Federal Automotive Statistical Tool (FAST)

Using FAST Reports To Review Your Fleet Data Submission

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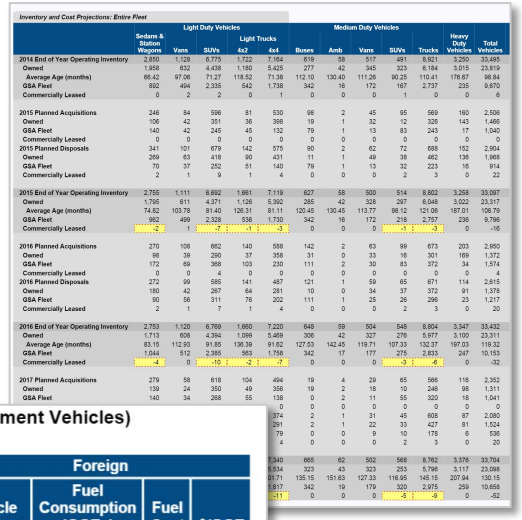
What will we cover?

- **Reviewing Your Data Submission**
- **Reviewing Compliance**
- **Other Reports & Tools**
- **What About Vehicle-level Data?**
- **Discussion / Q & A**

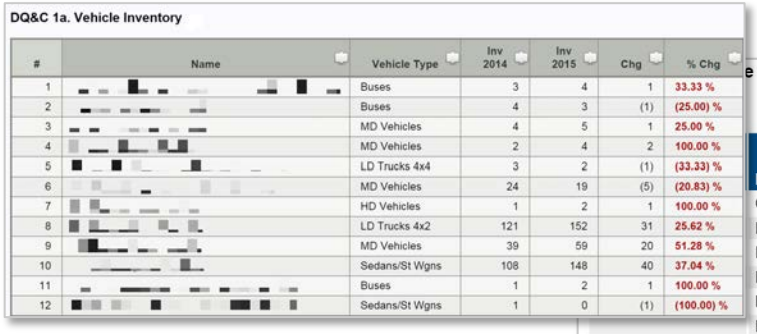
Reviewing Your Data Submission

- **Agency Data Call Summary (DCS) Report**
- **Data Quality & Consistency (DQ&C) Report**
- **Agency DQ&C / DCS Highlights Report**
- **Fleet Budget & Inventory Projections (AFBS)**



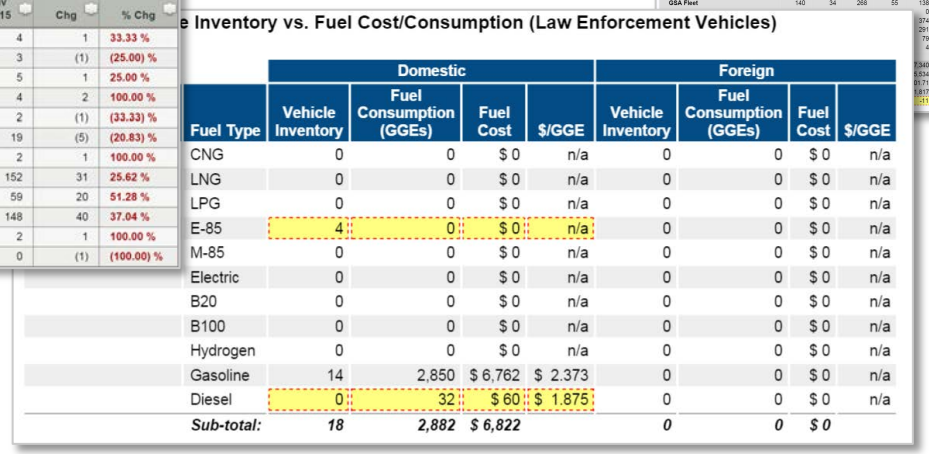
Inventory and Cost Projections: Entire Fleet

	Light Duty Vehicles					Medium Duty Vehicles						
				Light Trucks								
	Sedans & Station Wagons	Vans	SUVs	4x2	4x4	Buses	Amb	Vans	SUVs	Trucks	Heavy Duty Vehicles	Total Vehicles
2014 End of Year Operating Inventory	2,820	1,128	6,775	1,722	7,164	618	58	517	491	8,621	3,250	33,495
Owned	1,958	632	4,438	1,180	5,425	277	42	345	323	6,184	3,015	23,819
Average Age (months)	66.42	97.06	71.27	118.52	71.38	112.10	130.40	111.26	90.25	110.41	176.67	98.84
GSA Fleet	892	494	2,335	542	1,738	342	16	172	167	2,737	235	9,670
Commercially Leased	0	2	2	0	1	0	0	0	1	0	0	6
2015 Planned Acquisitions	246	84	596	81	530	98	2	45	95	569	160	2,506
Owned	106	42	351	36	398	19	1	32	12	326	143	1,466
GSA Fleet	140	42	245	45	132	79	1	13	83	243	17	1,040
Commercially Leased	0	0	0	0	0	0	0	0	0	0	0	0
2015 Planned Disposals	341	101	679	142	575	90	2	62	72	688	152	2,904
Owned	269	63	418	90	431	11	1	49	38	462	136	1,968
GSA Fleet	70	37	252	51	140	79	1	13	32	223	16	914
Commercially Leased	2	1	9	1	4	0	0	0	2	3	0	22
2015 End of Year Operating Inventory	2,755	1,111	6,692	1,661	7,119	627	58	500	514	8,802	3,258	33,097
Owned	1,795	611	4,371	1,126	5,392	285	42	328	297	6,048	3,022	23,317
Average Age (months)	74.82	103.78	81.40	126.31	81.11	120.45	130.45	113.77	98.12	121.06	187.01	108.79
GSA Fleet	962	499	2,328	536	1,730	342	16	172	218	2,757	236	9,796
Commercially Leased	-2	1	-7	-1	-3	0	0	0	-1	-3	0	-16
2016 Planned Acquisitions	270	108	662	140	588	142	2	63	99	673	203	2,950
Owned	98	39	290	37	358	31	0	33	16	301	169	1,372
GSA Fleet	172	69	368	103	230	111	2	30	83	372	34	1,574
Commercially Leased	0	0	4	0	0	0	0	0	0	0	0	4
2016 Planned Disposals	272	99	585	141	487	121	1	59	65	671	114	2,615
Owned	180	42	267	64	281	10	0	34	37	372	91	1,378
GSA Fleet	90	56	311	76	202	111	1	25	28	299	23	1,217
Commercially Leased	2	1	7	1	4	0	0	0	2	3	0	20
2016 End of Year Operating Inventory	2,753	1,120	6,769	1,660	7,220	648	59	504	548	8,804	3,347	33,432
Owned	1,713	608	4,394	1,099	5,469	306	42	327	276	5,977	3,100	23,311
Average Age (months)	83.15	112.93	91.85	136.39	91.62	127.53	142.45	119.71	107.33	132.37	197.03	119.32
GSA Fleet	1,044	512	2,385	563	1,758	342	17	177	275	2,833	247	10,153
Commercially Leased	-4	0	-10	-2	-7	0	0	0	-3	-6	0	-32
2017 Planned Acquisitions	279	58	618	104	494	19	4	29	65	566	116	2,352
Owned	139	24	350	49	356	19	2	18	10	246	98	1,311
GSA Fleet	140	34	268	55	138	0	2	11	55	320	18	1,041
					0	0	0	0	0	0	0	0
					374	2	1	31	45	608	87	2,080
					291	2	1	22	33	427	81	1,524
					79	0	0	9	10	178	6	536
					4	0	0	0	2	3	0	20
					7,340	665	62	502	568	8,762	3,376	33,704
					5,834	323	43	323	253	5,796	3,117	23,098
					01.71	135.15	151.63	127.33	116.95	145.15	207.94	130.15
					1,817	342	19	179	320	2,975	259	10,658
					-11	0	0	0	-2	-4	0	-52



