

# 2025 Fuel Report Discrepancies

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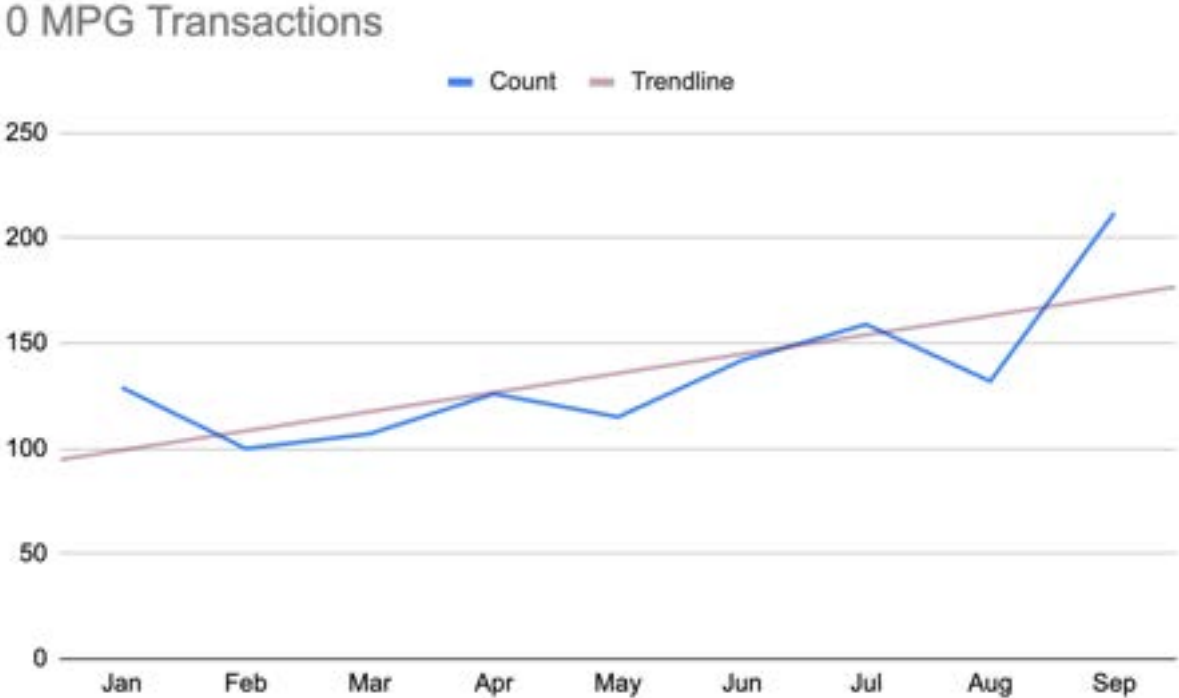
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# Summary

After spotting several problems with the PDF fuel reports by eye, and then confirming more problems after converting them to spreadsheets, I requested the data for the year 2025 via FOIA in a machine readable format (XML, CSV, and/or Excel Spreadsheet). After payment, I received an excel spreadsheet with 7,143 transactions where vehicles received fuel between December 30, 2024 and September 30, 2025.

# 0 MPG Transactions

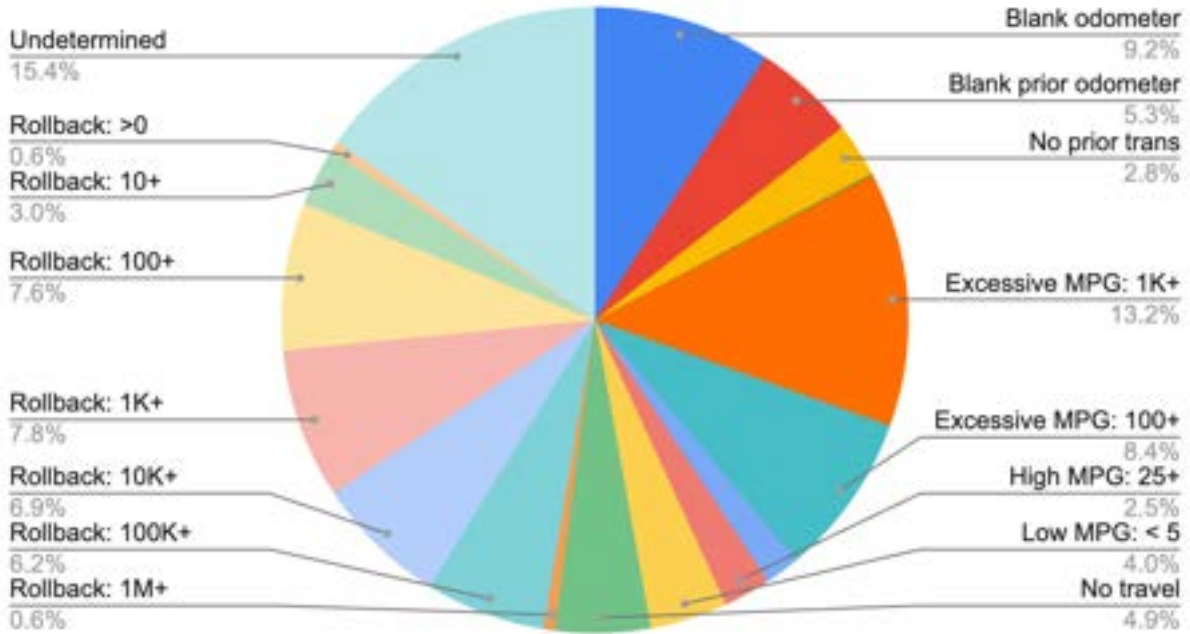
There were 1,224 fuel transactions (17%) reporting 0 MPG. When charting out each month, and adding a trendline, the 0 MPG calculations continue to increase month after month.



Month	Count
Jan	129
Feb	100
Mar	107
Apr	126
May	115
Jun	142
Jul	159
Aug	132
Sep	212
<b>Total</b>	<b>1,224</b>

# Anomalies in calculations

## 0 MPG Reasons



The result for the 0 MPG calculations reflect the following conditions:

Reason	Count	Percent	Latest Fuel Date	Transaction No
Odometer blank	112	1.6%	Sep 29, 2025 6:16 PM	00138361
Prior odometer reading was blank	65	0.9%	Sep 29, 2025 7:52 AM	075231
Prior transaction was not included in data set to determine the reason	34	0.5%	Sep 19, 2025 4:19 PM	00056554
Excessive MPG: 1M+	1	0.0%	Jul 16, 2025 4:00 PM	00310028
Excessive MPG: 1K+	161	2.3%	Sep 29, 2025 11:10 AM	00223404
Excessive MPG: 100+	103	1.4%	Sep 29, 2025 10:16 AM	9415
Excessive MPG: 50+	22	0.3%	Sep 26, 2025 10:54 AM	00002677
High MPG: 25 to < 50	30	0.4%	Sep 25, 2025 4:34 PM	34120028
Low MPG: < 5	49	0.7%	Sep 25, 2025 7:30 AM	00000639
No travel between fuel transactions	60	0.8%	Sep 28, 2025 1:59 PM	135957
Odometer Rollback: 1M+	7	0.1%	Aug 5, 2025 7:12 AM	00237623
Odometer Rollback: 100K+	76	1.1%	Sep 28, 2025 4:08 PM	00054146
Odometer Rollback: 10K+	84	1.2%	Sep 24, 2025 1:23 PM	00227534
Odometer Rollback: 1K+	95	1.3%	Sep 28, 2025 2:52 AM	00053949
Odometer Rollback: 100+	93	1.3%	Sep 24, 2025 3:18 PM	9342
Odometer Rollback: 10+	37	0.5%	Sep 13, 2025 12:15 PM	00041068
Odometer Rollback: > 0	7	0.1%	Aug 19, 2025 9:27 PM	0718726
Undetermined	188	2.6%	Sep 30, 2025 6:55 AM	065501
<b>Total</b>	<b>1,224</b>	<b>17.1%</b>		

# Duplicate Vehicle ID's, Tags & Missing VINs

One of the vehicle ID's is associated with two distinct VIN numbers, descriptions, and tag numbers. Two vehicle ID's have vehicle descriptions that have changed.

ID	VIN	Tag	Description	Count	Latest	Transaction
000103	1FAHP58274A143924	115-000L	2006 FORD TAURUS	8	Mar 26, 2025 7:08 AM	00238377
000103	1FAHP58274A143924	115-000L	06 FORD STN WGN	19	Sep 26, 2025 7:16 AM	00268130
000201	1FM5K8B80FGC27329	189-600L	2015 FORD EXPLORE	4	Sep 23, 2025 1:08 PM	0983916
000201	2D8HN44E79R638445	149-269L	2009 Dodge Caravan	15	Sep 15, 2025 7:54 PM	54010028
000760	1FMZU34X9WUB36614	98-823L	1998 FORD EXPLORER	1	Feb 3, 2025 11:43 AM	114335
000760	1FMZU34X9WUB36614	98-823L	1998 FORD EXPLORE	3	Sep 28, 2025 12:42 PM	00187066

One of the tags is associated with two distinct VIN numbers and vehicle id's. Two tags have a vehicle description that changes.

ID	VIN	Tag	Description	Count	Latest ID	Transaction
000103	1FAHP58274A143924	115-000L	2006 FORD TAURUS	8	Mar 26, 2025 7:08 AM	00238377
000103	1FAHP58274A143924	115-000L	06 FORD STN WGN	19	Sep 26, 2025 7:16 AM	00268130
000601	1FTBF2B63EEA38515	179-188L	2014 FORD F250	39	Sep 25, 2025 8:04 AM	00449235
000616	1FDBF2B6XEEA43349	179-188L	2014 FORD F250	11	Sep 3, 2025 7:31 AM	00237058
000760	1FMZU34X9WUB36614	98-823L	1998 FORD EXPLORER	1	Feb 3, 2025 11:43 AM	114335
000760	1FMZU34X9WUB36614	98-823L	1998 FORD EXPLORE	3	Sep 28, 2025 12:42 PM	00187066

Two vehicles have a missing VIN number. The vehicle description changes for two other VIN numbers.

