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Value of Fuel

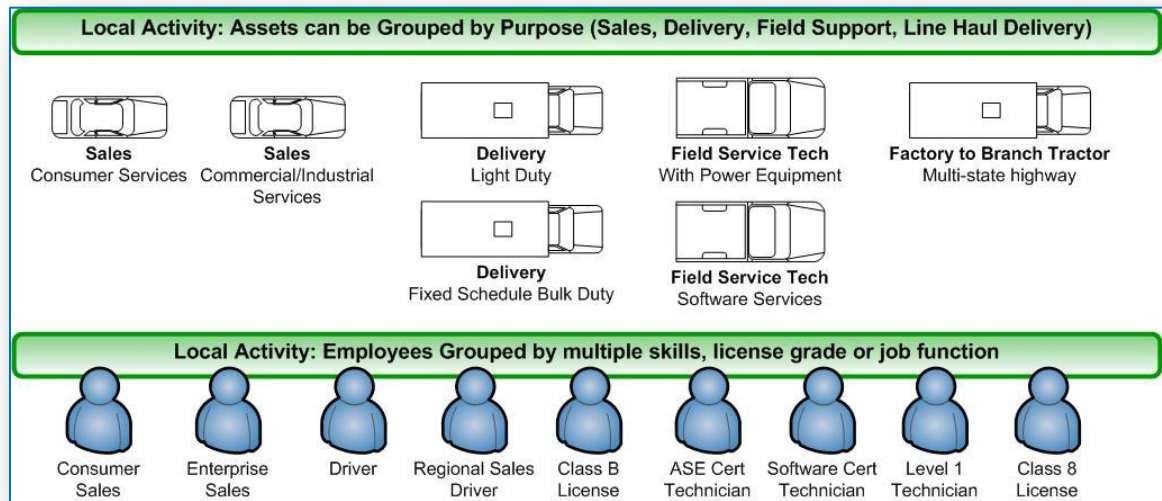
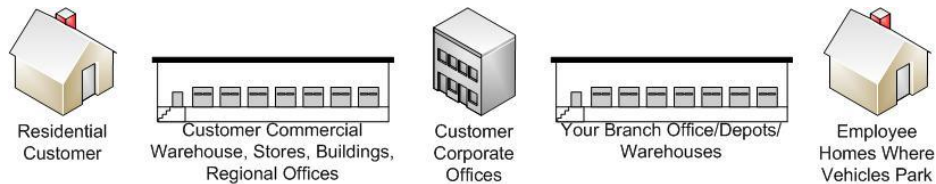
How to view driving behavior, engine idling, stop time at customer locations, drive time, traffic congestion and engine diagnostics to best manage fuel reduction.



Focus on Fuel Saving Technology

In preparing for a pilot of GPS and/or engine diagnostic data to monitor people and assets, there are a few preparations you should first make.

- 1) Identify addresses of all the places where your vehicles may park
- 2) Identify all vehicle types, if they can be 'grouped' for reporting and if are they assigned to Branches, Regions, Division, etc... of your organization
- 3) If drivers move from one vehicle to another, you may consider piloting Driver ID keys that can track driver-specific information as well as vehicle data



Reduce Idling



The first and easiest element to include in a pilot is engine idling.

During a 6-week pilot program, equipment was installed in delivery and sales vehicles of a fleet during the last week of May. Employees were educated mid-June with a discussion on engine idling and being conscientious about the miles they drive to and from the warehouse. The result was capturing baseline data against which 4 additional weeks of pilot data was compared.

		Driving Time	Idling Time	Idling Time/Asset Use %	Idling Min Saved/wk from Baseline	Gal Fuel Saved
June 1-7		365:18:30	73:14:22	20%		
June 8-14		358:09:50	67:20:20	19%		
Baseline Avg	No Idling Message >	361:44:10	70:17:21	19%		
June 15-21		353:04:07	45:35:21	13%	1482	24.7
June 22-28		383:31:29	50:18:40	13%	1198	20.0
June 29-July 5		319:22:38	42:34:51	13%	1662	27.7
July 6 - July 12		373:50:53	41:04:25	11%	1753	29.2

Measure Idling by Group

By reporting the activity of different Groups (Delivery Drivers vs Sales), the improvements can be better interpreted and managed. Ultimately the Delivery Drivers will have a target of 5% and Sales will have a target of 2%.