DQ&C 1a. Vehicle Inventory

#	Name	Vehicle Type	Inv 2014	Inv 2015	Chg	% Chg
1		Buses	3	4	1	33.33 %
2		Buses	4	3	(1)	(25.00) %
3		MD Vehicles	4	5	1	25.00 %
4		MD Vehicles	2	4	2	100.00 %
5		LD Trucks 4x4	3	2	(1)	(33.33) %
6		MD Vehicles	24	19	(5)	(20.83) %
7		HD Vehicles	1	2	1	100.00 %
8		LD Trucks 4x2	121	152	31	25.62 %
9		MD Vehicles	39	59	20	51.28 %
10		Sedans/St Wgns	108	148	40	37.04 %
11		Buses	1	2	1	100.00 %
12		Sedans/St Wgns	1	0	(1)	(100.00) %



e Inventory vs. Fuel Cost/Consumption (Law Enforcement Vehicles)

	Domestic				Foreign			
Fuel Type	Vehicle Inventory	Fuel Consumption (GGEs)	Fuel Cost	$/GGE	Vehicle Inventory	Fuel Consumption (GGEs)	Fuel Cost	$/GGE
CNG	0	0	$ 0	n/a	0	0	$ 0	n/a
LNG	0	0	$ 0	n/a	0	0	$ 0	n/a
LPG	0	0	$ 0	n/a	0	0	$ 0	n/a
E-85	4	0	$ 0	n/a	0	0	$ 0	n/a
M-85	0	0	$ 0	n/a	0	0	$ 0	n/a
Electric	0	0	$ 0	n/a	0	0	$ 0	n/a
B20	0	0	$ 0	n/a	0	0	$ 0	n/a
B100	0	0	$ 0	n/a	0	0	$ 0	n/a
Hydrogen	0	0	$ 0	n/a	0	0	$ 0	n/a
Gasoline	14	2,850	$ 6,762	$ 2.373	0	0	$ 0	n/a
Diesel	0	32	$ 60	$ 1.875	0	0	$ 0	n/a
Sub-total:	***18***	***2,882***	***$ 6,822***		***0***	***0***	***$ 0***	

Agency Data Call Summary Report

- **14 tables showing fleet-level breakdowns of agency totals**
  - Most are comparisons of current vs. prior year
  - Sortable
  - Exportable
  - Direct links to data forms
  - Data at fleet level
  - "derived inventory difference"… what is ***that***?

- **Useful by itself**
  - … and also as a tool to begin to track down issues from DQ&C

Agency Data Call Summary Report

- **Look for changes that are highlighted**
- **Look for big changes**
  - … accounting for fleet size
- **Look at current-year breakdowns based on what you know about your fleet**
  - Start with bottom line numbers
  - … then find contributing fleets

Agency Data Call Summary Report

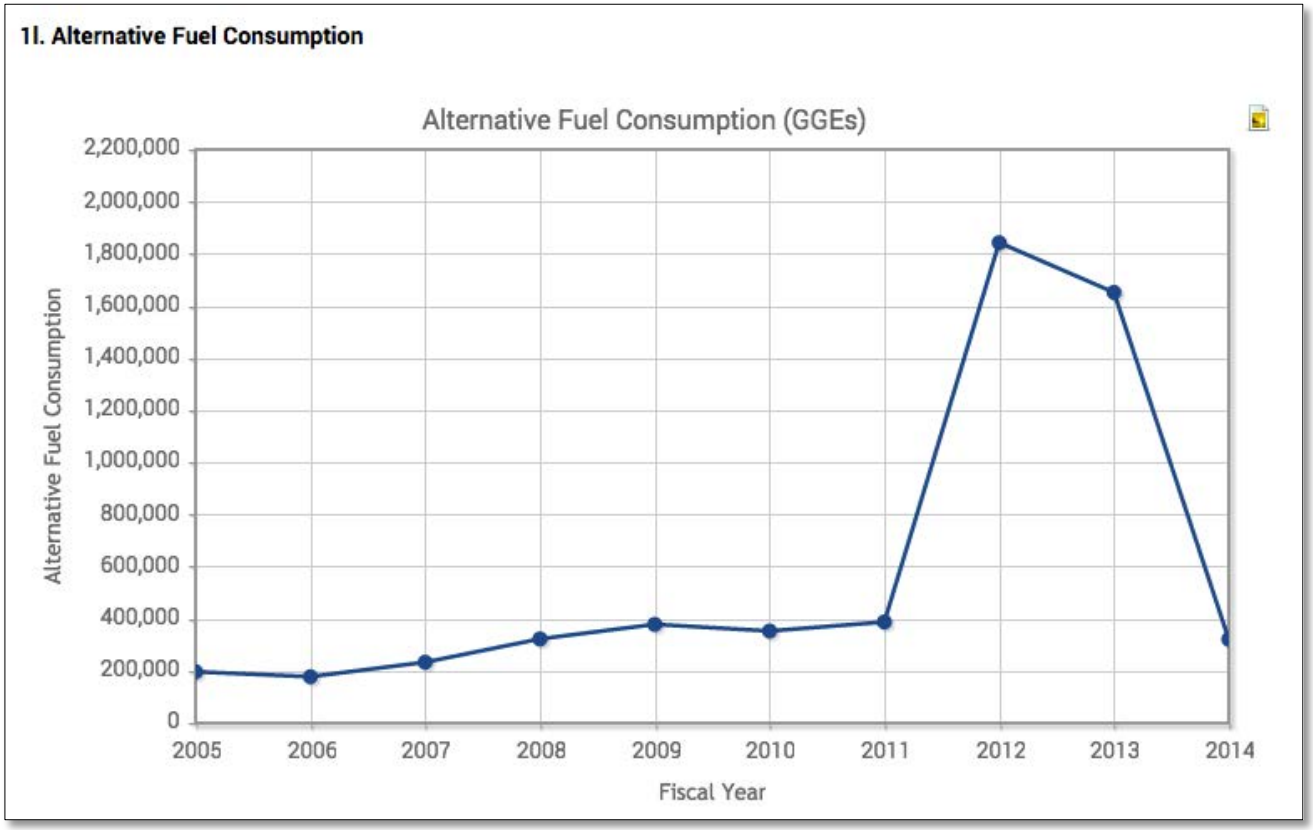
57	[redacted]	332	313	(19)	(5.72) %	(15)		Complete
58	[redacted]	4	5	1	25.00 %	1		Complete
59	[redacted]	31	31	0	0.00 %	(2)		Complete
60	[redacted]	735	760	25	3.40 %	20		Complete
61	[redacted]	14	12	(2)	(14.29) %	2		Complete
62	[redacted]	346	424	78	22.54 %	78		Complete
63	[redacted]	17	17	0	0.00 %	(2)		Complete
64	[redacted]	475	490	15	3.16 %	18		Complete
65	[redacted]	16	16	0	0.00 %	0		Complete
66	[redacted]	445	456	11	2.47 %	2		Complete
67	[redacted]	105	61	(44)	(41.90) %	(44)		Complete
68	[redacted]	305	322	17	5.57 %	4		Complete
69	[redacted]	59	60	1	1.69 %	1		Complete
70	[redacted]	245	254	9	3.67 %	74		Complete
71	[redacted]	552	538	(14)	(2.54) %	25		Complete
72	[redacted]	57	61	4	7.02 %	(1)		Complete