ID	VIN	Tag	Description	Count	Latest ID	Transaction
000691		234825L	2020 Chevy Silverado 3500	24	Sep 29, 2025 10:39 AM	103909
000766		234826L	2021 Ford F350	49	Sep 22, 2025 4:22 AM	00216742
000103	1FAHP58274A143924	115-000L	2006 FORD TAURUS	8	Mar 26, 2025 7:08 AM	00238377
000103	1FAHP58274A143924	115-000L	06 FORD STN WGN	19	Sep 26, 2025 7:16 AM	00268130
000760	1FMZU34X9WUB36614	98-823L	1998 FORD EXPLORER	1	Feb 3, 2025 11:43 AM	114335
000760	1FMZU34X9WUB36614	98-823L	1998 FORD EXPLORE	3	Sep 28, 2025 12:42 PM	00187066

# Misfuel

## Diesel & Unleaded

There are many vehicles reported as having been fueled with both Diesel and Unleaded fuel. Having both of these fuel types is an anomaly, as they can destroy an engine if the tank is not immediately drained and flushed before starting the vehicle. This may indicate that a different vehicle was fueled than what was reported, or that the vehicle has onboard/towed equipment and/or containers in addition to it's own fuel tank.

Vehicle Id	Product	Latest	Transaction	Description
000144	DIESEL	Sep 2, 2025 4:15 PM	00765173	1996 PIERCE SABER
000144	UNLEADED	May 18, 2025 1:18 PM	131848	1996 PIERCE SABER
000502	DIESEL	May 24, 2025 9:57 AM	00246474	2017 FORD F250
000502	UNLEADED	Sep 15, 2025 9:02 AM	00223557	2017 FORD F250
000602	DIESEL	Jul 30, 2025 6:44 AM	00002728	2019 Ford F350
000602	UNLEADED	Sep 18, 2025 6:27 AM	01169400	2019 Ford F350
000604	DIESEL	Jun 18, 2025 12:01 PM	00013653	2019 Ford F350
000604	UNLEADED	Sep 23, 2025 12:50 PM	00219756	2019 Ford F350
000619	DIESEL	Sep 11, 2025 12:53 PM	00042244	2008 FORD F350 TR
000619	UNLEADED	Sep 26, 2025 10:54 AM	00002677	2008 FORD F350 TR
000620	DIESEL	Jun 4, 2025 11:18 AM	00240511	1997 INTERNATIONAL
000620	UNLEADED	Sep 24, 2025 1:23 PM	00227534	1997 INTERNATIONAL
000682	DIESEL	Sep 29, 2025 5:48 AM	00223303	2016 FORD F450 DU
000682	UNLEADED	Jun 4, 2025 6:40 AM	00240406	2016 FORD F450 DU
000691	DIESEL	Aug 8, 2025 6:43 AM	064358	2020 Chevy Silverado 3500
000691	UNLEADED	Sep 29, 2025 10:39 AM	103909	2020 Chevy Silverado 3500
000751	DIESEL	Jul 3, 2025 11:07 AM	00298867	2013 FORD F150
000751	UNLEADED	Sep 24, 2025 11:10 AM	00227502	2013 FORD F150
001269	DIESEL	Sep 28, 2025 4:08 PM	00054146	2008 FORD BRUSH
001269	UNLEADED	May 10, 2025 9:23 AM	00002724	2008 FORD BRUSH
001634	DIESEL	Sep 20, 2025 10:04 AM	9270	2002 FORD F-350
001634	DIESEL	Aug 9, 2025 2:09 PM	0173369	2002 FORD F-350
002163	DIESEL	Sep 27, 2025 1:46 PM	00119329	2012 FORD F-350
002163	UNLEADED	Jun 9, 2025 10:52 AM	00149173	2012 FORD F-350
004075	DIESEL	Sep 22, 2025 7:44 AM	9288	2020 Pierce Velocity
004075	MID-GRADE	Feb 16, 2025 7:20 AM	00003015	2020 Pierce Velocity
004743	DIESEL	Sep 29, 2025 8:44 PM	9422	2015 FORD F-450
004743	UNLEADED	May 1, 2025 4:19 PM	6928	2015 FORD F-450
006809	DIESEL	Sep 19, 2025 6:46 PM	9266	2013 FORD AMBULAN
006809	UNLEADED	Aug 2, 2025 11:07 AM	00047889	2013 FORD AMBULAN
006862	DIESEL	Sep 27, 2025 10:40 AM	00774515	2011 FORD F-350
006862	UNLEADED	Aug 26, 2025 9:23 AM	00728102	2011 FORD F-350
422400	DIESEL	Sep 19, 2025 3:07 AM	00055405	2020 Ford F-350
422400	UNLEADED	May 21, 2025 12:12 PM	7266	2020 Ford F-350

## Mismatch VIN Fuel Type

The fuel type specified in the decoded VIN does not match the fuel used in the vehicle. This may indicate that the VIN is incorrect, a different engine is in the vehicle, or that there is

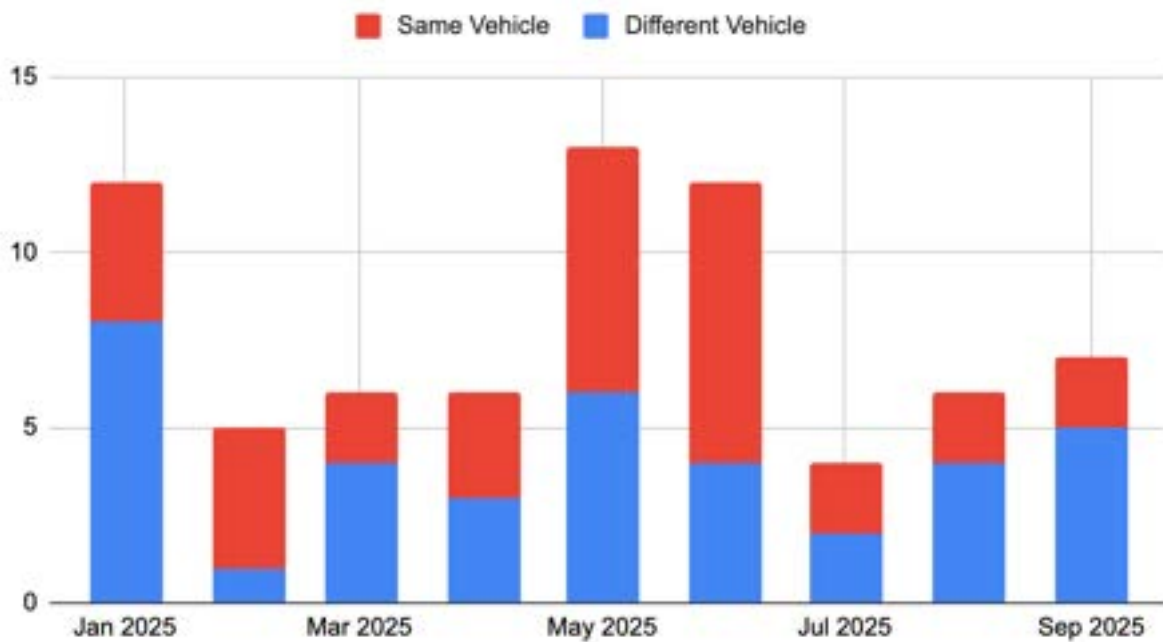
equipment/containers being fueled. In some cases, a VIN is created for an incomplete vehicle that another manufacturer completes.

VIN	Veh Description	VIN Fuel Type	Fueled	Latest Transaction
1FDBF2B6XHEC81223	2017 FORD F250	Gasoline	DIESEL	May 24, 2025 9:57 AM
1FDXF47P24EA38406	2004 FORD F-450	Gasoline	DIESEL	Sep 25, 2025 8:58 AM
1FTRF3B63KEF18764	2019 Ford F350	Gasoline	DIESEL	Jun 18, 2025 12:01 PM
1FTRF3B65KEF18765	2019 Ford F350	Gasoline	DIESEL	Jul 30, 2025 6:44 AM
1FDWF35578EC63353	2008 FORD F350 TR	Gasoline	DIESEL	Sep 11, 2025 12:53 PM
1FTFX1EF2DKG12798	2013 FORD F150	Gasoline	DIESEL	Jul 3, 2025 11:07 AM
1FDLE407VHB50346	1997 CUTAWAY AMBULANCE	Liquefied Petroleum Gas (propane or LPG)	DIESEL	Jul 1, 2025 10:58 AM

## Fuel In Quick Succession

We often see transactions where the same card is used to fuel the same vehicle, or multiple vehicles in quick succession, within 30 minutes of each fueling.

### Quick Succession Fuelings



When looking at the data, this doesn't appear to be tied to a specific card, such as a master card, or tied to specific vehicles, or a specific time frame such as a one-off occurrence. It's spread among 55 (32%) vehicles, and 30 (28%) cards.

## Triple Fueling Same Vehicle

The reports have three separate occasions where the same vehicle was fueled three times within 30 minutes from the last fueling.

Card	Date	Transaction	Vehicle	Gallons	Minutes
0032	May 13, 2025 4:43 PM	00030096	006298	1.00	
0032	May 13, 2025 4:45 PM	00030100	006298	1.00	2
0032	May 13, 2025 4:49 PM	00030107	006298	13.73	4
0051	Feb 23, 2025 1:14 PM	00467380	217658	0.10	
0051	Feb 23, 2025 1:15 PM	00467385	217658	0.02	1
0051	Feb 23, 2025 1:18 PM	00467391	217658	10.95	3
0109	Jun 20, 2025 8:10 PM	201043	000095	3.04	
0109	Jun 20, 2025 8:17 PM	201746	000095	0.02	7
0109	Jun 20, 2025 8:24 PM	0280503	000095	5.75	7

## Triple Fueling Different Vehicles

The reports have one occasion where the same card was used to fuel three separate vehicles within 30 minutes of each other.

Card	Date	Transaction	Vehicle	Gallons	Minutes
0004	Sep 3, 2025 1:17 PM	01201295	000601	22.46	
0004	Sep 3, 2025 1:45 PM	134530	000692	24.48	28
0004	Sep 3, 2025 1:57 PM	00155961	000773	10.67	12

## Double Fueling Same Vehicle

The reports of 28 vehicles that were fueled twice within 30 minutes. On March 19, card 0119 fueled the vehicle twice at the same time, which is highly suspicious.

