Spreadsheets provides a seamless interface with PC*MILER and Microsoft® Excel® to perform customized analyses of your data.

- 🇺🇸 **On-premise installation**
- 🇺🇸 **Negotiate rates on actual mileage**, not approximate values
- 🇺🇸 **Analyze transportation costs** to and from customers
- 🇺🇸 **Calculate driver pay** based on per-mile wages
- 🇺🇸 **Audit freight bills** for mileage discrepancies
- 🇺🇸 **Provide price quotes** in seconds
- 🇺🇸 **Optimize lane analyses** and perform modal comparisons
- 🇺🇸 **Perform proximity and rating analyses**
- 🇺🇸 **Enhance strategic planning and forecasting**

Popular Formulas: (not a comprehensive list of available formulas)

- 🇺🇸 **=Miles()** - returns mileage between two locations based on the routing type selected
- 🇺🇸 **=ZIPCode()** - returns a 5-digit ZIP Code from a corresponding location
- 🇺🇸 **=CityName()** - returns a city/state from a corresponding location
- 🇺🇸 **=FullName()** - returns ZIP Code, city/state and county name from a corresponding location
- 🇺🇸 **=Tolls()*** - returns the total toll cost from the origin to the destination
- 🇺🇸 **=DiscountedTolls()*** - returns the portion of the toll costs for the trip attributable to the specified discount program and the specified state. For example, calculate the E-ZPass toll costs by state for a trip.

*Applicable licenses required. Please contact PC*MILER Sales for more information.

FREIGHT RATE ANALYSIS						
FORMULAS USED IN THIS WORKSHEET:						
=Full Name, =ZIPCode, =Miles, and =DriveTime						
ORIGIN	Leesburg, VA			FULL NAME	20177 Leesburg, VA, Loudoun	
MILEAGE						
DELIVERY LOCATION	ZIP CODE	PRACTICAL MILEAGE	SHORTEST MILEAGE	MILEAGE DIFFERENCE	% DIFF	
Jersey City, NJ	07303	256.2	251.1	5.1	2.0%	
Newark, NJ	07102	253.0	247.1	5.9	2.3%	
Fort Lee, NJ	07024	268.2	261.6	6.6	2.5%	
RATE @ \$1.36 Per Mile						
DELIVERY LOCATION	ZIP CODE	PRACTICAL RATE	SHORTEST RATE	RATE DIFFERENCE	% DIFF	
Jersey City, NJ	07303	\$348.43	\$341.50	\$6.94	2.0%	
Newark, NJ	07102	\$344.08	\$336.06	\$8.02	2.3%	
Fort Lee, NJ	07024	\$364.75	\$355.78	\$8.98	2.5%	
DRIVE TIME (reported in [h]:mm)						
DELIVERY LOCATION	ZIP CODE	PRACTICAL DRIVE TIME	SHORTEST DRIVE TIME			
Jersey City, NJ	07303	4:07	4:27			
Newark, NJ	07102	4:06	4:59			
Fort Lee, NJ	07024	4:17	4:37			

TOLL COSTS PER TRIP				
FORMULAS USED IN THIS WORKSHEET:				
=Miles and =Tolls				
ORIGIN	DESTINATION	PRACTICAL MILEAGE	CASH-BASED TOLLS	DISCOUNT PROGRAM TOLLS
Portland, ME	Albany, NY	267.5	\$ 32.85	\$ 24.55
Boston, MA	Washington, DC	442.8	\$ 86.50	\$ 83.70
New York, NY	Dover, DE	169.5	\$ 120.50	\$ 91.65
Annapolis, MD	Philadelphia, PA	125.6	\$ 51.00	\$ 51.00
St Johns, NL	Halifax, NS	924.3	\$ 6.89	\$ 5.20
Orlando, FL	Saint Cloud, FL	24.4	\$ 5.00	\$ 4.00
TOTALS		1,954.1	\$ 302.74	\$ 260.10
\$ DIFFERENCE IN TOLLS				\$ 42.64
COST/MILE RATE		\$1.36		
TOTAL COST/MILE + TOLL COST			\$2,960.32	\$2,917.68
% OF TOLLS IN TOTAL COST			10.2%	8.9%

Sample PC*MILER | Spreadsheets Formulas

PC*MILER Intermodal Analysis compares truck vs. rail intermodal mileage, fuel consumption & carbon emissions.

PC*MILER Intermodal Analysis is an easy-to-use spreadsheet application that helps find alternative rail intermodal routes for truck shipments between an origin and destination. It helps to determine the efficiency of your intermodal lanes and enhances your transportation planning.

- Generate and compare highway and rail mileage in one application.

(Applicable product licenses required.)

- Locate intermodal ramps throughout North America, along with servicing railroad, rail station name and highway distance information.