Data Quality & Consistency Report

- **13 views showing history**
  - Time-based aspect of consistency
- **5 views comparing data "sections"**
  - Consistency within the current year's submission
  - Inconsistencies are highlighted
- **Available at all levels of the reporting hierarchy**
- **Ability to look at different portions of overall fleet**
  - All fleets…
    - or subsets: just foreign or domestic
  - All vehicles…
    - or subsets: LE, ER, armored vehicles
- **Control over how much history is shown**
  - 5, 7, or 10 years

Data Quality & Consistency Report

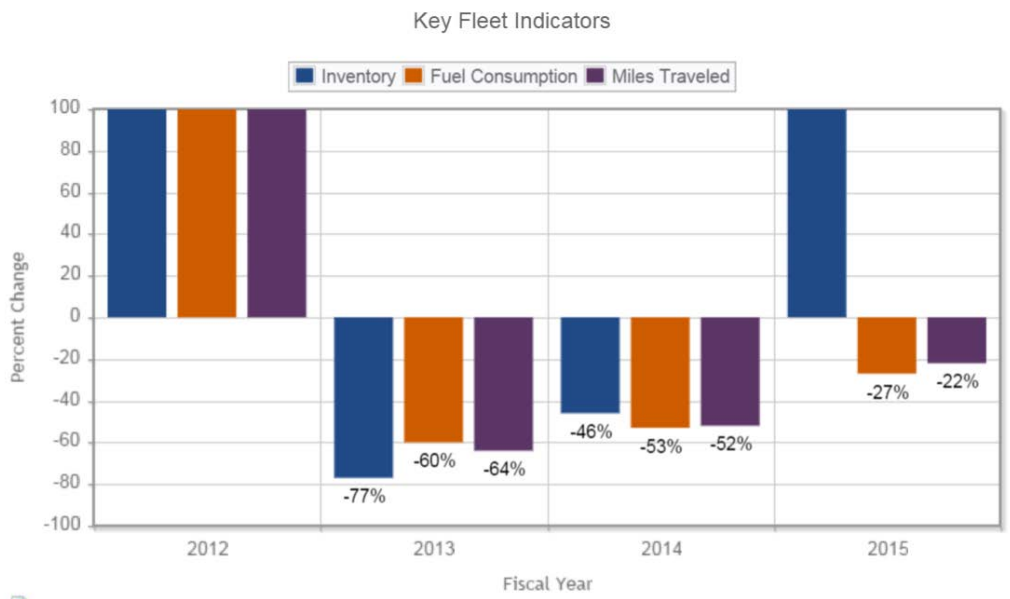
- **Look for big swings compared to past**



Data Quality & Consistency Report

- **Look for inconsistent movements in the numbers**

1h. Year-to-Year Changes in Key Fleet Indicators (Law Enforcement Vehicles)



	Year									
	2011		2012		2013		2014		2015	
Fleet Indicator	Qty	% Chg	Qty	% Chg	Qty	% Chg	Qty	% Chg	Qty	% Chg
Inventory	9	-	57	533%	13	-77%	7	-46%	18	157%
Fuel Consumption	4,378	-	21,257	386%	8,539	-60%	3,971	-53%	2,882	-27%
Miles Traveled	0	-	476,284	100%	172,296	-64%	82,395	-52%	64,535	-22%

Data Quality & Consistency Report

- **Look for things that are highlighted**

2a. FY2015 Vehicle Inventory vs. Fuel Cost/Consumption (Law Enforcement Vehicles)

		Domestic				Foreign			
Ownership	Fuel Type	Vehicle Inventory	Fuel Consumption (GGEs)	Fuel Cost	$/GGE	Vehicle Inventory	Fuel Consumption (GGEs)	Fuel Cost	$/GGE
GSA Leased	CNG	0	0	$ 0	n/a	0	0	$ 0	n/a
	LNG	0	0	$ 0	n/a	0	0	$ 0	n/a
	LPG	0	0	$ 0	n/a	0	0	$ 0	n/a
	E-85	4	0	$ 0	n/a	0	0	$ 0	n/a
	M-85	0	0	$ 0	n/a	0	0	$ 0	n/a
	Electric	0	0	$ 0	n/a	0	0	$ 0	n/a
	B20	0	0	$ 0	n/a	0	0	$ 0	n/a
	B100	0	0	$ 0	n/a	0	0	$ 0	n/a
	Hydrogen	0	0	$ 0	n/a	0	0	$ 0	n/a
	Gasoline	14	2,850	$ 6,762	$ 2.373	0	0	$ 0	n/a
	Diesel	0	32	$ 60	$ 1.875	0	0	$ 0	n/a
	Sub-total:	***18***	***2,882***	***$ 6,822***		***0***	***0***	***$ 0***	

Agency DQ&C / DCS Highlights Report

- **Collects all "flagged" items from both reports in one place.**

DQ&C 1a. Vehicle Inventory

#	Name	Vehicle Type	Inv 2014	Inv 2015	Chg	% Chg
1		Sedans/St Wgns	108	148	40	37.04 %
2		LD Trucks 4x2	121	152	31	25.62 %
3		MD Vehicles	39	59	20	51.28 %
4		MD Vehicles	2	4	2	100.00 %
5		Buses	3	4	1	33.33 %
6		MD Vehicles	4	5	1	25.00 %
7		HD Vehicles	1	2	1	100.00 %
8		Buses	1	2	1	100.00 %
9		Buses	4	3	(1)	(25.00) %
10		LD Trucks 4x4	3	2	(1)	(33.33) %
11		Sedans/St Wgns	1	0	(1)	(100.00) %
12		MD Vehicles	24	19	(5)	(20.83) %