Card	Date	Transaction	Vehicle	Gallons	Minutes
0002	Jul 3, 2025 11:00 AM	00298864	000751	16.81	
0002	Jul 3, 2025 11:07 AM	00298867	000751	48.85	7
0005	May 29, 2025 5:20 PM	172003	000377	0.11	
0005	May 29, 2025 5:35 PM	0019174	000377	15.36	15
0005	Jun 4, 2025 6:33 AM	00240405	000682	23.29	
0005	Jun 4, 2025 6:40 AM	00240406	000682	49.77	7
0012	Apr 1, 2025 10:15 PM	01262512	001269	7.61	
0012	Apr 1, 2025 10:18 PM	01262513	001269	1.04	3
0012	Apr 18, 2025 11:35 PM	00001102	001269	10.64	
0012	Apr 18, 2025 11:38 PM	00001102	001269	2.70	3

Card	Date	Transaction	Vehicle	Gallons	Minutes
0016	Jan 5, 2025 9:08 AM	00147418	002163	6.80	
0016	Jan 5, 2025 9:10 AM	00147419	002163	0.75	2
0025	Jan 4, 2025 2:37 PM	4660	004770	0.93	
0025	Jan 4, 2025 2:40 PM	4661	004770	11.84	3
0025	Jan 21, 2025 3:09 PM	4960	004770	1.79	
0025	Jan 21, 2025 3:13 PM	4961	004770	21.33	4
0026	Aug 25, 2025 7:59 AM	00230719	000604	27.28	
0026	Aug 25, 2025 8:03 AM	00230722	000604	1.40	4
0032	May 29, 2025 6:42 PM	00057309	006298	1.00	
0032	May 29, 2025 6:45 PM	00057311	006298	9.34	3
0032	Jul 24, 2025 5:22 AM	00022254	006298	1.00	
0032	Jul 24, 2025 5:25 AM	00022257	006298	9.09	3
0033	May 14, 2025 10:10 PM	00031927	006809	1.00	
0033	May 14, 2025 10:13 PM	00031929	006809	11.75	3
0039	Jun 24, 2025 4:03 PM	160326	008444	0.04	
0039	Jun 24, 2025 4:15 PM	0545210	008444	17.94	12
0047	Jan 23, 2025 8:25 AM	4986	021879	0.01	
0047	Jan 23, 2025 8:36 AM	00222617	021879	25.76	11
0050	Feb 20, 2025 10:01 AM	5503	422400	15.93	
0050	Feb 20, 2025 10:07 AM	5504	422400	0.83	6
0050	Apr 8, 2025 12:49 PM	6484	422400	1.17	
0050	Apr 8, 2025 12:59 PM	6485	422400	4.14	10
0050	May 21, 2025 12:07 PM	7265	422400	9.62	
0050	May 21, 2025 12:12 PM	7266	422400	1.75	5
0057	Jun 12, 2025 1:59 PM	135943	244630	1.56	
0057	Jun 12, 2025 2:11 PM	7598	244630	12.97	12
0059	Sep 7, 2025 10:00 AM	9057	005035	4.85	
0059	Sep 7, 2025 10:09 AM	9058	005035	22.30	9
0061	Mar 6, 2025 3:12 PM	5803	005037	1.64	
0061	Mar 6, 2025 3:29 PM	00169022	005037	14.93	17
0080	Jun 30, 2025 5:40 PM	174001	000025	0.20	
0080	Jun 30, 2025 5:53 PM	00046619	000025	9.40	13
0092	Feb 13, 2025 8:15 PM	201510	000014	3.41	
0092	Feb 13, 2025 8:19 PM	201907	000014	19.47	4
0096	Jun 19, 2025 11:39 PM	233944	000086	8.17	
0096	Jun 20, 2025 12:00 AM	000015	000086	10.59	21
0101	Jun 5, 2025 6:24 PM	182407	000060	2.27	
0101	Jun 5, 2025 6:42 PM	00276565	000060	19.46	18
0110	May 15, 2025 12:21 AM	00089065	000096	15.67	
0110	May 15, 2025 12:22 AM	002208	000096	11.37	1
0119	Mar 19, 2025 12:31 AM	00005144	990011	8.16	
0119	Mar 19, 2025 12:31 AM	003118	990011	6.01	0
0139	Aug 8, 2025 11:27 AM	112731	990046	0.69	
0139	Aug 8, 2025 11:36 AM	113616	990046	13.17	9
0140	Sep 16, 2025 7:54 PM	0301622	990053	11.59	
0140	Sep 16, 2025 8:12 PM	0301937	990053	14.83	18

## Immediately Fueling Different Vehicle

This report is only to show abnormalities. One explanation for fueling one vehicle after another is that someone may have been taking each car from a lot to get refueled. Another explanation is that two individuals may have been fueling two vehicles, and one individual paid for both vehicles while the other was busy, such as filling out paperwork or grabbing supplies.

Card	Date	Transaction	Vehicle	Gallons	Minutes
0001	Jan 18, 2025 4:10 PM	4903	000144	26.03	
0001	Jan 18, 2025 4:29 PM	00058371	000759	30.06	19
0001	Jan 21, 2025 7:52 AM	00053052	000680	10.90	
0001	Jan 21, 2025 7:53 AM	00197568	000002	17.38	1
0002	Mar 20, 2025 10:54 AM	105431	000003	17.43	
0002	Mar 20, 2025 10:59 AM	00007251	000102	14.46	5
0002	Mar 27, 2025 12:00 PM	00511293	234850	7.79	
0002	Mar 27, 2025 12:09 PM	00248107	000751	29.73	9
0002	Apr 4, 2025 10:12 AM	00276777	000502	45.58	
0002	Apr 4, 2025 10:30 AM	00007426	000431	20.33	18
0002	Apr 30, 2025 12:21 PM	00256737	000102	17.15	
0002	Apr 30, 2025 12:28 PM	6897	000304	10.95	7
0002	Jun 2, 2025 12:29 PM	122925	000201	8.34	
0002	Jun 2, 2025 12:35 PM	123541	000003	17.99	6
0002	Jul 11, 2025 12:03 PM	00039932	234850	12.01	
0002	Jul 11, 2025 12:10 PM	00063618	000751	25.00	7
0002	Sep 15, 2025 8:47 AM	00049274	000201	10.68	
0002	Sep 15, 2025 9:02 AM	00223557	000502	19.03	15
0004	Jan 16, 2025 9:21 AM	00233750	000601	18.95	
0004	Jan 16, 2025 9:41 AM	00046726	000773	13.35	20
0004	Aug 5, 2025 6:40 AM	00237614	000601	15.79	
0004	Aug 5, 2025 7:00 AM	00237619	000766	23.57	20
0005	Jan 5, 2025 2:34 PM	4675	000377	9.78	
0005	Jan 5, 2025 3:01 PM	00163612	000693	19.28	27
0005	Jan 6, 2025 3:36 PM	0182352	000377	7.89	
0005	Jan 6, 2025 3:43 PM	154326	000693	19.63	7
0005	Jan 16, 2025 9:41 AM	094130	000774	12.52	
0005	Jan 16, 2025 9:59 AM	0219436	000204	10.17	18
0005	Mar 6, 2025 9:46 AM	00001450	000774	13.29	
0005	Mar 6, 2025 10:06 AM	100600	000006	11.58	20
0005	Mar 20, 2025 1:57 PM	0456624	000774	7.41	
0005	Mar 20, 2025 2:12 PM	141227	000204	13.14	15
0005	Apr 11, 2025 1:20 PM	20490028	000204	7.58	
0005	Apr 11, 2025 1:32 PM	133217	000377	14.83	12
0005	Aug 19, 2025 5:51 AM	00229360	000693	28.69	
0005	Aug 19, 2025 6:18 AM	00229367	000682	19.81	27
0005	Aug 27, 2025 11:05 AM	00240628	000006	12.39	
0005	Aug 27, 2025 11:13 AM	13300028	000204	15.01	8
0005	Sep 11, 2025 3:31 PM	153119	000693	17.39	
0005	Sep 11, 2025 3:48 PM	00042524	000204	8.21	17
0007	May 23, 2025 3:01 PM	0773788	000770	17.69	

Card	Date	Transaction	Vehicle	Gallons	Minutes
0007	May 23, 2025 3:22 PM	00589749	000872	15.28	21
0016	Jan 2, 2025 9:14 AM	00027948	000023	5.13	
0016	Jan 2, 2025 9:36 AM	093607	000625	0.39	22
0020	May 16, 2025 5:24 PM	00637566	000032	11.52	
0020	May 16, 2025 5:42 PM	7181	004320	13.74	18
0059	May 19, 2025 8:03 PM	00220116	000074	8.42	
0059	May 19, 2025 8:22 PM	7233	005035	10.48	19
0059	Jun 25, 2025 5:31 PM	00262895	005035	21.58	
0059	Jun 25, 2025 5:57 PM	175731	000074	10.18	26
0060	Jan 13, 2025 3:24 PM	00043105	005036	10.11	
0060	Jan 13, 2025 3:48 PM	00153582	000075	8.68	24
0060	Feb 26, 2025 5:36 PM	00170820	000075	13.25	
0060	Feb 26, 2025 5:52 PM	00038766	005036	11.00	16
0060	May 4, 2025 4:24 PM	00151767	000075	15.10	
0060	May 4, 2025 4:34 PM	00014984	005036	13.36	10
0060	May 29, 2025 2:45 PM	00163520	000075	12.48	
0060	May 29, 2025 2:59 PM	01295311	005036	9.01	14
0060	Jun 24, 2025 9:26 PM	00157815	000075	9.38	
0060	Jun 24, 2025 9:51 PM	215157	005036	13.00	25
0060	Jun 26, 2025 8:49 PM	00017336	005036	23.20	
0060	Jun 26, 2025 8:52 PM	00166831	000075	8.51	3
0060	Jul 30, 2025 6:11 PM	01318886	005036	14.16	
0060	Jul 30, 2025 6:12 PM	00162214	000075	15.97	1
0060	Aug 11, 2025 4:41 PM	01210808	005036	10.05	
0060	Aug 11, 2025 4:42 PM	00145598	000075	12.51	1
0060	Sep 11, 2025 11:23 AM	00150227	000075	14.00	
0060	Sep 11, 2025 11:44 AM	01164925	005036	12.78	21
0062	May 16, 2025 3:27 PM	7179	006683	27.78	
0062	May 16, 2025 3:38 PM	00180129	000077	5.27	11