		Driving Time	Idling Time	Idling Time/Asset Use %	Idling Min Saved/wk	Gal Fuel Saved
June 1-7	Drivers	315:40:22	58:16:19	18%		
June 8-14	Drivers	309:19:17	59:09:13	19%		
Baseline Avg	No Idling Message >	312:29:49	58:42:46	19%		
June 15-21	Drivers	306:35:46	40:43:25	13%	1079	18.0
June 22-28	Drivers	347:33:38	45:44:05	13%	778	13.0
June 29-July 5	Drivers	278:49:57	34:42:15	12%	1440	24.0
July 6 - July 12	Drivers	334:11:00	37:45:55	11%	1256	20.9
June 1-7	Sales	49:38:07	14:58:03	30%		
June 8-14	Sales	48:50:32	8:11:07	17%		
Baseline Avg	No Idling Message >	49:14:20	11:34:35	24%		
June 15-21	Sales	46:28:20	4:53:28	11%	401	6.7
June 22-28	Sales	35:57:51	4:34:35	13%	420	7.0
June 29-July 5	Sales	40:32:40	7:52:36	19%	222	3.7
July 6 - July 12	Sales	39:39:52	3:18:30	8%	496	8.3

Communicate Benefits to Employees

CO₂ and the Washington Monument

Volume of the Washington Monument = 22026ft³ = 623.7m³

Gallons of gasoline needed to fill the Washington Monument with CO₂ = 623.7m³ / (4.867m³/gallon) or **128 gallons**

With an average of 25 gallons of fuel being saved per week for just 16 vehicles, this fleet will have saved enough CO₂ Greenhouse Gas emissions in just 5 weeks that would have filled the Washington Monument.

Putting engine idling into perspective for your employees will help them join your no-idling initiatives.

CO₂ emission data from [USEPA](#) and land area data from [CIA](#)



Account for Driving and Time

Area zones (geofences) were placed around the office, warehouse, customers, fuel sites, employee homes if they were permitted to park at home overnight.

		Customer Time/Period %	Undefined Stop Time/Period %	Driving Time/Period %	Office / Depot Time/Period %	Home Zone Time/Period %
June 1-7	Drivers	7.0%	7.0%	14.0%	72.1%	0.0%
June 8-14	Drivers	9.4%	3.8%	14.2%	72.2%	0.4%
June 15-21	Drivers	12.2%	7.9%	14.0%	63.9%	1.9%
June 22-28	Drivers	15.2%	2.6%	15.0%	67.2%	0.0%
June 29-July 5	Drivers	7.4%	2.9%	11.2%	78.0%	0.4%
July 6 - July 12	Drivers	9.0%	1.1%	12.6%	77.3%	0.0%
June 1-7	Sales	7.4%	31.6%	7.4%	17.3%	36.2%
June 8-14	Sales	8.9%	29.2%	7.3%	12.2%	42.4%
June 15-21	Sales	9.2%	14.5%	6.9%	19.0%	50.4%
June 22=28	Sales	3.9%	32.3%	5.1%	15.6%	43.1%
June 29-July 5	Sales	6.2%	14.7%	6.0%	15.6%	57.5%
July 6 - July 12	Sales	2.0%	41.6%	5.8%	10.8%	39.8%

Put Miles into Customer Perspective

By reviewing Customer Time vs. Driving Time vs. Miles driven, a new performance indicator can help put field time and distance into perspective.

Though the miles driven went up significantly in week 6, so did customer stops. The measurement of miles driven per customer stop continued to drop even though miles driven increased.

Lesson learned: only measuring mileage reduction is wrong. Driving time, customer time and customer stops provide the total picture for fuel savings.