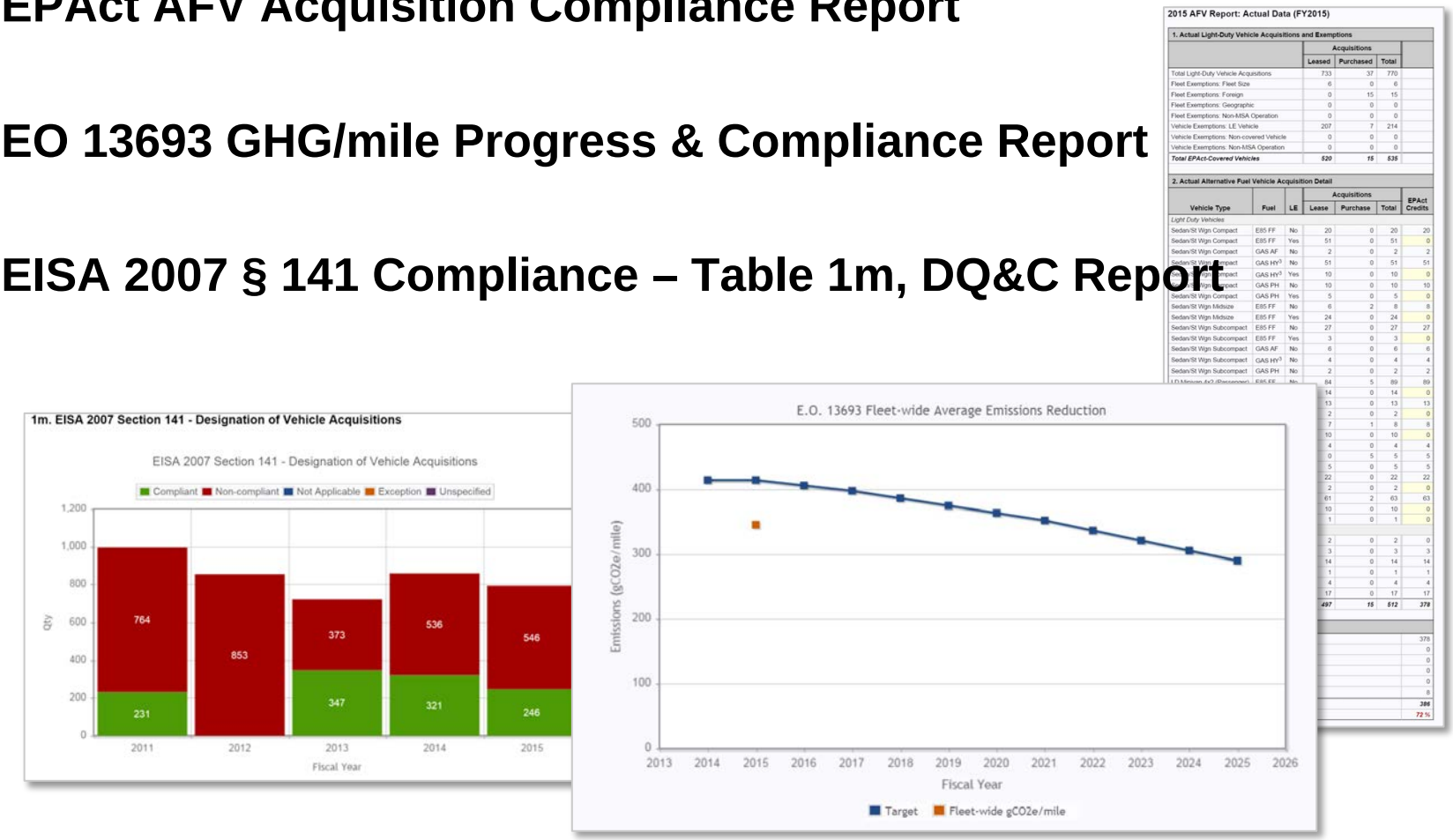
Fleet Budget & Inventory Projections (AFBS)

- **Do inventory projections make sense?**

2016 Planned Acquisitions	270	108	662	140	588	142	2	63	99	673	203	2,950
Owned	98	39	290	37	358	31	0	33	16	301	169	1,372
GSA Fleet	172	69	368	103	230	111	2	30	83	372	34	1,574
Commercially Leased	0	0	4	0	0	0	0	0	0	0	0	4
2016 Planned Disposals	272	99	585	141	487	121	1	59	65	671	114	2,615
Owned	180	42	267	64	281	10	0	34	37	372	91	1,378
GSA Fleet	90	56	311	76	202	111	1	25	26	296	23	1,217
Commercially Leased	2	1	7	1	4	0	0	0	2	3	0	20
2016 End of Year Operating Inventory	2,753	1,120	6,769	1,660	7,220	648	59	504	548	8,804	3,347	33,432
Owned	1,713	608	4,394	1,099	5,469	306	42	327	276	5,977	3,100	23,311
Average Age (months)	83.15	112.93	91.85	136.39	91.62	127.53	142.45	119.71	107.33	132.37	197.03	119.32
GSA Fleet	1,044	512	2,385	563	1,758	342	17	177	275	2,833	247	10,153
Commercially Leased	-4	0	-10	-2	-7	0	0	0	-3	-6	0	-32
2017 Planned Acquisitions	279	58	618	104	494	19	4	29	65	566	116	2,352
Owned	139	24	350	49	356	19	2	18	10	246	98	1,311
GSA Fleet	140	34	268	55	138	0	2	11	55	320	18	1,041
Commercially Leased	0	0	0	0	0	0	0	0	0	0	0	0
2017 Planned Disposals	259	57	541	75	374	2	1	31	45	608	87	2,080
Owned	194	37	390	46	291	2	1	22	33	427	81	1,524
GSA Fleet	63	19	144	28	79	0	0	9	10	178	6	536
Commercially Leased	2	1	7	1	4	0	0	0	2	3	0	20
2017 End of Year Operating Inventory	2,773	1,121	6,846	1,689	7,340	665	62	502	568	8,762	3,376	33,704
Owned	1,658	595	4,354	1,102	5,534	323	43	323	253	5,796	3,117	23,098
Average Age (months)	92.74	122.89	102.27	145.93	101.71	135.15	151.63	127.33	116.95	145.15	207.94	130.15
GSA Fleet	1,121	527	2,509	590	1,817	342	19	179	320	2,975	259	10,658
Commercially Leased	-6	-1	-17	-3	-11	0	0	0	-5	-9	0	-52

Reviewing Compliance

- **EPAct AFV Acquisition Compliance Report**
- **EO 13693 GHG/mile Progress & Compliance Report**
- **EISA 2007 § 141 Compliance – Table 1m, DQ&C Report**



EPAct AFV Acquisition Compliance Report

3. Actual EPAct Acquisition Credits Summary	
Base AFV Acquisition Credits:	378
Zero Emission Vehicle (ZEV) Credits:	0
Dedicated Light Duty AFV Credits:	0
Dedicated Medium Duty AFV Credits:	0
Dedicated Heavy Duty AFV Credits:	0
Biodiesel Fuel Usage Credits:[4]	8
Total EPAct Credits:	***386***
Overall EPAct Compliance Percentage:	***72 %***

2015 AFV Report: Actual Data (FY2015)

1. Actual Light-Duty Vehicle Acquisitions and Exemptions

	Acquisitions		
	Leased	Purchased	Total
Total Light-Duty Vehicle Acquisitions	733	37	770
Fleet Exemptions: Fleet Size	6	0	6
Fleet Exemptions: Foreign	0	15	15
Fleet Exemptions: Geographic	0	0	0
Fleet Exemptions: Non-MSA Operation	0	0	0
Vehicle Exemptions: LE Vehicle	207	7	214
Vehicle Exemptions: Non-covered Vehicle	0	0	0
Vehicle Exemptions: Non-MSA Operation	0	0	0
Total EPAct-Covered Vehicles	***520***	***15***	***535***