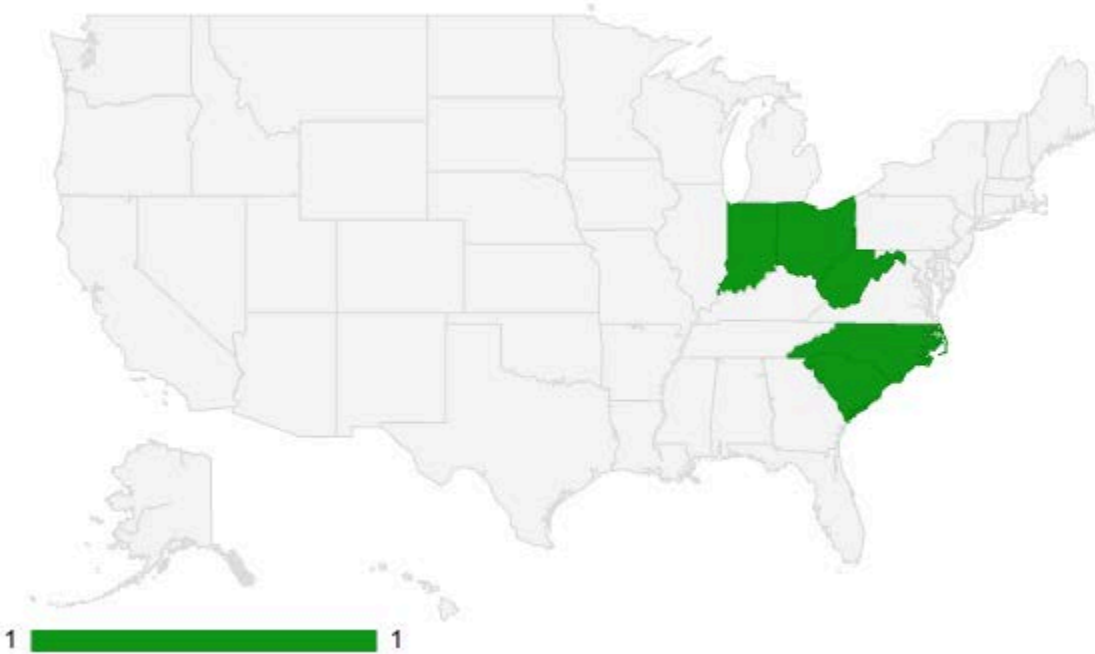
## Return to Pump

Vehicles that traveled five miles or less before refueling.

Vehicle Id	Date	Transaction	Gallons	Odometer	Prior Odometer	Miles Traveled
128308	Sep 6, 2025 3:51 PM	0089920	19.78	101	100	1
000377	May 29, 2025 5:35 PM	0019174	15.36	94,307	94,306	1
217658	Sep 8, 2025 11:09 PM	230956	16.50	109,105	109,101	4
006298	Mar 22, 2025 10:01 PM	00005496	8.97	72,103	72,102	1
006298	May 13, 2025 4:45 PM	00030100	1.00	73,961	73,960	1
002163	Mar 11, 2025 11:38 AM	00167416	1.03	17,539	17,535	4
000072	Jan 7, 2025 6:28 AM	00407906	11.13	101,357	101,355	2
000072	May 7, 2025 3:24 PM	152448	12.45	104,040	104,036	4
000025	Jun 30, 2025 5:53 PM	00046619	9.40	106,206	106,204	2
000095	Jun 20, 2025 8:24 PM	0280503	5.75	63,141	63,140	1
990046	Aug 8, 2025 11:36 AM	113616	13.17	1,874	1,873	1
000075	Aug 19, 2025 2:44 PM	00142297	9.09	155,885	155,881	4

Vehicle Id	Date	Transaction	Gallons	Miles Traveled
128308	Sep 6, 2025 3:51 PM	0089920	19.78	1
000377	May 29, 2025 5:35 PM	0019174	15.36	1
217658	Sep 8, 2025 11:09 PM	230956	16.50	4
006298	Mar 22, 2025 10:01 PM	00005496	8.97	1
006298	May 13, 2025 4:45 PM	00030100	1.00	1
002163	Mar 11, 2025 11:38 AM	00167416	1.03	4
000072	Jan 7, 2025 6:28 AM	00407906	11.13	2
000072	May 7, 2025 3:24 PM	152448	12.45	4
000025	Jun 30, 2025 5:53 PM	00046619	9.40	2
000095	Jun 20, 2025 8:24 PM	0280503	5.75	1
990046	Aug 8, 2025 11:36 AM	113616	13.17	1
000075	Aug 19, 2025 2:44 PM	00142297	9.09	4

## Out of State Fuel



Agency	Vehicle Id	Date	Merchant	Merchange Address
WCF&R	005582	Apr 7, 2025 9:29 AM	Penske Auto Cen	6 CABELA DRIVE TRIADELPHIA, WV 260591000
WCF&R	005582	Apr 7, 2025 5:54 PM	Retail	2640 N 600 W GREENFIELD, IN 461400000

WCF&R	005582	Apr 10, 2025 4:54 PM	Retail	2068 E HADLEY PLAINFIELD, IN 461687483
WCF&R	005582	Apr 12, 2025 11:57 AM	WEX_Island-Card	66190 HENRYSBURG-FREEPOR BARNESVILLE, OH 437130000
WCF&R	005582	Apr 12, 2025 9:34 AM	Shell - Equiva	7789 BRANDT PIKE DAYTON, OH 454242347
WCF&R	244630	May 4, 2025 1:25 PM	Penske Auto Cen	5715 HAMMONDS MILL RD. MARTINSBURG, WV 254046446
WCSO	990040	Sep 7, 2025 8:39 AM	Retail	3405 NC 242 N BENSON, NC 275047846
WCSO	990040	Sep 12, 2025 12:15 PM	MOBIL	2941 MONTAGUE AVE NORTH CHARLESTO, SC 294180000
WCSO	990040	Sep 12, 2025 3:17 PM	Citgo	309 US HIGHWAY 70 E SELMA, NC 275760000

## Prices

### Original Markup

On six occasions, the cost to the county was greater than the original cost - even with federal and state tax subtractions. One occurred in July, and the rest in May. Penske Auto Center had four of the transactions, and Citgo had the other two. An oddity is that the Penske charges were all for exactly one gallon.

Date	Transaction	Gallons	Original Cost	- Fed	- State	Cost	Oil Price Information Service	Price Per Gallon	Merchant
May 12, 2025 11:08 PM	230843	14.27	\$40.80	\$2.61	\$4.40	\$42.90	\$2.62	\$3.01	Citgo
May 13, 2025 4:45 PM	00030100	1.00	\$2.63	\$0.24	\$0.32	\$2.87	\$2.19	\$2.87	Penske Auto Cen
May 14, 2025 10:10 PM	00031927	1.00	\$1.63	\$0.24	\$0.32	\$2.93	\$2.24	\$2.93	Penske Auto Cen
May 29, 2025 9:33 AM	093356	13.38	\$38.80	\$2.45	\$4.12	\$39.62	\$2.58	\$2.96	Citgo
May 29, 2025 6:42 PM	00057309	1.00	\$1.95	\$0.24	\$0.32	\$2.82	\$2.13	\$2.82	Penske Auto Cen
Jul 24, 2025 5:22 AM	00022254	1.00	\$2.42	\$0.24	\$0.33	\$3.09	\$2.49	\$3.09	Penske Auto Cen

### Abnormal OPIS PPU Delta

The overall cost per gallon, reported as PPU (Price Per Unit), has a consistent markup based on the Oil Price Index Service (OPIS). For Mid-Grade fuel, this is usually \$0.45-\$0.46 per gallon. On three occasions, the markup was only \$0.40 cents, which is closer to regular unleaded fuel (\$0.41-\$0.42).

Date	Transaction	Gallons	Original	Cost	OPIS	PPU	Diff
Feb 12, 2025 4:12 PM	00147904	11.72	\$39.37	\$32.74	\$2.35	\$2.79	\$0.45
Feb 15, 2025 9:13 AM	00002964	0.44	\$1.52	\$1.22	\$2.32	\$2.77	\$0.46
Feb 16, 2025 7:20 AM	00003015	2.32	\$8.01	\$6.41	\$2.32	\$2.76	\$0.45
Mar 14, 2025 2:08 PM	140816	5.81	\$18.19	\$15.65	\$2.25	\$2.69	\$0.45

Date	Transaction	Gallons	Original	Cost	OPIS	PPU	Diff
Apr 12, 2025 9:24 AM	092458	13.12	\$43.95	\$34.13	\$2.15	\$2.60	\$0.45
Apr 18, 2025 11:38 PM	00001102	2.70	\$10.17	\$7.20	\$2.27	\$2.67	\$0.40
May 13, 2025 9:11 PM	211106	13.81	\$44.60	\$37.13	\$2.29	\$2.69	\$0.40
May 21, 2025 9:03 AM	090321	22.29	\$81.37	\$59.75	\$2.28	\$2.68	\$0.40
Jun 18, 2025 3:28 PM	00013734	7.22	\$26.02	\$20.43	\$2.38	\$2.83	\$0.45
Jul 8, 2025 8:37 PM	00061338	15.96	\$52.03	\$43.72	\$2.29	\$2.74	\$0.45
Aug 8, 2025 7:46 AM	0471631	15.38	\$52.31	\$41.22	\$2.23	\$2.68	\$0.45
Aug 12, 2025 5:43 AM	00149160	25.60	\$83.18	\$68.51	\$2.23	\$2.68	\$0.45
Aug 21, 2025 4:19 PM	00157084	8.09	\$29.15	\$22.14	\$2.29	\$2.74	\$0.45
Aug 28, 2025 9:55 AM	00017228	15.46	\$50.41	\$42.37	\$2.29	\$2.74	\$0.45
Sep 5, 2025 12:59 PM	00017742	22.47	\$78.65	\$63.56	\$2.36	\$2.83	\$0.47

## Missing deductions

Only 65 transactions consolidate when comparing the original cost to the cost, federal and state tax subtractions. The amount charged to the county seems to be closely tied to the Oil Price Service Index (OPIS), and the number of gallons purchased. A markup between \$0.40 and \$0.50 per gallon is based on the product type. This indicates that there is an additional field that is not provided to the reports that offsets the federal and state deductions. Differences from consolidated costs range from -\$1.86 to \$1.00 per gallon. The following table displays the far ends of the spectrum.

