

# Executive Summary Report

## SMOG CHECK Statewide

### March 2014

#### 1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	1,039,803	120,760	11.61%
Total	1,177,450	150,894	12.82%

#### 2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	909,470	87.47%	130,333	12.53%
Total	1,014,636	86.17%	162,814	13.83%

#### 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	444,280	86.27%	70,710	13.73%
Non-STAR Test Only	41,298	90.25%	4,464	9.75%
STAR Test and Repair	238,571	87.29%	34,732	12.71%
Non-STAR Test and Repair	179,823	91.90%	15,854	8.10%
Total	903,972	87.79%	125,760	12.21%

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

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

	Failed	Percent (%) Failed
Gross Polluters	11,886	1.14%
All Emissions	52,816	5.08%
All Visual	22,113	2.13%
All Functional	77,318	7.44%
OBDII	52,856	5.08%
Overall	120,760	11.61%

#### 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	217,022	448	171,261	126
Non-Directed	297,968	45,314	273,019	41,172
Total	514,990	45,762	444,280	41,298

#### 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	86,407	1,073	68,135	70
Non-Directed	186,896	194,604	170,436	179,753
Total	273,303	195,677	238,571	179,823

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

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	832,265	101,047	12.14%	9,689	1.16%
Partial	56,114	6,948	12.38%	674	1.20%
Basic	93,538	7,736	8.27%	913	0.98%
Change of Ownership	6,654	826	12.41%	121	1.82%
No Program	5	2	40.00%	1	20.00%
Unknown	51,227	4,201	8.20%	488	0.95%
Total Program Area	1,039,803	120,760	11.61%	11,886	1.14%

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

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
STAR Test Only	514,990	69,576	13.51%	7,057	1.37%
Non-STAR Test Only	45,762	4,162	9.09%	329	0.72%
STAR Test and Repair	273,303	33,263	12.17%	3,255	1.19%
Non-STAR Test and Repair	195,677	12,942	6.61%	1,148	0.59%
Test Only Temp	986	124	12.58%	14	1.42%
Test and Repair/Dealer	4,558	132	2.90%	8	0.18%
Business Fleet	5	0	0.00%	0	0.00%
Permanent Fleet Registered	10	0	0.00%	0	0.00%
Referee	467	202	43.25%	20	4.28%
Government Fleet	4,042	358	8.86%	55	1.36%
Repair Only	3	1	33.33%	0	0.00%
Total	1,039,803	120,760	11.61%	11,886	1.14%