Alternative Fuel Vehicle Acquisition Detail

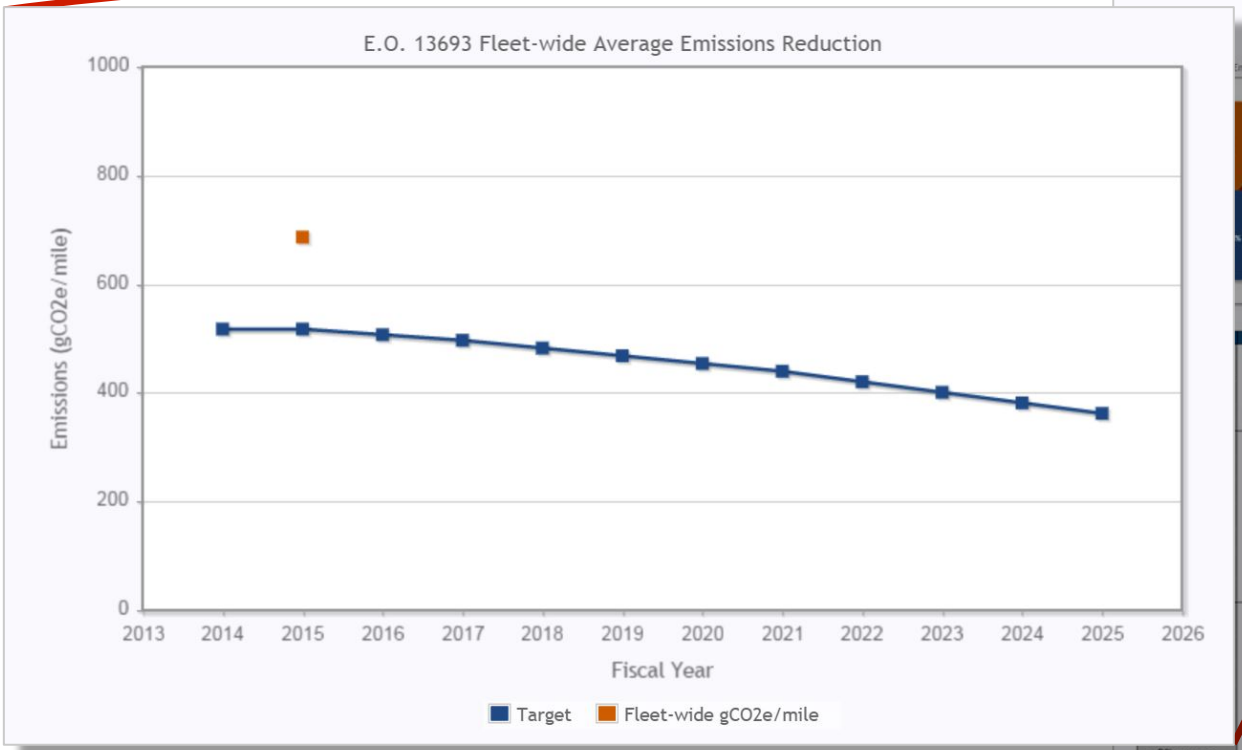
Vehicle Type	Fuel	LE	Acquisitions			EPAct Credits
			Lease	Purchase	Total	
Vehicle						
Ngn Compact	E85 FF	No	20	0	20	20
Ngn Compact	E85 FF	Yes	51	0	51	0
Ngn Compact	GAS AF	No	2	0	2	2
Ngn Compact	GAS HY[3]	No	51	0	51	51
Ngn Compact	GAS HY[3]	Yes	10	0	10	0
Ngn Compact	GAS PH	No	10	0	10	10
Ngn Compact	GAS PH	Yes	5	0	5	0
Ngn Midsize	E85	No	6	2	8	8
Ngn Midsize	E85 FF	Yes	24	0	24	0
Ngn Subcompact	E85 FF	No	27	0	27	27
Ngn Subcompact	E85 FF	Yes	3	0	3	0
Ngn Subcompact	GAS AF	No	6	0	6	6
Ngn Subcompact	GAS HY[3]	No	4	0	4	4
Ngn Subcompact	GAS PH	No	2	0	2	2
4x2 (Passenger)	E85 FF	No	84	5	89	89
4x2 (Passenger)	E85 FF	Yes	14	0	14	0
4x2	E85 FF	No	13	0	13	13
4x2	E85 FF	Yes	2	0	2	0
2	E85 FF	No	7	1	8	8
2	E85 FF	Yes	10	0	10	0
2	GAS AF	No	4	0	4	4
2 (Cargo)	E85 FF	No	0	5	5	5
2 (Passenger)	E85 FF	No	5	0	5	5
LD Pickup 4x4	E85 FF	No	22	0	22	22
LD Pickup 4x4	E85 FF	Yes	2	0	2	0
LD SUV 4x4	E85 FF	No	61	2	63	63
LD SUV 4x4	E85 FF	Yes	10	0	10	0
LD SUV 4x4	GAS AF	Yes	1	0	1	0
Medium Duty Vehicles						
Ambulance	E85 FF	No	2	0	2	0
MD Other	E85 FF	No	3	0	3	3
MD Pickup	E85 FF	No	14	0	14	14
MD Van (Cargo)	CNG DE	No	1	0	1	1
MD Van (Cargo)	E85 FF	No	4	0	4	
MD Van (Passenger)		No		0	17	17
Totals:			***497***	***15***		***378***

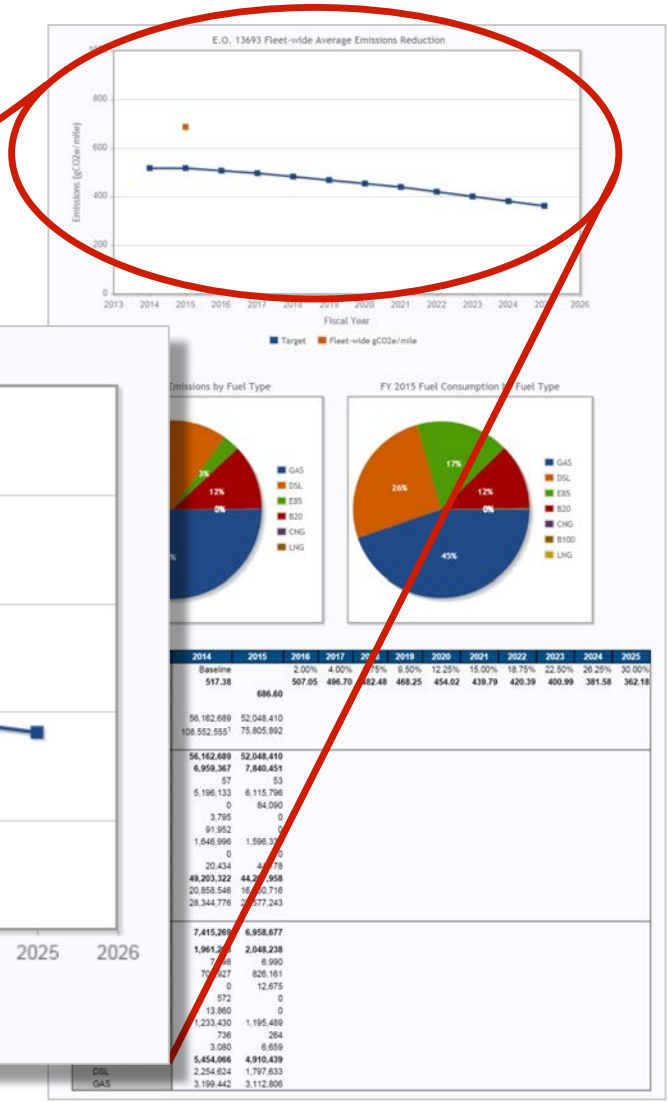
3. Actual EPAct Acquisition Credits Summary