Date	Trans Gal	Orig. Cost	Fed	State	Cost	OPIS	PPU	Consolidate	Diff	Diff/Unit	
Jan 16, 2025 11:04 AM	110443	11.89	\$38.76	\$2.89	\$3.78	\$38.02	\$2.60	\$3.20	\$44.69	-\$5.93	-\$0.50
Feb 23, 2025 1:15 PM	00467385	0.02	\$0.09	\$0.00	\$0.01	\$0.06	\$2.54	\$3.00	\$0.07	\$0.02	\$1.00
Mar 11, 2025 11:53 AM	5895	7.79	\$30.38	\$1.89	\$2.48	\$21.13	\$2.23	\$2.71	\$25.50	\$4.88	\$0.63
Mar 11, 2025 1:31 PM	5896	22.33	\$87.06	\$5.43	\$7.10	\$60.56	\$2.23	\$2.71	\$73.09	\$13.97	\$0.63
Mar 23, 2025 1:23 PM	00029386	15.92	\$57.31	\$2.91	\$4.90	\$39.15	\$2.04	\$2.46	\$46.96	\$10.35	\$0.65
May 12, 2025 11:08 PM	230843	14.27	\$40.80	\$2.61	\$4.40	\$42.90	\$2.62	\$3.01	\$49.91	-\$9.11	-\$0.64
May 13, 2025 4:45 PM	00030100	1.00	\$2.63	\$0.24	\$0.32	\$2.87	\$2.19	\$2.87	\$3.43	-\$0.80	-\$0.80
May 14, 2025 10:10 PM	00031927	1.00	\$1.63	\$0.24	\$0.32	\$2.93	\$2.24	\$2.93	\$3.49	-\$1.86	-\$1.86
May 29, 2025 9:33 AM	093356	13.38	\$38.80	\$2.45	\$4.12	\$39.62	\$2.58	\$2.96	\$46.19	-\$7.39	-\$0.55
May 29, 2025 6:42 PM	00057309	1.00	\$1.95	\$0.24	\$0.32	\$2.82	\$2.13	\$2.82	\$3.38	-\$1.43	-\$1.43
Jun 15, 2025 11:07 AM	00031264	13.63	\$49.08	\$2.49	\$4.20	\$32.43	\$2.01	\$2.38	\$39.12	\$9.96	\$0.73
Jun 17, 2025 11:54 AM	115428	9.28	\$40.85	\$2.26	\$2.95	\$29.58	\$2.44	\$3.19	\$34.79	\$6.06	\$0.65
Jun 24, 2025 4:03 PM	160326	0.04	\$0.16	\$0.01	\$0.01	\$0.10	\$2.02	\$2.50	\$0.12	\$0.04	\$1.00
Jul 24, 2025 5:22 AM	00022254	1.00	\$2.42	\$0.24	\$0.33	\$3.09	\$2.49	\$3.09	\$3.66	-\$1.24	-\$1.24

## VIN

### Mismatched Year

The vehicle description often specifies a year, make, and model. Two-digit years are not ideal, but are understandable. However, in many cases, the four digit year and two-digit suffix do not

match. Being off by only one year may not be an issue, as many new vehicles are advertised as the next year's model when sold.

VIN	Veh Description	VIN Year	VIN Desc
1FM5K8B8EGB25405	2014 FORD EXPLORE	2016	2016 FORD Explorer
4P1CT02E42A002058	2022 PIERCE QUANTUM PUMPER	2002	2002 PIERCE MANUFACTURING Tilt Cab
1FTEW1EB5LB70246	2020 Ford F-150	1990	1990 FORD
1FUDF4HT06EA04743	2015 FORD F-450	2006	2006 FREIGHTLINER Coronado
1FDUF4HT2EEB20345	2013 Ford F-450	2014	2014 FORD F-450
1FVACYBS0LDBM3219	2012 FREIGHTLINER	2020	2020 FREIGHTLINER M2
1FV2JLCB3H985432	1999 FEIGHTLINER	2017	2017 FREIGHTLINER
4P1CT02U4VA000144	1996 PIERCE SABER	1997	1997 PIERCE MANUFACTURING Tilt Cab
1FTHF32M9JNB58876	1998 FORD F-350	1988	1988 FORD
1K9AF4285AN058839	2009 KME PREDATOR	2010	2010 KOVATCH MOBILE EQUIPMENT Kovatch Mobile Equipment
1FDXF47P35EE06298	2004 FORD AMBULAN	2005	2005 FORD F-450
3C7WR7AJ9NG246396	Brush 8	2022	2022 RAM 3500
1FMZU72K83UB17997	2009 FORD EXPLORER	2003	2003 FORD Explorer
1FDUF5HT0JEC64654	18 F550 DUMPTRUCK	2018	2018 FORD F-550
1GC3KYCG3GZ217305	16 CHEV SILVERADO	2016	2016 CHEVROLET Silverado
1FAHP58274A143924	06 FORD STN WGN	2004	2004 FORD Taurus
1FAHP58274A143924	2006 FORD TAURUS	2004	2004 FORD Taurus
1FDLE407VHB50346	1997 CUTAWAY AMBULANCE	1987	1987 FORD
3N1CP5BV7LL506868	2019 Nissan Kicks	2020	2020 NISSAN Kicks
1J4FF8S01L594556	2001 Jeep Cherokee	2020	2020 JEEP
2C3CDXAG3KH547482	19 DODGE CHARGER	2019	2019 DODGE Charger
2C3CDXAG1KH548730	19 DODGE CHARGER	2019	2019 DODGE Charger
2C3CDXAG1KH547481	19 DODGE CHARGER	2019	2019 DODGE Charger
2C3CDXKT8KH535873	19 DODGE CHARGER	2019	2019 DODGE Charger
2C3CDXKT6KH535872	19 DODGE CHARGER	2019	2019 DODGE Charger
2C3CDXAG7KH547484	19 DODGE CHARGER	2019	2019 DODGE Charger
1C4SDJFT4KC631856	19 DODGE CHARGER	2019	2019 DODGE Durango
1C4SDJFT6KC631860	19 DODGE CHARGER	2019	2019 DODGE Durango

## Mismatched Make

The vehicle description often specifies a year, make, and model. Some of the make's have names that are more common than what the VIN decodes as the full name. However, some appear incorrect, such as specifying a Ford instead of a Freightliner.

VIN	Veh Description	VIN Make	VIN Desc
4P1CT02E42A002058	2022 PIERCE QUANTUM PUMPER	PIERCE MANUFACTURING	2002 PIERCE MANUFACTURING Tilt Cab
5SXHBZDF3CR1A1103	2012 SMEAL LADDER	AMERICAN LAFRANCE	2012 AMERICAN LAFRANCE Sentron
4S7AT2D93FC080304	2015 SMEAL SPARTA	SPARTAN MOTORS CHASSIS	2015 SPARTAN MOTORS CHASSIS Gladiator
1FUDF4HT06EA04743	2015 FORD F-450	FREIGHTLINER	2006 FREIGHTLINER Coronado
1FV2JLCB3H985432	1999 FEIGHTLINER	FREIGHTLINER	2017 FREIGHTLINER

VIN	Veh Description	VIN Make	VIN Desc
4P1CT02U4VA000144	1996 PIERCE SABER	PIERCE MANUFACTURING	1997 PIERCE MANUFACTURING Tilt Cab
4P1BAAGFORAO26683	2024 Pierce Enforcer	PIERCE MANUFACTURING	2024 PIERCE MANUFACTURING Pumper
4S7AT3892XC028390	1999 SMEAL SPARTA	SPARTAN MOTORS CHASSIS	1999 SPARTAN MOTORS CHASSIS Gladiator
1K9AF4285AN058839	2009 KME PREDATOR	KOVATCH MOBILE EQUIPMENT	2010 KOVATCH MOBILE EQUIPMENT Kovatch Mobile Equipment
2NPNHD8X74M833044	2004 PETERBUILT T	PETERBILT	2004 PETERBILT 330
4S7HU2DOO6C054320	2006 SMEAL TANKER	SPARTAN MOTORS CHASSIS	2006 SPARTAN MOTORS CHASSIS Advantage
4P1BAAGF4LA021879	2020 Pierce Enforcer Engine	PIERCE MANUFACTURING	2020 PIERCE MANUFACTURING Pumper
4P1BBAGF9LA021938	2020 Pierce Velocity	PIERCE MANUFACTURING	2020 PIERCE MANUFACTURING Rescue
1F9E828T3VCST2092	1997 Sea Graves Fire Truck	SEAGRAVE	1997 SEAGRAVE Pumper
3C7WRTAJ9NG246396	Brush 8	RAM	2022 RAM 3500
1GNFK030X7R389419	2007 Chevy Tahoe	CHEVROLET	2007 CHEVROLET Tahoe
1HTSCAAN2VH485253	1997 INTERNATIONA	INTERNATIONAL	1997 INTERNATIONAL 4700
1GNEK13Z25J178680	2005 CHEV TAHOE	CHEVROLET	2005 CHEVROLET Tahoe
1G83KYC67JZ183509	2018 CHEV SILVERA	SATURN	2018 SATURN
1FDUF5HT0JEC64654	18 F550 DUMPTRUCK	FORD	2018 FORD F-550
1FDUF5HT2KDA08846	2019 F550 DUMP	FORD	2019 FORD F-550
1GNSKFEC2GR302508	2016 Chevy Tahoe	CHEVROLET	2016 CHEVROLET Tahoe
1GC3KYCG3GZ217305	16 CHEV SILVERADO	CHEVROLET	2016 CHEVROLET Silverado
1GNSK2E02BR265404	2011 CHEVY TAHOE	CHEVROLET	2011 CHEVROLET Tahoe
1GNEK13Z46R138264	2006 CHEV TAHOE	CHEVROLET	2006 CHEVROLET Tahoe
1GNEK13Z74J298702	2004 CHEVY TAHOE	CHEVROLET	2004 CHEVROLET Tahoe
1GCDT148048137879	2004 Chevy Colorado 2DR PU	CHEVROLET	2004 CHEVROLET Colorado
1FDLE407VHB50346	1997 CUTAWAY AMBULANCE	FORD	1987 FORD

## Missing / Mismatched Model

In some cases, the vehicle description has part of the model number, or misspelled.

