

# Executive Summary Report

## SMOG CHECK Statewide \*\*

### November 2014

#### 1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	324,574	52,012	16.02%
Total	383,423	66,097	17.24%

#### 2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	267,726	82.49%	56,848	17.51%
Total	311,322	81.20%	72,101	18.80%

#### 3. Certification Volume by Station Type\*

Station Types	Certificates Issued on Initial Test	Percent (%) Certificates Issued	No Certificates Issued on Initial Test	Percent (%) No Certificates Issued
STAR Test Only	136,416	81.17%	31,641	18.83%
Non-STAR Test Only	13,359	90.23%	1,446	9.77%
STAR Test and Repair	64,352	80.34%	15,745	19.66%
Non-STAR Test and Repair	52,371	89.23%	6,318	10.77%
Total	266,498	82.85%	55,150	17.15%

\*Note: Excludes Basic area dealer, Fleets, and Referee stations

#### 4. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	6,403	1.97%
All Emissions	27,812	8.57%
All Visual	10,620	3.27%
All Functional	29,875	9.20%
OBDII	15,965	4.92%
Overall	52,012	16.02%

#### 7. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	257,306	43,582	16.94%	5,195	2.02%
Partial	16,984	2,741	16.14%	357	2.10%
Basic	31,937	3,442	10.78%	490	1.53%
Change of Ownership	2,725	398	14.61%	80	2.94%
No Program	4	0	0.00%	0	0.00%
Unknown	15,618	1,849	11.84%	281	1.80%
Total Program Area	324,574	52,012	16.02%	6,403	1.97%

#### 8. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	168,057	31,001	18.45%	3,843	2.29%
Non-STAR Test Only	14,805	1,345	9.08%	113	0.76%
STAR Test and Repair	80,097	14,709	18.36%	1,853	2.31%
Non-STAR Test and Repair	58,689	4,636	7.90%	547	0.93%
Test Only Temp	0	0	0.00%	0	0.00%
Test and Repair/Dealer	1,061	40	3.77%	4	0.38%
Business Fleet	1	0	0.00%	0	0.00%
Permanent Fleet Registered	81	2	2.47%	0	0.00%
Referee	298	134	44.97%	19	6.38%
Government Fleet	1,485	145	9.76%	24	1.62%
Repair Only	0	0	0.00%	0	0.00%
Unknown Privilege	0	0	0.00%	0	0.00%
Total	324,574	52,012	16.02%	6,403	1.97%

#### 5. Initial Tests at All Test-Only Stations

Vehicles	STAR Station Initial Tests	Non-STAR Station Initial Tests	STAR Station Certificates Issued	Non-STAR Station Certificates Issued
Directed	107,393	125	84,625	48
Non-Directed	60,664	14,680	51,791	13,311
Total	168,057	14,805	136,416	13,359

#### 6. Initial Tests at All Test and Repair Stations

Vehicles	STAR Station Initial Tests	Non-STAR Station Initial Tests	STAR Station Certificates Issued	Non-STAR Station Certificates Issued
Directed	40,224	427	31,048	28
Non-Directed	39,873	58,262	33,304	52,343
Total	80,097	58,689	64,352	52,371

\*\* BAR-97 data only. OBD Inspection System (OIS) data are not included in this report

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#### 9. Number of Stations by Type/Privilege and Program Area

Station Type	Basic	Change of Ownership	Enhanced	Partial	Total
STAR Regular Test and Repair CAP Enhanced	0	0	2,071	92	2,163
STAR Regular Test and Repair CAP Basic	143	0	0	0	143
STAR Regular Test and Repair CAP COO	0	70	0	0	70
STAR Test Only	15	0	1,878	30	1,923
Non-STAR Regular Test and Repair	481	34	2,235	232	2,982
Non-STAR Test Only	14	1	432	12	459
Repair Only	3	1	62	2	68
Basic Area Dealer	77	0	0	0	77
Business Fleet	0	0	3	0	3
Permanent Fleet Registered	4	0	28	1	33
Referee	6	1	36	0	43
Government Fleet	38	2	255	10	305
Unknown Type	0	0	1	0	1
<b>Total</b>	<b>781</b>	<b>109</b>	<b>7,001</b>	<b>379</b>	<b>8,270</b>