Base AFV Acquisition Credits:	378
Zero Emission Vehicle (ZEV) Credits:	0
Dedicated Light Duty AFV Credits:	0
Dedicated Medium Duty AFV Credits:	0
Dedicated Heavy Duty AFV Credits:	0
Biodiesel Fuel Usage Credits:[4]	8
Total EPAct Credits:	***386***
Overall EPAct Compliance Percentage:	***72 %***

EO 13693 GHG/mile Progress & Compliance Report

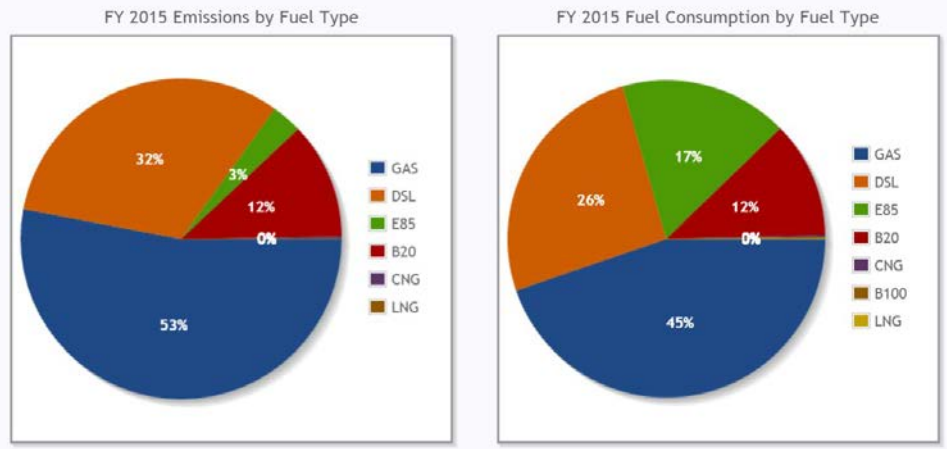
- **What is it showing?**
- **What's included and excluded?**
- **When should I be concerned?**





EO 13693 GHG/mile Progress & Compliance Report

FY	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Required Reduction	Baseline		2.00%	4.00%	6.75%	9.50%	12.25%	15.00%	18.75%	22.50%	26.25%	30.00%
Target	**517.38**		**507.05**	**496.70**	**482.48**	**468.25**	**454.02**	**439.79**	**420.39**	**400.99**	**381.58**	**362.18**
Fleet-wide gCO2e/mile		**686.60**										
Total KgCO2e	56,162,689	52,048,410										
Miles	108,552,555[1]	75,805,892										
Emissions (kgCO2e)	**56,162,689**	**52,048,410**										
Alternative Fuels	**6,959,367**	**7,840,451**										
B100	57	53										
B20	5,196,133	6,115,796										
CNG	0	84,090										
CNG 3600	3,795	0										
CNG GGE	91,952	0										
E85	1,646,996	1,596,334										
ELE	0	0										
LNG	20,434	44,178										
Petroleum Fuels	**49,203,322**	**44,207,958**										
DSL	20,858,546	16,630,716										
GAS	28,344,776	27,577,243										
Fuel Consumption (GGE)	**7,415,269**	**6,958,677**										
Alternative Fuels	**1,961,203**	**2,048,238**										
B100	7,598	6,990										
B20	701,927	826,161										
CNG	0	12,675										
CNG 3600	572	0										
CNG GGE	13,860	0										
E85	1,233,430	1,195,489										
ELE	736	264										
LNG	3,080	6,659										
Petroleum Fuels	**5,454,066**	**4,910,439**										
DSL	2,254,624	1,797,633										
GAS	3,199,442	3,112,806										



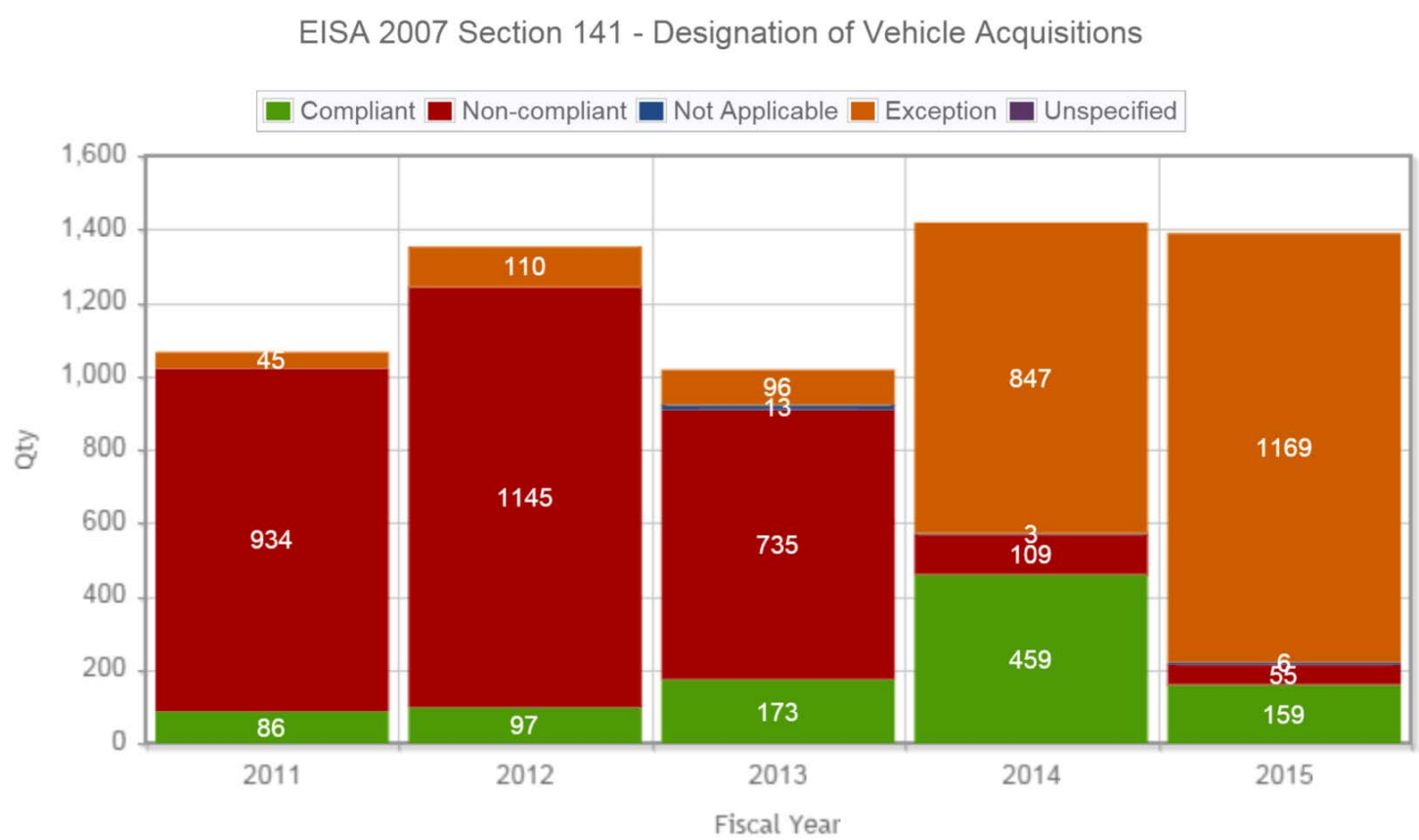
Notes:

[1]The miles figure shown for FY 2014 represents the imputed mileage calculated by the Dept. of Energy and used to generate an initial gCO2e/mile baseline. This is not the mileage reported by the agency in the FAST system for FY 2014. For all other years shown, the actual mileage reported by the agency in FAST is shown and used in the metric calculation and used to determine compliance.