VIN	Veh Description	VIN Model	VIN Desc
1GCDT19E688174942	2008 CHEVROLET CO	Colorado	2008 CHEVROLET Colorado
1FM5K8B8EGB25405	2014 FORD EXPLORE	Explorer	2016 FORD Explorer
1FMZU34X9WUB36614	1998 FORD EXPLORE	Explorer	1998 FORD Explorer
1FM5K8B80FGC27329	2015 FORD EXPLORE	Explorer	2015 FORD Explorer
4P1CT02E42A002058	2022 PIERCE QUANTUM PUMPER	Tilt Cab	2002 PIERCE MANUFACTURING Tilt Cab
1GNSK2E02CR320872	2012 CHEVROLET TA	Tahoe	2012 CHEVROLET Tahoe
5SXHBZDF3CR1A1103	2012 SMEAL LADDER	Sentron	2012 AMERICAN LAFRANCE Sentron
1FDUF4HT1DEB36809	2013 FORD AMBULAN	F-450	2013 FORD F-450
1GNFK16Z42J118444	2002 CHEVROLET SU	Suburban	2002 CHEVROLET Suburban
1FV68HD86WH930898	1998 FREIGHTLINER	FL106	1998 FREIGHTLINER FL106
4S7AT2D93FC080304	2015 SMEAL SPARTA	Gladiator	2015 SPARTAN MOTORS CHASSIS Gladiator
1FUDF4HT06EA04743	2015 FORD F-450	Coronado	2006 FREIGHTLINER Coronado
1FVACYBS0LDBM3219	2012 FREIGHTLINER	M2	2020 FREIGHTLINER M2

VIN	Veh Description	VIN Model	VIN Desc
1GNSKDEC9JR300377	2018 CHEVROLET TA	Tahoe	2018 CHEVROLET Tahoe
1FDUF4HTXKDA00438	2019 Ford Ambulance	F-450	2019 FORD F-450
4P1CT02U4VA000144	1996 PIERCE SABER	Tilt Cab	1997 PIERCE MANUFACTURING Tilt Cab
1FDUF4HNOPECO7309	2023 Ford F4H5	F-450	2023 FORD F-450
1FDUF4HN9PECO7311	2023 Ford F4H5	F-450	2023 FORD F-450
1FDUF4HN7PEO7310	2023 Ford F4H5	F-450	2023 FORD F-450
4P1BAAGFORAO26683	2024 Pierce Enforcer	Pumper	2024 PIERCE MANUFACTURING Pumper
4S7AT3892XC028390	1999 SMEAL SPARTA	Gladiator	1999 SPARTAN MOTORS CHASSIS Gladiator
1K9AF4285AN058839	2009 KME PREDATOR	Kovatch Mobile Equipment	2010 KOVATCH MOBILE EQUIPMENT Kovatch Mobile Equipment
2NPNHD8X74M833044	2004 PETERBUILT T	330	2004 PETERBILT 330
1FDXF47P35EE06298	2004 FORD AMBULAN	F-450	2005 FORD F-450
4S7HU2DOO6C054320	2006 SMEAL TANKER	Advantage	2006 SPARTAN MOTORS CHASSIS Advantage
1FTWF31R08ED11269	2008 FORD BRUSH	F-350	2008 FORD F-350
3ALHC5FE5PDNV4991	2023 Freightliner FL 112	M2	2023 FREIGHTLINER M2
4P1BAAGF4LA021879	2020 Pierce Enforcer Engine	Pumper	2020 PIERCE MANUFACTURING Pumper
4P1BBAGF9LA021938	2020 Pierce Velocity	Rescue	2020 PIERCE MANUFACTURING Rescue
1F9E828T3VCST2092	1997 Sea Graves Fire Truck	Pumper	1997 SEAGRAVE Pumper
3C7WRTAJ9NG246396	Brush 8	3500	2022 RAM 3500
1GNLT13S462154310	2006 CHEVROLET BL	Trailblazer	2006 CHEVROLET Trailblazer
1HTSCAAN2VH485253	1997 INTERNATIONAL	4700	1997 INTERNATIONAL 4700
1FTRX14W35FB72812	2005 FORD PICKUP	F-150	2005 FORD F-150
1GBJK341X2F159082	2002 CHEVROLET TR	Silverado	2002 CHEVROLET Silverado
1FAHP58274A143924	06 FORD STN WGN	Taurus	2004 FORD Taurus
1FTRF12278KC55285	2008 FORD PICKUP	F-150	2008 FORD F-150
2D8HN44E79R638445	2009 Dodge Caravan	Grand Caravan	2009 DODGE Grand Caravan
1FM5K8B88DGB08120	2013 Ford Explr	Explorer	2013 FORD Explorer
1FM5K8B86HGC68051	2017 Ford Explr	Explorer	2017 FORD Explorer
5N1AZ2AS2PC104290	2023 Nissan Murano	Murano	2023 NISSAN Murano
1GAGG25U451139950	2005 CHEVROLET	Express	2005 CHEVROLET Express
1FDAF5HY1AEB38009	2010 FORD	F-550	2010 FORD F-550
1FAHP2M86DG132466	2013 FORD	Taurus	2013 FORD Taurus
1FAHP2M84DG132465	2013 FORD	Taurus	2013 FORD Taurus
2G1WA5E34E1174407	2014 CHEVROLET	Impala Limited	2014 CHEVROLET Impala Limited
1FM5K8AR5FGA94285	2015 FORD	Explorer	2015 FORD Explorer
1FTEX1EM5EK08661	2014 FORD	F-150	2014 FORD F-150
1GNLC2EC0FR513747	2015 CHEVROLET	Tahoe	2015 CHEVROLET Tahoe
2C3CDXKTXE360529	2014 DODGE	Charger	2014 DODGE Charger
1FAHP2MK3FG123237	2015 FORD	Taurus	2015 FORD Taurus
2C3CDXKT3EH364633	2014 DODGE	Charger	2014 DODGE Charger
2C3CDXKT9FH841616	2015 DODGE	Charger	2015 DODGE Charger
1FD7X2B65GEB55255	2016 FORD	F-250	2016 FORD F-250
1FM5K8AR8GGB65576	2016 FORD	Explorer	2016 FORD Explorer
2C3CDXKTXXGH348271	2016 DODGE	Charger	2016 DODGE Charger
2C3CDXKT1GH348272	2016 DODGE	Charger	2016 DODGE Charger
1FM5K8B84HGA44468	2017 FORD	Explorer	2017 FORD Explorer
2C3CDXKT1JH226065	2018 DODGE	Charger	2018 DODGE Charger
2C3CDXKTJH226064	2018 DODGE	Charger	2018 DODGE Charger
2C3CDXKT8JH226063	2018 DODGE	Charger	2018 DODGE Charger

VIN	Veh Description	VIN Model	VIN Desc
1FM5K8ARXHGE39684	2017 FORD	Explorer	2017 FORD Explorer
1C4RDJFG7LC371360	2020 DODGE	Durango	2020 DODGE Durango
1C4RDJFG0LC371359	2020 DODGE	Durango	2020 DODGE Durango
1C6RR7TT2KS713735	2019 DODGE RAM	1500	2019 RAM 1500
1GNFK130X7R199500	2007 CHEVROLET	Tahoe	2007 CHEVROLET Tahoe
2G1WB58K769309334	2006 CHEVROLET	Impala	2006 CHEVROLET Impala
1GNLC2E01BR222724	2011 CHEVROLET	Tahoe	2011 CHEVROLET Tahoe
2G1WA5EK2A1257500	2010 CHEVROLET	Impala	2010 CHEVROLET Impala
1GNLC2E04BR314278	2011 CHEVROLET	Tahoe	2011 CHEVROLET Tahoe
1GNSK3KC9FR304872	2015 CHEVROLET	Tahoe	2015 CHEVROLET Tahoe
1C4SDJFT4KC631856	19 DODGE CHARGER	Durango	2019 DODGE Durango
1C4SDJFT6KC631860	19 DODGE CHARGER	Durango	2019 DODGE Durango
1FM5K8B86HGA44472	2017 FORD	Explorer	2017 FORD Explorer
1C4RDJFG4LC346383	2020 DODGE	Durango	2020 DODGE Durango
1GNUKAE00AR177372	2010 CHEVROLET	Tahoe	2010 CHEVROLET Tahoe
1FM5K8AR8HGE30224	2017 FORD	Explorer	2017 FORD Explorer
1C4SDJFT3JC362215	2018 DODGE	Durango	2018 DODGE Durango
1FM5K8AR6GGB65575	2016 FORD	Explorer	2016 FORD Explorer
1C4SDJFT5JC362216	2018 DODGE	Durango	2018 DODGE Durango
1C4SDJFT7JC362217	2018 DODGE	Durango	2018 DODGE Durango
1GTZ7TCG6E1164223	2014 GMC	Savana	2014 GMC Savana

## Incomplete VIN

VIN's are now 17 characters in length. Most manufacturers switched over in 1981. The following VIN's appear to be incomplete, and are only 16 characters long.

VIN	Veh Description
1FM5K8B8EGB25405	2014 FORD EXPLORE
1FTEW1EB5LB70246	2020 Ford F-150
1FV2JLCB3H985432	1999 FEIGHTLINER
1FDUF4HN7PEO7310	2023 Ford F4H5
1FDLE407VHB50346	1997 CUTAWAY AMBULANCE
1J4FF8S01L594556	2001 Jeep Cherokee