	Driving Time/Period %	miles	# Customer Stops > 5 mins.	Average Miles/Customer Stop
June 1-7	12.5%	15,273	331	46.1
June 8-14	12.5%	15,398	350	44.0
June 15-21	12.4%	14,949	350	42.7
June 22-28	12.7%	16,374	376	43.5
June 29-July 5	10.1%	13,393	301	44.5
July 6 - July 12	11.2%	15,785	400	39.5

Ensure Your Perspective is by GROUP

By reporting on Groups, you can see the real impact that the technology has made on the Delivery Group as they drove 10 fewer miles/customer stop in wk 6 than in wk 1. The average number of customer stops is 281. **That's 2,810 fewer miles per wk to serve customers.** At 18 MPG for the vehicles, this pilot has saved; \$638 per week in fuel alone (the complete asset life-cycle cost is closer to \$1400 per week savings. **At \$220/wk to lease and pay for the equipment, a NET savings of more than \$400 per week has been demonstrated.**

		Driving Time/Period %	miles	# Customer Stops > 5 mins.	Average Miles/Custom er Stop
June 1-7	Drivers	14.0%	13,051	249	52.4
June 8-14	Drivers	14.2%	13,154	256	51.4
June 15-21	Drivers	14.0%	12,730	266	47.9
June 22-28	Drivers	15.0%	14,688	325	45.2
June 29-July 5	Drivers	11.2%	11,561	261	44.3
July 6 - July 12	Drivers	12.6%	13,881	329	42.2
June 1-7	Sales	7.4%	2,222	82	27.1
June 8-14	Sales	7.3%	2,244	94	23.9
June 15-21	Sales	6.9%	2,219	84	26.4
June 22-28	Sales	5.1%	1,686	51	33.1
June 29-July 5	Sales	6.0%	1,832	40	45.8
July 6 - July 12	Sales	5.8%	1,903	71	26.8

Integrate real and potential profit

For Delivery: Combine Average Miles Per Customer Stop with your invoiced sale or revenue at that customer stop to develop a benchmark to not only improve the number of miles per stop but also to ensure that stops are as profitable as they can be.

For Sales: Classify stops by profitable priority to ensure that high potential customers and prospects are visited with appropriate attention versus lower potential prospects and customers.

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Zone your Fuel Stops – Alert stop time

The customer uses the PHH Arval fuel card system. Fuel station locations were zoned so each fuel-up by the vehicle was recorded. A long stop time is highlighted.

Device	Location	Time Of Arrival	Duration	Time Of Departure
FUEL:BP OIL				
1	FUEL:BP OIL	6/27/2008 3:47:42 PM	0:08:46	6/27/2008 3:56:28 PM
			0:08:46	
FUEL:MARATHON				
8	FUEL:MARATHON	6/9/2008 8:36:24 AM	0:00:16	6/9/2008 8:36:40 AM
			0:00:16	
FUEL:PILOT TRAVEL CENTERS LLC				
5	FUEL:PILOT TRAVEL CENTERS LLC	6/13/2008 6:33:07 AM	0:14:13	6/13/2008 6:47:20 AM
			0:14:13	
FUEL:SHELL / EQUIVA SERVICES				
4	FUEL:SHELL / EQUIVA SERVICES	6/5/2008 3:50:37 PM	0:08:57	6/5/2008 3:59:34 PM
Pool 2	FUEL:SHELL / EQUIVA SERVICES	6/6/2008 9:59:50 AM	0:01:15	6/6/2008 10:01:05 AM
3	FUEL:SHELL / EQUIVA SERVICES	6/12/2008 1:01:59 PM	0:05:10	6/12/2008 1:07:09 PM
8	FUEL:SHELL / EQUIVA SERVICES	6/18/2008 4:56:25 PM	0:03:10	6/18/2008 4:59:35 PM
9	FUEL:SHELL / EQUIVA SERVICES	6/19/2008 11:14:05 AM	0:07:39	6/19/2008 11:21:44 AM
9	FUEL:SHELL / EQUIVA SERVICES	6/23/2008 1:44:54 PM	0:07:43	6/23/2008 1:52:37 PM
10	FUEL:SHELL / EQUIVA SERVICES	6/26/2008 1:33:13 PM	0:06:20	6/26/2008 1:39:33 PM
1	FUEL:SHELL / EQUIVA SERVICES	6/16/2008 7:42:19 AM	0:51:25	6/16/2008 8:33:44 AM
4	FUEL:SHELL / EQUIVA SERVICES	6/20/2008 4:26:22 PM	0:03:47	6/20/2008 4:30:09 PM
4	FUEL:SHELL / EQUIVA SERVICES	6/30/2008 1:07:45 PM	0:04:46	6/30/2008 1:12:31 PM
			1:40:12	

Identify Fuel Card Provider and Reports

By integrating the vehicle fuel stops with fuel card use report, the customer can audit whether the wrong fuel grade was used or whether the fuel card was used with the vehicle being located at the fuel station.