- Compare estimated fuel usage and Greenhouse Gas (GHG) emissions for truck-only and intermodal routes.

- Use provided templates to create custom integration of PC*MILER | Rail with PC*MILER.

- Easily customize values for input parameters to obtain more accurate estimates of fuel consumption and carbon emissions.

- Perform further data computations within Microsoft® Excel® using intermodal analysis results.

The screenshot shows the 'PC*MILER Intermodal Analysis' application interface. It is divided into several sections:

- ROUTE INPUTS:**
 - 1 ENTER ORIGIN:** City, St or ZIP: 07102 Newark, NJ, Essex; Street Address: (if applicable); Validate button.
 - 2 ENTER DESTINATION:** City, St or ZIP: 77052 Houston, TX, Harris; Street Address: (if applicable); Validate button.
 - 3 FIND ORIGIN RAMP(S):** Search Radius: 50 miles; Find button. A list of origin intermodal ramps is shown, including CSXT - ELIZABETH MARINE TE, NJ (6.2 mi), NS - CROFTON, NJ (7.5 mi), CSXT - KEARNEY, NY (8.9 mi), NS - ELIZABETH, NJ (6.2 mi), CSXT - NORTH BERGEN, NJ (10.9 mi), NS - ERAIL, NJ (6.5 mi), and CSXT - LITTLE FERRY, NJ (12.3 mi).
 - 4 FIND DESTINATION RAMP(S):** Search Radius: 50 miles; Find button. A list of destination intermodal ramps is shown, including UP - ENGLEWOOD, TX (4.5 mi), BNSF - HOUSTON, TX (11.2 mi), UP - HOUSTON, TX (8.6 mi), BNSF - BARBOURS CUT, TX (25.2 mi), and UP - LA PORTE, TX (25.4 mi).
- 5 OPTIONS:** Shipment Weight: 25 tons; Truck Type: 48' 96" Semi-Trailer; Fuel Consumption: Truck Only Move: 5 mpg, Truck Drayage: 4 mpg, Rail: 436 ton-miles per gallon; Greenhouse Gases: Emissions as CO₂e: 22.2 lbs per gallon.
- 6 Calculate Routes:** A green button with 'Calculate Routes' text and a '(See Results Tab)' note.

Sample Route Input Screen

SYSTEM REQUIREMENTS

Environment

- PC with a minimum 1.5-2 GHz processor
- 2 MB hard disk space

Platforms:

- PC/LAN Windows® 2003, Vista, XP, and 7 running in 32-bit compatibility mode
- Citrix Metaframe
- Windows Servers (Terminal Servers, Server 2003, Server 2008 - including Server 2008 R2 running in 32-bit compatibility mode)

Other Requirements:

- 512 MB RAM (minimum)
- Microsoft® Excel® 5.0 or higher
- Applicable PC*MILER license(s)

Special Notes for PC*MILER Intermodal Analysis:

- PC*MILER and PC*MILER | Spreadsheets are required. Applicable versions: 24 and 25.
- To enter street-level addresses and generate street-level mileage, PC*MILER | Streets is also required. Applicable versions: 24 and 25.
- For full functionality including rail mileage and comparisons, a license for PC*MILER | Rail and PC*MILER | Rail-Connect is required (includes Spreadsheets functionality). Applicable versions: 16, 17 and 18.

The screenshot shows the 'PC*MILER Intermodal Analysis' application displaying results. It includes a summary of route inputs and a detailed results table.

- ROUTE INPUTS Summary:** Origin: 07102 Newark, NJ, Essex; Destination: 77052 Houston, TX, Harris; Shipment Weight: 25 tons; Truck Type: 48' Semi-Trailer; Fuel Consumption: Truck Only: 5 mpg, Truck Drayage: 4 mpg, Rail: 436 ton-miles per gallon; GHG Emissions: 22.2 lbs per gallon.
- RESULTS Table:**

	Truck Mileage	Rail Mileage	Estimated Truck Fuel Consumption Gallons	Estimated Rail Fuel Consumption Gallons	Estimated Greenhouse Gas Emissions CO ₂ Pounds		
TRUCK ONLY ROUTE							
	1,619	0	324	0	7,187		
INTERMODAL ROUTE(S)							
via Origin Ramp							
1 CSXT - ELIZABETH MARINE TE, NJ		UP - ENGLEWOOD, TX	11	2,031	3	116	2,645
2 CSXT - ELIZABETH MARINE TE, NJ		BNSF - HOUSTON, TX	17	2,246	4	129	2,955
3 NS - ELIZABETH, NJ		UP - ENGLEWOOD, TX	11	1,813	3	104	2,367
4 NS - ELIZABETH, NJ		BNSF - HOUSTON, TX	17	1,876	4	108	2,485

Sample Results Screen



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