## VIN Validation Errors

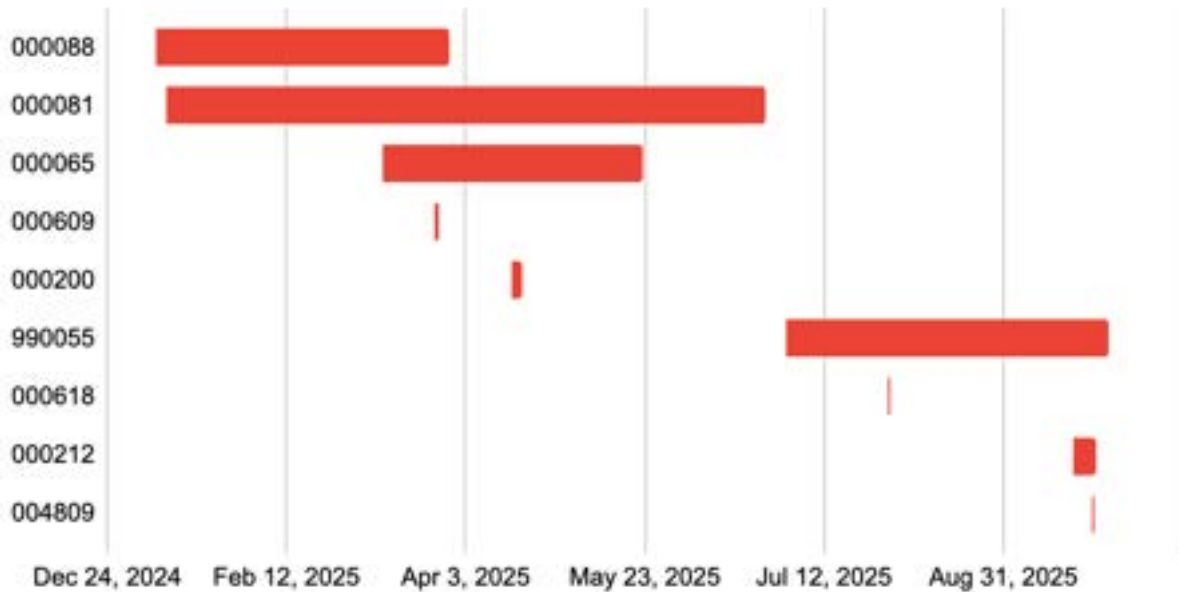
VIN	Message
<u>1GL</u> DT19E278236562	7 - Manufacturer is not registered with NHTSA for sale or importation in the U.S. for use on U.S roads; Please contact the manufacturer directly for more information
1FM5K8B8 <u>EGB</u> 25405	4 - VIN corrected, error in one position only (indicated by ! in Suggested VIN), multiple matches found; 6 - Incomplete VIN; 14 - Unable to provide information for some of the characters in the VIN, based on the manufacturer submission.; 400 - Invalid Characters Present
1FTEW1 <u>E</u> B5LB70246	4 - VIN corrected, error in one position only (indicated by ! in Suggested VIN), multiple matches found; 6 - Incomplete VIN; 14 - Unable to provide information for some of the characters in the VIN, based on the manufacturer submission.
5SXHBZD <u>F</u> 3CR1A1103	4 - VIN corrected, error in one position only (indicated by ! in Suggested VIN), multiple matches found; 14 - Unable to provide information for some of the characters in the VIN, based on the manufacturer submission.

VIN	Message
1FV68HD86WH930898	1 - Check Digit (9th position) does not calculate properly; 4 - VIN corrected, error in one position only (indicated by ! in Suggested VIN), multiple matches found; 14 - Unable to provide information for some of the characters in the VIN, based on the manufacturer submission.
1FUDF4HT06EA04743	1 - Check Digit (9th position) does not calculate properly; 5 - VIN has errors in few positions; 14 - Unable to provide information for some of the characters in the VIN, based on the manufacturer submission.
1FV2JLCB3H985432	4 - VIN corrected, error in one position only (indicated by ! in Suggested VIN), multiple matches found; 6 - Incomplete VIN; 14 - Unable to provide information for some of the characters in the VIN, based on the manufacturer submission.
1FDUF4HN0PEC07309	1 - Check Digit (9th position) does not calculate properly; 400 - Invalid Characters Present
1FDUF4HN9PEC07311	1 - Check Digit (9th position) does not calculate properly; 400 - Invalid Characters Present
1FDUF4HN7PE07310	6 - Incomplete VIN; 400 - Invalid Characters Present
4P1BAAGFQRAQ26683	1 - Check Digit (9th position) does not calculate properly; 400 - Invalid Characters Present
1FTHF32M9JNB58876	0 - VIN decoded clean. Check Digit (9th position) is correct; 14 - Unable to provide information for some of the characters in the VIN, based on the manufacturer submission.
457AW2F963C044770	1 - Check Digit (9th position) does not calculate properly; 7 - Manufacturer is not registered with NHTSA for sale or importation in the U.S. for use on U.S roads; Please contact the manufacturer directly for more information
1FDXF47P35EE06298	1 - Check Digit (9th position) does not calculate properly
4S7HU2D006C054320	1 - Check Digit (9th position) does not calculate properly; 4 - VIN corrected, error in one position only (indicated by ! in Suggested VIN), multiple matches found; 14 - Unable to provide information for some of the characters in the VIN, based on the manufacturer submission.; 400 - Invalid Characters Present
1G83KYC67JZ183509	1 - Check Digit (9th position) does not calculate properly; 8 - No detailed data available currently
1FDLE407YHB50346	6 - Incomplete VIN; 400 - Invalid Characters Present
1J4FF8S01L594556	6 - Incomplete VIN; 8 - No detailed data available currently

# Vehicles

## Missing/New Vehicle Fueling Activity

July 1 Threshold



The county has a few vehicles that haven't seen any fuel transactions prior to July. The three with the most transactions (000088, 000081, 000065) in that timeframe are from the sheriff's office. After July, we have one new vehicle (990055) for the sheriff's office with many transactions. DSS also has a new vehicle 000212 with multiple fuel transactions after July.

## Missing Vehicles

Latest transaction before July 1, 2025. The vehicles may be underutilized, in repair, decommissioned, or sold off.

Vehicle Id	Earliest	Latest	Agency
000065	Mar 10, 2025	May 21, 2025	WCSO
000081	Jan 9, 2025	Jun 24, 2025	WCSO
000088	Jan 6, 2025	Mar 28, 2025	WCSO
000200	Apr 15, 2025	Apr 17, 2025	DSS
000609	Mar 25, 2025	Mar 25, 2025	Parks & Rec

## New Vehicles

Earliest transaction on or after July 1, 2025. These may be newly acquired vehicles, just came out of repair, or have not been used for a long duration prior to last year.

Vehicle Id	Earliest	Latest	Agency
000212	Sep 19, 2025	Sep 24, 2025	DSS
000618	Jul 29, 2025	Jul 29, 2025	Parks & Rec
004809	Sep 24, 2025	Sep 24, 2025	WCF&R
990055	Jul 1, 2025	Sep 28, 2025	WCSO

## High Mileage

Vehicles with 150,000 miles or more may indicate a potential for cost savings to purchase a new vehicle based on maintenance costs, fuel efficiency, and increased availability vs maintenance time.

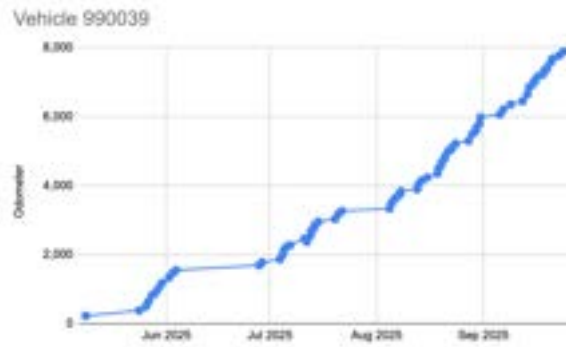
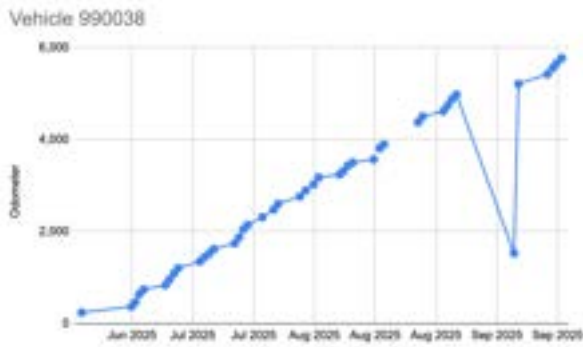
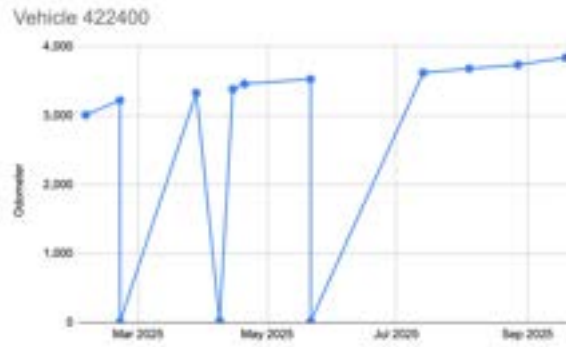
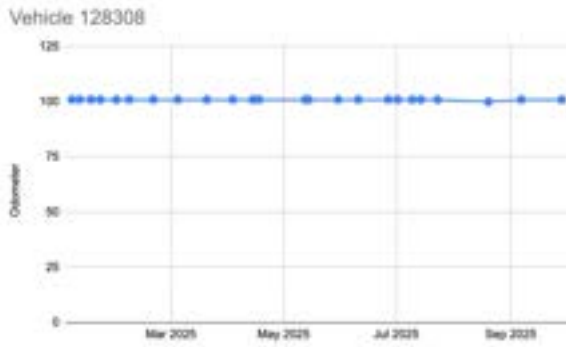
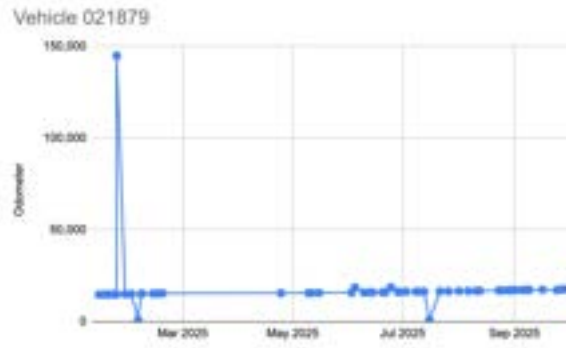
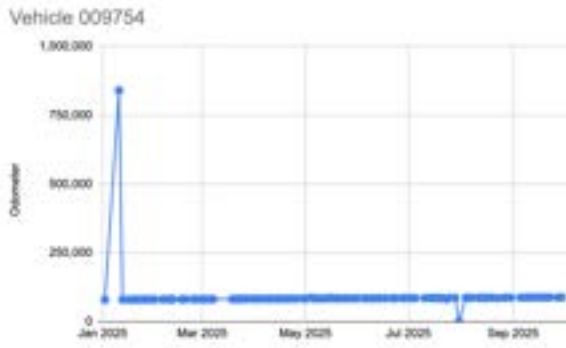
Vehicle	Agency	Odometer	Date
001634	WCF&R	331,095	Sep 20, 2025 10:04 AM
000774	Bldg Insp	248,591	Sep 25, 2025 9:33 AM
000630	P&R: Maint	229,517	Sep 25, 2025 6:16 AM
000775	Bldg Insp	228,875	Sep 25, 2025 5:23 PM
000773	Bldg Insp	207,265	Sep 26, 2025 9:26 AM
000628	P&R: Maint	198,184	Sep 29, 2025 8:50 AM
000614	P&R: Maint	182,433	Jul 23, 2025 6:59 AM
000102	Administration	178,874	Sep 23, 2025 6:19 AM
000003	WCSO	172,292	Sep 26, 2025 6:42 AM
000042	WCSO	170,930	Sep 25, 2025 2:57 PM
000618	P&R: Admin	169,878	Jul 29, 2025 4:00 PM
000430	Bldg & Grounds	167,437	Sep 16, 2025 10:50 AM
000634	Bldg & Grounds	166,468	Sep 18, 2025 11:03 AM
000200	DSS	160,015	Apr 17, 2025 4:09 PM
000075	WCSO	159,695	Sep 22, 2025 11:22 PM
000084	WCSO	159,180	Sep 25, 2025 7:15 AM
000073	WCSO	156,951	Sep 24, 2025 3:12 PM
000205	DSS	154,314	Sep 19, 2025 11:42 AM
000063	WCSO	154,209	Jul 19, 2025 3:46 PM