Purchase						Product	Cost Per		Matches
Date/Time	Unit #	Supplier Name	Supplier Address	Supplier City, State, Zip	Description	Quantity	Amount	Gallon	Vehicle Stop
6/2/08 12:26 PM	08319	SPEEDWAY	5510 BARDSTOWN RD	LOUISVILLE KY 40291-0000	Diesel	16.5	\$75.75	\$4.59	No
6/2/08 1:38 PM	03403	SPEEDWAY	5234 RIDGE AVE	CINCINNATI OH 45213-2510	Diesel	26	\$125.00	\$4.79	No
6/2/08 4:56 PM	08098	SPEEDWAY	7397 TYLERSVILLE RD	WEST CHESTER OH 45069-1520	Diesel	15.3	\$73.55	\$4.79	No
6/2/08 4:57 PM	02414	SPEEDWAY	7397 TYLERSVILLE RD	WEST CHESTER OH 45069-1520	Diesel	20.6	\$99.00	\$4.79	No
6/3/08 10:40 AM	07125	SPEEDWAY	6203 WOOSTER PK US R	FAIRFAX OH 45227-0000	Diesel	12.2	\$58.76	\$4.79	No
6/3/08 11:27 AM	04147	BURWELL OIL SERVICE INC	1830 MIDLAND TRAIL R	SHELBYVILLE KY 40065-0000	Diesel	30.4	\$143.00	\$4.69	No
6/3/08 4:39 PM	02414	SPEEDWAY	7397 TYLERSVILLE RD	WEST CHESTER OH 45069-1520	Diesel	18.9	\$90.50	\$4.79	No
6/3/08 6:24 PM	08098	SPEEDWAY	7397 TYLERSVILLE RD	WEST CHESTER OH 45069-1520	Diesel	17.8	\$85.55	\$4.79	No
6/2/08 3:09 PM	04147	SPEEDWAY	5234 RIDGE AVE	CINCINNATI OH 45213-2510	Diesel	24.9	\$119.51	\$4.79	Yes
6/2/08 4:03 PM	08319	SPEEDWAY	5234 RIDGE AVE	CINCINNATI OH 45213-2510	Diesel	10.6	\$50.75	\$4.79	Yes
6/2/08 4:13 PM	00672	SPEEDWAY	23 NEW GARVER ROAD	MONROE OH 45050-0000	Reg Unleaded	20.7	\$79.90	\$3.85	Yes
6/3/08 8:23 AM	06496	SPEEDWAY	3395 MADISON PK	FORT WRIGHT KY 41017-0000	Diesel				Yes
6/3/08 8:29 AM	02292	SPEEDWAY	5234 RIDGE AVE	CINCINNATI OH 45213-2510	Diesel				Yes
6/3/08 9:08 AM	04148	AMOCO	12750 STATE RT 56 SE	MOUNT STERLING OH 43143-9470	Diesel				Yes
6/3/08 12:57 PM	08487	SHELL / EQUIVA SERVICES	125 BYERS ROAD	MIAMISBURG OH 45342-3612	Reg Unleaded				Yes
6/3/08 3:05 PM	04147	SPEEDWAY	5234 RIDGE AVE	CINCINNATI OH 45213-2510	Diesel				Yes
6/3/08 3:23 PM	06496	SPEEDWAY	5234 RIDGE AVE	CINCINNATI OH 45213-2510	Diesel				Yes
6/3/08 4:34 PM	02292	SPEEDWAY	5234 RIDGE AVE	CINCINNATI OH 45213-2510	Diesel	10.9	\$52.28	\$4.79	Yes
6/4/08 7:31 AM	08099	SPEEDWAY	5234 RIDGE AVE	CINCINNATI OH 45213-2510	Diesel	19.1	\$91.44	\$4.79	Yes
6/4/08 7:38 AM	03403	SPEEDWAY	5234 RIDGE AVE	CINCINNATI OH 45213-2510	Diesel	14.4	\$69.00	\$4.79	Yes

Requires custom integration with customer fuel card data

Fuel Deviation

The integrated report on fuel purchased v. consumed. Fuel consumed is based on average MPG per vehicle, miles driven and fuel purchased. A large % difference between purchased and consumed fuel can indicate fuel card abuse or can indicate that vehicle engine maintenance is required.