EISA 2007 § 141 Compliance

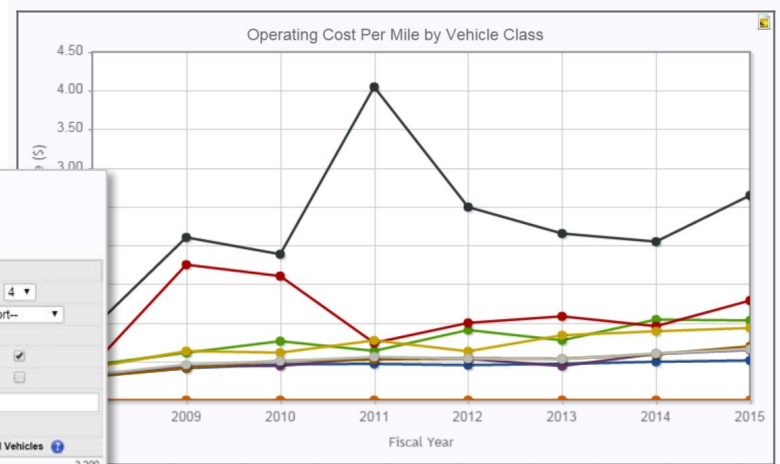
- **From DQ&C Report**

1m. EISA 2007 Section 141 - Designation of Vehicle Acquisitions

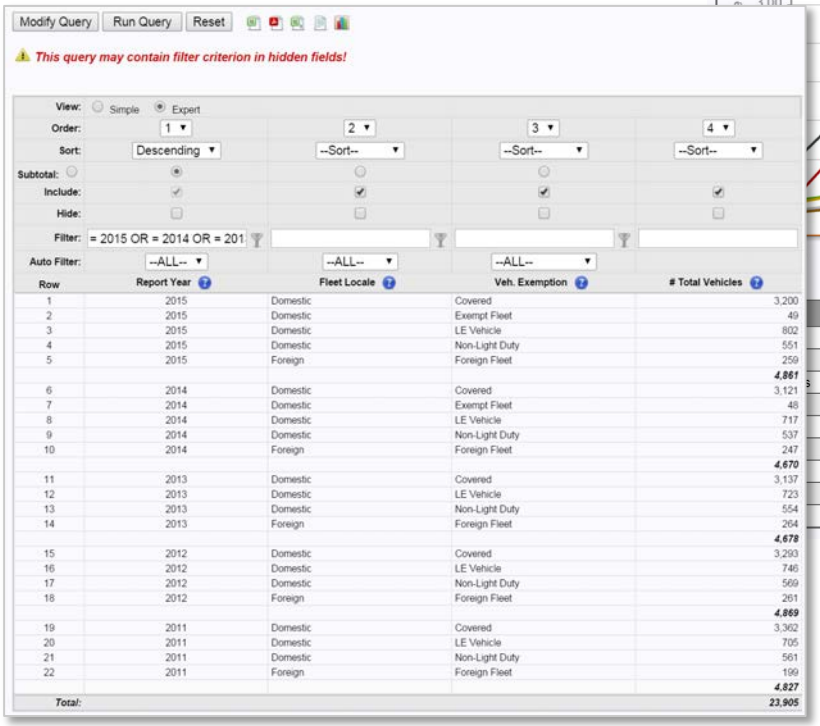


Other Reports & Tools

- **Agency Comparison & Trend Reports**
- **Query Tool**

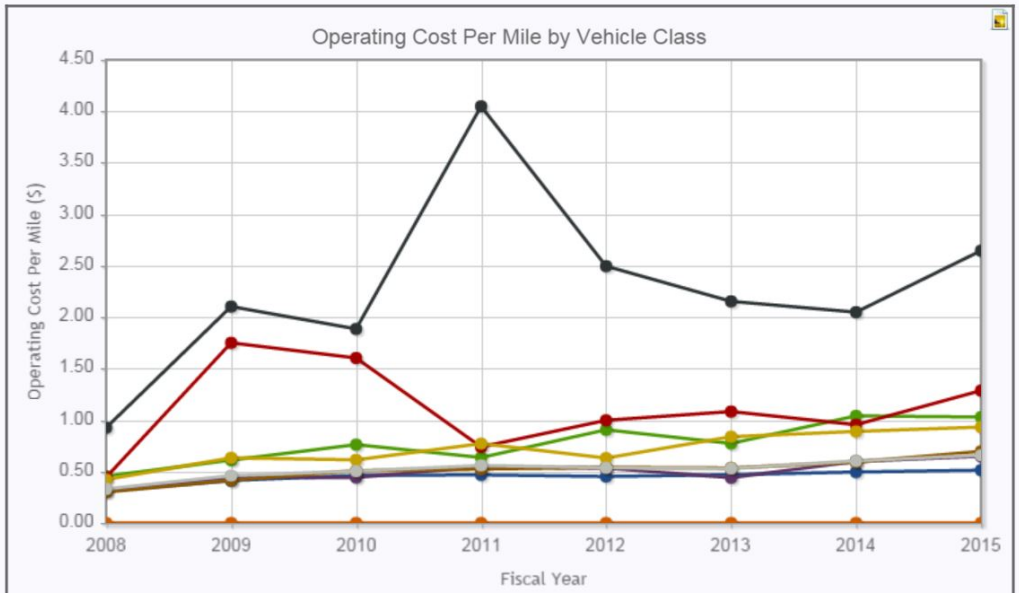


	2008	2009	2010	2011	2012	2013	2014	2015
	$0.31	$0.41	$0.46	$0.47	$0.45	$0.47	$0.49	$0.51
	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
	$0.45	$0.61	$0.76	$0.64	$0.91	$0.77	$1.04	$1.03
	$0.44	$1.75	$1.60	$0.74	$1.00	$1.08	$0.95	$1.29
	$0.32	$0.44	$0.44	$0.55	$0.53	$0.44	$0.60	$0.65
	$0.30	$0.41	$0.51	$0.52	$0.54	$0.53	$0.59	$0.70
	$0.42	$0.63	$0.61	$0.77	$0.63	$0.84	$0.89	$0.93
	$0.93	$2.10	$1.89	$4.05	$2.50	$2.15	$2.05	$2.65
	$0.33	**$0.46**	**$0.50**	**$0.56**	**$0.54**	**$0.53**	**$0.60**	**$0.66**