## Low Mileage

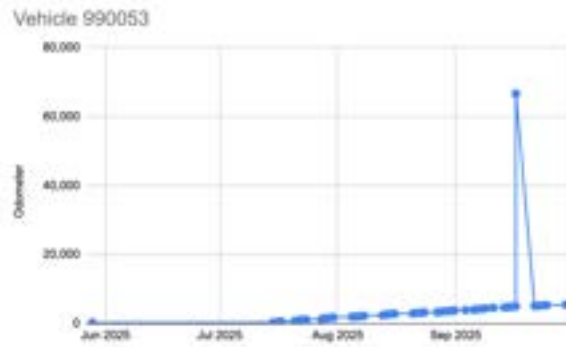
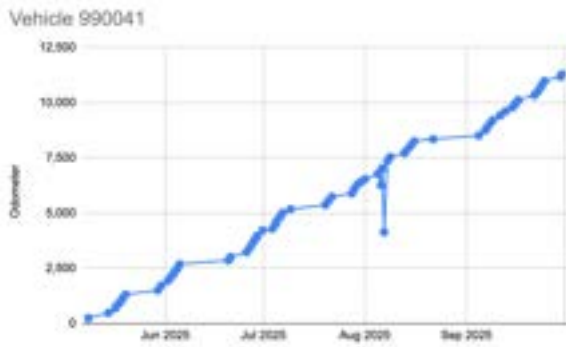
Low mileage may indicate a vehicle that has been recently acquired, or underutilized. The following vehicles have less than 1,000 miles.

Vehicle	Agency	Odometer	Date
000212	DSS	529	Sep 24, 2025 3:04 PM
128308	WCF&R	101	Sep 28, 2025 1:59 PM



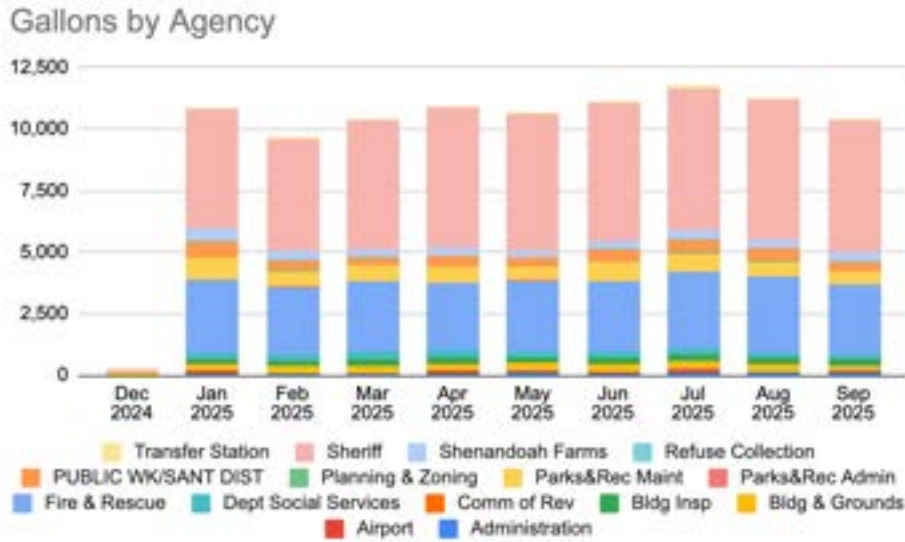


July 11, 2025 the Odometer rolls back 89 miles. It's not easily distinguishable on the following chart.

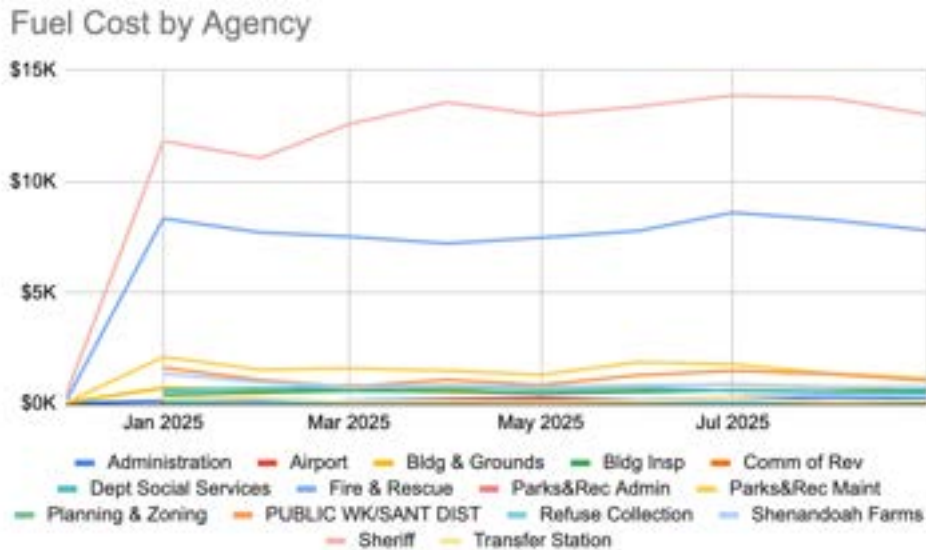


# Charts

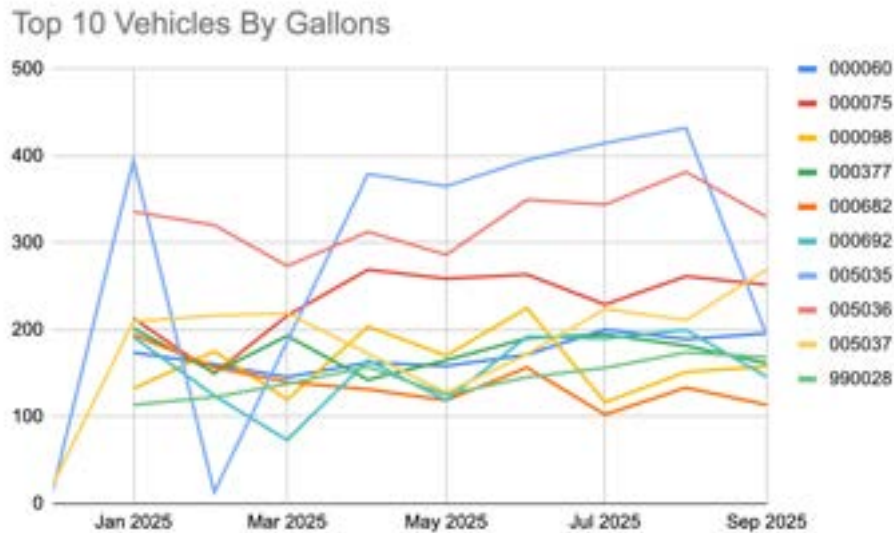
## Gallons By Agency



## Fuel Cost by Agency



## Top 10 Vehicles By Gallons



## Recommendations

- Provide tabled data to all committees, the board of supervisors, and public as spreadsheets, or a machine readable format that can be imported into spreadsheets.
- Train/test county staff and committee members on how to use spreadsheets - specifically how to use formulas, pivot tables, queries, conditional formatting, and charts.
- Setup automated alerts that notify county staff, agency point of contacts, and card holders immediately after an anomaly is detected in a transaction, to verify the data specified in the transaction, and for any details that may clarify why the data is accurate.
- Recalculate fields (MPG) after a data correction, such as an odometer reading.
- Create a monthly report for the audit/finance committee calling out the anomalies for them to review.
  - Create a similar report for the board of supervisors, along with explanations of the WCFAAC findings, as if corrective actions were taken, or if the data was found to be accurate - and why.
- Create an interactive website/page that displays data and charts for each vehicle, agency, fuel type, merchant, etc. so that the finance/audit committee, supervisors, and public can see how things change over time.
- Display the prior odometer reading with each transaction, and distance traveled
- Include missing fields that would help consolidate with Federal and State Tax subtractions, so that the original and final cost balance out.
- Verify each VIN number is valid when new vehicles are added to the system, and matches the information provided to you.
- Use a standard format in the Vehicle Description field (ie: Year Make Model)
- Research ways to automate tasks subject to human error.

- Research ways to identify errors and anomalies without depending on humans to find them on their own.
- Record and publish operating hours for each vehicle during each fuel transaction - specifically law enforcement, ambulances, and pump engines, as it adds additional wear. Vehicles may have what appears to be “normal” MPG, but have large amounts of idle fuel time which could potentially hide waste in which idle fuel logs could reveal.
- Include a person id, to determine if the same person is using multiple cards, or multiple people are sharing the same card. If timeclock data exists, add safeguards to ensure that the card and/or person is not using the card off the clock.
- Create a public-facing dashboard to view these reports, charts, data in real-time.

## Additional Checks to Consider

- Did the vehicle receive more fuel than it can carry?
- Did the vehicle travel at an unreasonable speed between fueling locations?
- Did the vehicle fuel while not on shift?
- Did the vehicle fuel during storm events or declared emergencies?
- Did the vehicle fuel on a weekend, holiday, or after hours?
- Create a monthly exposure report based on the anomalies of finances lost.
- Include maintenance periods for vehicles
  - Did the vehicle fuel while in maintenance?
  - Is the number of active vehicles meeting the minimum threshold for each agency?
  - Is the projected maintenance cost more than acquiring a replacement vehicle?