Requires custom integration with customer fuel card data

Unit #	Assigned Driver	Year	Make	Model	Engine Description	Gallons	Gallons	Miles Driven	Gallons	% Difference
						Purchased	Consumed		Minus Gallons Consumed	
32171	SMITH, SHANNON	2004	INTE	4X2 CAB CHASSIS	DIESEL	289	205	1,757	83.8	40.88%
32378	POLIZZOTTO, STEPHEN	2007	FREI	6X4 CAB CHASSIS	DIESEL	303	222	1,537	80.86	36.42%
32376	KRANCHALK, RON	2007	FREI	6X4 CAB CHASSIS	DIESEL	410	319	2,249	90.67	28.42%
32386	RAMIREZ, RICHARD	2007	FREI	6X4 CAB CHASSIS	DIESEL	766	607	3,586	158.79	26.16%
32365	GEISLER, STEVEN	2007	FREI	6X4 CAB CHASSIS	DIESEL	751	642	4,500	109.22	17.01%
32478	BACON, RUSSELL	2008	FREI	4X2 CAB CHASSIS	DIESEL	354	303	2,657	50.64	16.71%
32374	MLYNEK, TED	2007	FREI	6X4 CAB CHASSIS	DIESEL	494	429	2,885	65.35	15.23%
32313	MOORE, MICHAEL	2006	FREI	6X4 CAB CHASSIS	DIESEL	185	163	1,076	22.4	13.74%
32253	CRISTAUDO, FRED	2005	FREI	6X4 CAB CHASSIS	DIESEL	193	173	1,230	19.74	11.41%
32461	LILLIE, MICHAEL	2008	FREI	6X4 TRACTOR	DIESEL	559	507	3,059	52.37	10.33%
32501	THOMAS, KYLE	2008	FREI	6X4 CAB CHASSIS	DIESEL	448	410	2,712	37.92	9.25%
32437	COOPER, CHRIS	2007	FREI	6X4 CAB CHASSIS	DIESEL	714	660	3,776	53.83	8.16%
32349	MCLAUGHLIN, PETE	2006	PETE	6X4 CAB CHASSIS	DIESEL	294	275	1,778	18.78	6.83%
32317	HANNA, MATTHEW	2006	FREI	4X2 CAB CHASSIS	DIESEL	295	280	1,973	15.28	5.46%
32510	FRINDT, RICHARD	2008	FREI	6X4 TRACTOR	DIESEL	390	376	2,654	14.45	3.84%

Maintain A Healthy Engine

An engine may provide you with information on its health, including whether it is running, lean, or rich. In addition, by reviewing asset health and utilization, you may optimize your fleet size by reducing or relocating assets.

The screenshot displays the 'Engine Health Analysis' software interface. On the left, there is an 'Options Panel' with a 'Data View' dropdown set to 'Fault Data'. Below this, there are fields for 'Source' (set to '(No Source Filter)') and 'Diagnostic'. A search bar is present with the text 'Type here to search for item'. Underneath, there are folder icons for 'Drivers' and 'Sales'. A 'Dates' section includes a 'Period' dropdown set to 'Last Week', and 'From' and 'To' date pickers set to '7/20/2008 12:00 AM' and '7/26/2008 11:59 PM' respectively. A 'Show Dismissed Faults' checkbox is unchecked. A 'Show Data' button is at the bottom of the options panel. The main area is a table with columns: Device, Source, Diagnostic, Controller, Log Date, and Failure Mode. The table contains 18 rows of data, all showing '730 - Fuel Intake Rich' as the diagnostic code. The 'Records: 18' label is at the bottom left of the window. At the bottom right, there are 'Tasks' and 'Close' buttons.