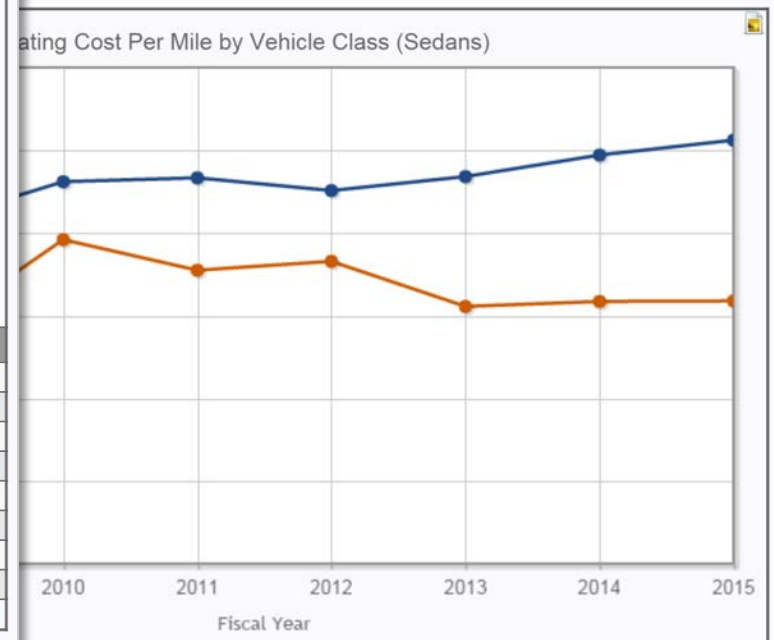


Row	Report Year	Fleet Locale	Veh. Exemption	# Total Vehicles
1	2015	Domestic	Covered	3,200
2	2015	Domestic	Exempt Fleet	49
3	2015	Domestic	LE Vehicle	802
4	2015	Domestic	Non-Light Duty	551
5	2015	Foreign	Foreign Fleet	259
				4,861
6	2014	Domestic	Covered	3,121
7	2014	Domestic	Exempt Fleet	48
8	2014	Domestic	LE Vehicle	717
9	2014	Domestic	Non-Light Duty	537
10	2014	Foreign	Foreign Fleet	247
				4,670
11	2013	Domestic	Covered	3,137
12	2013	Domestic	LE Vehicle	723
13	2013	Domestic	Non-Light Duty	554
14	2013	Foreign	Foreign Fleet	264
				4,678
15	2012	Domestic	Covered	3,293
16	2012	Domestic	LE Vehicle	746
17	2012	Domestic	Non-Light Duty	569
18	2012	Foreign	Foreign Fleet	261
				4,869
19	2011	Domestic	Covered	3,362
20	2011	Domestic	LE Vehicle	705
21	2011	Domestic	Non-Light Duty	561
22	2011	Foreign	Foreign Fleet	199
				4,827
Total:				***23,905***

Agency Comparison & Trend Reports



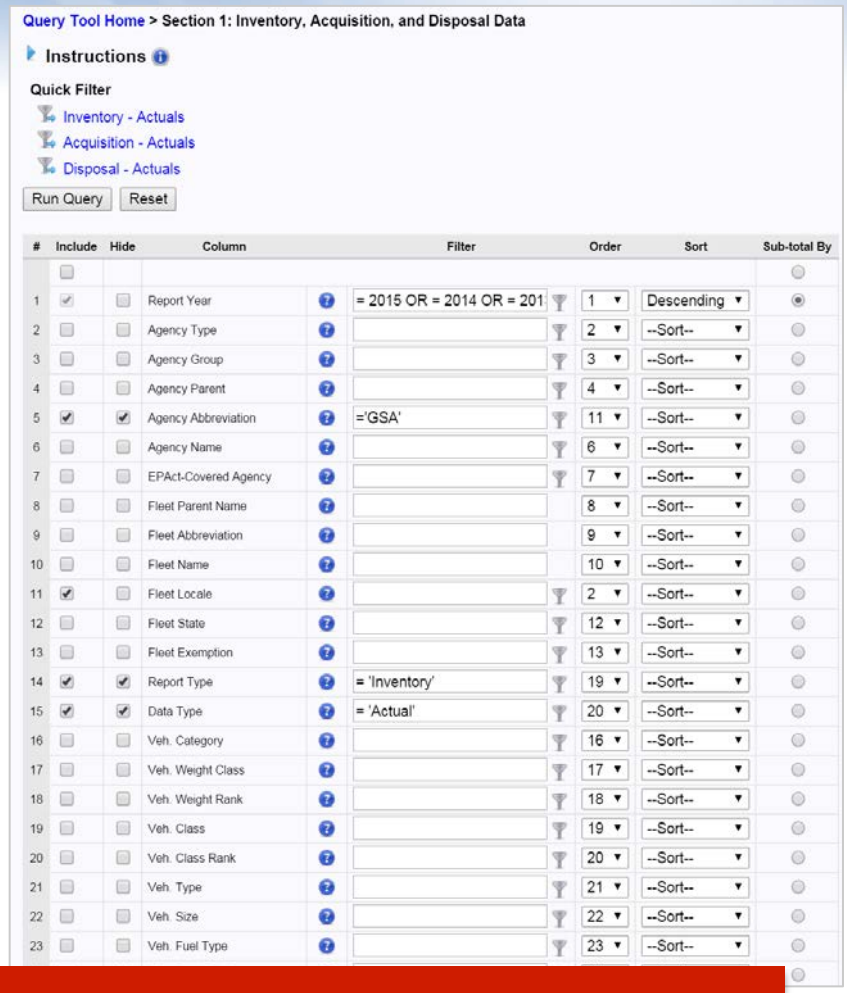
	2008	2009	2010	2011	2012	2013	2014	2015
Sedans	$0.31	$0.41	$0.46	$0.47	$0.45	$0.47	$0.49	$0.51
LSEVs	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Ambulances	$0.45	$0.61	$0.76	$0.64	$0.91	$0.77	$1.04	$1.03
Buses	$0.44	$1.75	$1.60	$0.74	$1.00	$1.08	$0.95	$1.29
LD 4x2	$0.32	$0.44	$0.44	$0.55	$0.53	$0.44	$0.60	$0.65
LD 4x4	$0.30	$0.41	$0.51	$0.52	$0.54	$0.53	$0.59	$0.70
MD	$0.42	$0.63	$0.61	$0.77	$0.63	$0.84	$0.89	$0.93
HD	$0.93	$2.10	$1.89	$4.05	$2.50	$2.15	$2.05	$2.65
Overall Avg	**$0.33**	**$0.46**	**$0.50**	**$0.56**	**$0.54**	**$0.53**	**$0.60**	**$0.66**



	2008	2009	2010	2011	2012	2013	2014	2015
	$0.31	$0.41	$0.46	$0.47	$0.45	$0.47	$0.49	$0.51
	$0.31	$0.28	$0.39	$0.36	$0.37	$0.31	$0.32	$0.32

Query Tool

- **Filter**
  - Multiple values
  - “Wildcard” search
- **Sort**
  - On one or multiple data elements
- **Subtotal**
- **Reorder**
- **Export data in several formats**
- **Charting**
- **Save / share queries**



If you’re still avoiding it, STOP!
Will only become more important/valuable with VLD

What About Vehicle-level Data?

- **Compliance reports likely to stay (largely) the same**

- **Data review**
  - **What changes?**
    - Data entry rules / requirements more rigorous
    - More validity checks done on import
    - Eliminates possibility of data section “disconnects”
    - New views of data quality

  - **What stays the same?**
    - Trends still matter, still relevant
      - Will show old “sectional” data with new vehicle-level data
      - Potential for significant shifts in data!
    - Query Tool will still be key tool

Questions?

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