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#### 10. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
1933	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1976	513	165	32.16%	21.44%	9.55%	17.93%	9.94%	0.00%
1977	693	199	28.72%	17.46%	6.49%	14.57%	9.52%	0.00%
1978	792	211	26.64%	15.78%	6.69%	15.91%	8.59%	0.00%
1979	931	308	33.08%	23.63%	9.13%	17.51%	10.20%	0.00%
1980	547	145	26.51%	18.10%	7.31%	14.44%	10.05%	0.00%
1981	551	169	30.67%	21.23%	9.44%	16.70%	11.43%	0.00%
1982	729	234	32.10%	23.32%	9.88%	16.87%	10.97%	0.00%
1983	761	242	31.80%	22.73%	9.59%	15.64%	8.80%	0.00%
1984	1,564	534	34.14%	25.26%	10.17%	16.18%	10.49%	0.00%
1985	2,050	695	33.90%	24.83%	9.27%	16.44%	10.44%	0.00%
1986	2,876	921	32.02%	23.02%	9.28%	17.14%	8.31%	0.00%
1987	3,687	1,119	30.35%	21.64%	7.11%	14.70%	7.89%	0.00%
1988	4,036	1,197	29.66%	21.53%	6.94%	14.52%	7.14%	0.00%
1989	5,665	1,617	28.54%	19.47%	5.79%	14.05%	6.51%	0.00%
1990	6,929	1,902	27.45%	18.73%	4.91%	13.98%	6.22%	0.00%
1991	8,978	2,428	27.04%	19.16%	4.91%	13.67%	5.36%	0.00%
1992	8,667	2,343	27.03%	19.28%	5.13%	12.29%	5.63%	0.00%
1993	11,133	3,246	29.16%	21.40%	4.72%	13.01%	5.92%	0.00%
1994	14,085	3,684	26.16%	18.47%	3.71%	11.49%	5.06%	0.00%
1995	17,326	4,466	25.78%	18.15%	3.29%	10.93%	5.10%	0.00%
1996	19,925	4,103	20.59%	10.21%	1.50%	11.93%	4.00%	10.19%
1997	22,841	4,504	19.72%	9.19%	1.46%	11.76%	3.88%	10.19%
1998	33,378	5,138	15.39%	6.26%	1.14%	9.69%	3.08%	8.45%
1999	31,289	4,252	13.59%	4.62%	0.75%	9.23%	2.68%	8.30%
2000	14,049	1,639	11.67%	3.44%	0.85%	8.81%	2.09%	8.09%
2001	10,064	1,245	12.37%	2.67%	0.44%	10.19%	1.86%	9.74%
2002	14,965	1,530	10.22%	2.03%	0.49%	8.35%	1.56%	7.97%
2003	9,511	828	8.71%	2.00%	0.40%	7.15%	1.43%	6.78%
2004	15,430	1,018	6.60%	1.18%	0.17%	5.39%	1.04%	5.07%
2005	8,350	458	5.49%	1.19%	0.22%	4.42%	0.99%	4.18%
2006	16,864	680	4.03%	0.82%	0.11%	3.18%	0.58%	2.98%
2007	7,513	243	3.23%	0.79%	0.12%	2.40%	0.64%	2.17%
2008	13,714	339	2.47%	0.39%	0.04%	2.06%	0.34%	1.95%
2009	3,109	50	1.61%	0.55%	0.03%	1.35%	0.26%	1.29%
2010	2,800	46	1.64%	0.57%	0.04%	1.29%	0.11%	1.25%
2011	2,118	26	1.23%	0.57%	0.05%	1.13%	0.05%	1.13%
2012	2,001	27	1.35%	0.40%	0.05%	1.15%	0.00%	1.15%
2013	2,137	31	1.45%	0.84%	0.00%	1.12%	0.19%	1.08%
2014	1,758	26	1.48%	0.28%	0.00%	1.25%	0.17%	1.19%
2015	244	4	1.64%	0.00%	0.00%	1.64%	0.00%	1.64%
All Model Years	324,574	52,012	16.02%	8.57%	1.97%	9.20%	3.27%	4.92%

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#### 11. Referee Activity

	Certificates Issued
Certificate of Compliance	259
Certificate of Non Compliance	0
Parts Cost	27
Hardship Extensions	0
Exempt Vehicle	23
Exempted by Directive	1
Parts Exemption	2
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
Total	312

#### 12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,745
Stations Locked-Out at Least Once	820
Stations Conducted at Least One Test	6,525

#### 13. Active Technicians

License Type	Technician Count
EA (Test and Repair Enhanced)	62
EB (Test and Repair Basic)	2
EI (Repair Only)	1
EO (Test Only)	1,974
EO (Test and Repair)	7,196

#### 14. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
STAR Test and Repair	61,279	46.73	17,469	46.38	78,748	46.65
STAR Test Only	145,379	46.35	19,543	46.81	164,922	46.41
Non-STAR Test and Repair	29,337	52.23	27,158	46.72	56,495	49.58
Non-STAR Test Only	10,142	40.72	3,834	36.45	13,976	39.55
Test and Repair/Dealer	1	72.00	1,006	55.04	1,007	55.06
Test Only Temp	0	0.00	0	0.00	0	0.00
Total	246,138	46.92	69,010	46.21	315,148	46.76

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#### 15. Repair Costs

Repair Station Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
STAR Repairs (Test and Repair, Non-CAP)	\$1-50	1,422	24.08	5,777	278.04
	\$51-150	1,174	99.8		
	\$151-250	900	203.2		
	\$251-450	1,123	345.71		
	Over \$450	1,158	763.12		
Non-STAR Repairs (Test and Repair)	\$1-50	550	21.48	1,933	249.38
	\$51-150	435	101.42		
	\$151-250	330	200.64		
	\$251-450	355	335.88		
	Over \$450	263	915.13		
Repair Only	\$1-50	0	0	0	0.00
	\$51-150	0	0		
	\$151-250	0	0		
	\$251-450	0	0		
	Over \$450	0	0		
CAP Repairs	\$1-50	36	20.56	466	413.95
	\$51-150	37	107.7		
	\$151-250	45	204.87		
	\$251-450	120	356.13		
	Over \$450	228	597.46		
Total Repairs	\$1-50	2,008	23.3	8,176	279.01
	\$51-150	1,646	100.4		
	\$151-250	1,275	202.6		
	\$251-450	1,598	344.31		
	Over \$450	1,649	764.46		

#### 16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	472	395.79