Device	Source	Diagnostic	Controller	Log Date	Failure Mode
1					
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/21/2008 9:27:52 AM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/22/2008 9:42:32 AM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/22/2008 9:47:14 AM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/22/2008 12:03:12 PM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/22/2008 1:11:20 PM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/22/2008 1:33:07 PM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/22/2008 3:32:47 PM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/22/2008 4:52:35 PM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/23/2008 6:43:33 AM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/23/2008 8:01:14 AM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/23/2008 10:19:27 AM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/23/2008 12:46:55 PM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/23/2008 2:20:10 PM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/23/2008 2:48:35 PM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/23/2008 3:47:29 PM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/23/2008 3:55:54 PM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/24/2008 10:39:52 AM	-
1	OBD	730 - Fuel Intake Rich	OBD Powertrain	7/24/2008 1:00:37 PM	-

Congregation Analysis

A Congregation is when 2 or more of your vehicles are parked at the same off-site location. By reviewing this activity, it is possible to find inefficient dispatching choices or customer service choices where perhaps 2 or more vehicles are at the same place. In some cases, vehicles need to meet off-site to share inventory where the Congregation Report can ensure that these meetings are happening at the right date, time, location and duration.

Congregation Report				
Period: 6/1/2008 12:00:00 AM to 6/30/2008 11:59:59 PM				
Devices	Arrival Time	Departure Time	Stop Duration	Locations
Congregated at 6/10/2008 9:30:20 AM for 9 Minutes				
6	6/10/2008 9:30:20 AM	6/10/2008 9:39:30 AM	0:09:10	1119 McArthur Rd, Jeffersonville, OH
10	6/10/2008 9:17:35 AM	6/10/2008 9:41:57 AM	0:24:22	10112 Carr Rd, Jeffersonville, OH
Congregated at 6/11/2008 2:29:03 PM for 4 Minutes				
7	6/11/2008 2:29:03 PM	6/11/2008 2:33:27 PM	0:04:24	2_SUSAN TOMSIC: 3537 Watertower Ln, Dayton, OH
8	6/11/2008 2:21:59 PM	6/11/2008 2:35:18 PM	0:13:19	2_SUSAN TOMSIC: 2286 Sidneywood Rd, Dayton, OH
Congregated at 6/11/2008 9:22:28 AM for 22 Minutes				
6	6/11/2008 9:21:50 AM	6/11/2008 9:45:13 AM	0:23:23	12545 Oh-56 SE, Mt Sterling, OH
10	6/11/2008 9:22:28 AM	6/11/2008 9:46:06 AM	0:23:38	12561 Oh-56 SE, Mt Sterling, OH

Monitor Speed, Idling and After Hours

Driver safety reports help to improve aggressive driving and summarize the activity of drivers including speed, excess stop, idling, after hours, miles and stops in several areas . Drivers training can help drivers realize the importance of reducing speed and idle time to enhance personal and environmental safety.

	Item	Speed > 70	Speed >= 80	Speed >= 90	Ave. Speed	Stops < 10 Mins	Stops > 10 Mins	Stops > 20 Mins	Stops > 30 Mins	Stops > 40 Mins	Stops > 50 Mins	Idling > 5 Mins	Idling Time	After Hours Trips	Total miles	Total Stops
June 1-June 7	Drivers	268	0	0	41.3	319	109	29	5	9	71	186	58:16:19	5	13,051	542
June 8-June 14	Drivers	342	0	0	42.5	321	106	31	6	6	68	190	59:09:13	8	13,154	538
June 15-June 21	Drivers	352	0	0	41.5	332	95	34	16	7	74	163	40:43:25	16	12,730	558
June 22-June 28	Drivers	525	0	0	42.3	425	118	41	13	12	81	176	45:44:05	20	14,688	690
June 29-July 5	Drivers	382	0	0	41.5	312	113	30	8	5	57	124	34:42:15	9	11,561	525
July 6-July 12	Drivers	465	1	0	41.538	409	118	35	6	4	63	153	37:48:14	8	13,881	635
June 1-June 7	Sales	86	0	0	44.8	47	39	11	5	8	65	27	14:58:03	16	2,222	175
June 8-June 14	Sales	130	0	0	46.0	56	25	16	7	6	56	19	8:11:07	12	2,244	166
June 15-June 21	Sales	168	0	0	47.8	43	20	14	6	5	60	14	4:53:28	11	2,219	148
June 22-June 28	Sales	142	0	0	46.9	31	22	10	1	3	58	9	4:34:35	17	1,686	125
June 29-July 5	Sales	120	3	0	45.2	38	20	8	6	2	65	11	7:53:04	23	1,832	139
July 6-July 12	Sales	106	0	0	47.987	70	28	15	3	5	51	8	3:18:30	12	1,903	172

Dispatch Vehicles Around Traffic Jams

Live updates to the Microsoft Virtual Earth web-based maps enable a 'green/yellow/red' road status display so you can see how traffic is moving and see if your vehicles are stuck in traffic so you can dispatch them around traffic jams. Geotab devices are shown with vehicle ID and Driver ID names as well as whether they are "Driving" or "Stopped".



Route Planning and Scheduling

In order to reduce the number of miles driven beyond driver discretion and habit, a routing and scheduling tool may be used to plan routes and schedule deliveries.

Route Planner ✕

Type place or address

Add to Route

Get Directions GPS Pane

- 1 2940 Highland Ave, Cincinnati, OH 45212
- 2 5291 Ridge Ave, Cincinnati, OH 45213
- 3 414 Beechmont Ave, Cincinnati, OH 45255
- 4 3986 Nine Mile Rd, Cincinnati, OH 45255
- 5 1337 SR-125, Amelia, OH 45102
- 6 2940 Highland Ave, Cincinnati, OH 45212
- 7 1120 State Route 32, Batavia, OH 45103
- 8 8119 Alexandria Pike, Alexandria, KY 41001
- 9 4391 Boron Ave, Latonia Lakes, KY 41015
- 10 4291 Spring Grove Ave, Cincinnati, OH 45223
- 11 2940 Highland Ave, Cincinnati, OH 45212
- 12 2303 Boudinot Ave, Cincinnati, OH 45238
- 13 5327 SR-264, Cincinnati, OH 45238
- 14 5016 Delhi Ave, Cincinnati, OH 45238
- 15 2 Huey Ave, Cincinnati, OH 45233
- 16 902 W Eads Pkwy, Lawrenceburg, IN 47025
- 17 86 Dirks Rd, Batesville, IN 47006
- 18 1324 SR-46, Batesville, IN 47006
- 19 2940 Highland Ave, Cincinnati, OH 45212
- 20 Calahan Rd, West Harrison, IN 47060

Optimize Stops

More Options...

Time	Mile	Instruction	For	Toward
Summary: 266.7 miles (5 hours, 42 minutes)				
9:00 AM	0.0	1 Depart 2940 Highland Ave, Cincinnati, OH 452 0.6 mi		
9:01 AM	0.6	Turn RIGHT (South) onto Ridge Ave	131 yds	
9:02 AM	0.7	2 At 5291 Ridge Ave, Cincinnati, OH 45213, stay 0.2 mi		
9:02 AM	0.9	Take Ramp (RIGHT) onto I-71	1.4 mi	I-71 / Cincinnati
9:04 AM	2.3	At exit 6, turn RIGHT onto Ramp	0.1 mi	Oh-561 / Edwards Rd / Smith Rd
9:04 AM	2.5	Keep LEFT to stay on Ramp	54 yds	Oh-561 / Edwards Rd
9:04 AM	2.5	Turn LEFT (East) onto SR-561 [Williams Ave]	0.1 mi	
9:04 AM	2.6	Turn RIGHT (South) onto SR-561 [Edwards Rd]	1.0 mi	
9:06 AM	3.6	Turn LEFT (East) onto SR-561 [Observatory Ave]	0.2 mi	
9:07 AM	3.8	Bear RIGHT (South-East) onto SR-561 [Linwood Ave]	1.6 mi	
9:09 AM	5.5	Keep STRAIGHT onto SR-561 [Beechmont Ave]	120 yds	

North America United States Ohio

Conclusion

Ultimately, the road to fuel savings has brought us to first understanding **how** and **why** we burn fuel in the daily conduct of business.

Every group in your company needs to drive vehicles for different reasons. Delivery fleets must be efficient in the routes they take while Sales can best manage their prospects and current customer time through measuring their time versus the potential revenue opportunity.

A comprehensive approach to fuel savings starts with your fuel purchase methods, ensuring the fuel you purchase is the right fuel for your vehicles and is consumed by your vehicles.

By comparing fuel purchases to customer visit activity, you can create performance indicators that mean more than simply monitoring miles driven.

Employee communication is key to generating results. Greenhouse Gas emissions will reduce, and will send a positive message of valuing personal safety.