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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	1,948	85	2,033
STAR Regular Test and Repair CAP Basic	138	0	0	0	138
STAR Regular Test and Repair CAP COO	0	67	0	0	67
STAR Test Only	16	0	1,850	29	1,895
Non-STAR Regular Test and Repair	473	36	2,208	238	2,955
Non-STAR Test Only	14	0	500	11	525
Repair Only	3	0	77	2	82
Basic Area Dealer	78	0	0	0	78
Business Fleet	0	0	3	0	3
Permanent Fleet Registered	4	0	28	1	33
Referee	6	1	36	0	43
Government Fleet	37	2	248	9	296
Unknown Type	0	0	1	0	1
<b>Total</b>	<b>769</b>	<b>106</b>	<b>6,899</b>	<b>375</b>	<b>8,149</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
0	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1960	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1976	857	260	30.34%	21.00%	6.30%	15.87%	8.52%	0.00%
1977	1098	336	30.60%	17.67%	6.38%	18.31%	10.66%	0.00%
1978	1308	419	32.03%	19.65%	8.26%	16.74%	11.09%	0.00%
1979	1314	430	32.72%	21.92%	9.82%	18.80%	11.72%	0.00%
1980	766	262	34.20%	23.37%	11.10%	18.15%	10.44%	0.00%
1981	953	325	34.10%	24.87%	10.60%	19.20%	12.17%	0.00%
1982	1,085	361	33.27%	24.06%	7.83%	15.94%	9.95%	0.00%
1983	1,375	480	34.91%	26.25%	10.84%	18.55%	10.18%	0.00%
1984	2,505	869	34.69%	25.55%	11.10%	17.13%	9.78%	0.00%
1985	3,354	1,163	34.68%	25.13%	10.02%	18.25%	9.39%	0.00%
1986	4,467	1,443	32.30%	23.53%	9.07%	16.36%	8.35%	0.00%
1987	5,305	1,767	33.31%	24.37%	7.84%	16.78%	8.41%	0.00%
1988	6,417	2,082	32.45%	23.36%	7.45%	16.91%	7.81%	0.00%
1989	8,677	2,636	30.38%	21.39%	6.65%	15.28%	6.95%	0.00%
1990	11,282	3,459	30.66%	21.88%	6.39%	15.42%	6.41%	0.00%
1991	13,438	3,880	28.87%	20.53%	5.26%	14.42%	5.69%	0.00%
1992	14,311	4,220	29.49%	21.02%	5.43%	13.86%	5.68%	0.00%
1993	17,645	5,419	30.71%	23.11%	4.74%	13.22%	5.61%	0.00%
1994	23,791	6,758	28.41%	20.59%	3.92%	12.37%	5.10%	0.00%
1995	25,853	7,236	27.99%	19.94%	3.69%	12.18%	5.19%	0.00%
1996	33,007	7,073	21.43%	10.83%	1.52%	12.35%	3.82%	10.45%
1997	34,445	7,354	21.35%	10.28%	1.70%	13.15%	3.54%	11.14%
1998	50,068	8,020	16.02%	6.79%	1.22%	10.15%	2.84%	8.95%
1999	47,642	7,052	14.80%	5.04%	0.83%	10.37%	2.70%	9.31%
2000	83,613	9,459	11.31%	3.10%	0.61%	8.18%	2.11%	7.61%
2001	51,453	7,254	14.10%	2.59%	0.41%	11.67%	2.21%	11.28%
2002	93,373	8,775	9.40%	1.53%	0.31%	7.65%	1.58%	7.42%
2003	48,620	4,762	9.79%	1.68%	0.35%	7.99%	1.61%	7.80%
2004	109,904	6,294	5.73%	0.71%	0.16%	4.78%	0.84%	4.65%
2005	44,378	2,827	6.37%	0.95%	0.17%	5.28%	0.92%	5.16%
2006	115,799	4,180	3.61%	0.43%	0.07%	2.91%	0.53%	2.85%
2007	36,193	1,224	3.38%	0.40%	0.07%	2.72%	0.51%	2.66%
2008	98,325	2,041	2.08%	0.22%	0.04%	1.65%	0.32%	1.61%
2009	9,254	160	1.73%	0.32%	0.04%	1.44%	0.19%	1.36%
2010	12,284	190	1.55%	0.24%	0.02%	1.28%	0.15%	1.23%
2011	7,731	105	1.36%	0.25%	0.03%	1.20%	0.12%	1.16%
2012	9,188	88	0.96%	0.44%	0.02%	0.85%	0.08%	0.81%
2013	6,742	68	1.01%	0.19%	0.04%	0.85%	0.07%	0.80%
2014	1,976	29	1.47%	0.30%	0.05%	1.16%	0.15%	1.16%
2015	5	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
All Model Years	1,039,803	120,760	11.61%	5.08%	1.14%	7.44%	2.13%	5.08%

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#### 11. Referee Activity

	Certificates Issued
Certificate of Compliance	528
Certificate of Non Compliance	0
Parts Cost	65
Hardship Extensions	0
Exempt Vehicle	29
Exempted by Directive	2
Parts Exemption	3
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
Total	627

#### 12. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,174
Stations Locked-Out at Least Once	811
Stations Conducted at Least One Test	6,975

#### 13. Active Technicians

License Type	Technician Count
EA (Test and Repair Enhanced)	1,370
EB (Test and Repair Basic)	62
EI (Repair Only)	2
EO (Test Only)	1,604
EO (Test and Repair)	7,787

#### 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	205,962	46.77	59,299	46.80	265,261	46.78
STAR Test Only	431,063	46.66	70,411	47.98	501,474	46.85
Non-STAR Test and Repair	107,120	50.09	79,410	46.50	186,530	48.56
Non-STAR Test Only	33,005	42.89	10,277	39.85	43,282	42.16
Test and Repair/Dealer	13	70.27	4,147	55.75	4,160	55.80
Test Only Temp	822	48.5	141	51.10	963	48.88
Total	777,985	47	223,685	46.92	1,001,670	46.98

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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	2,563	24.00	11,441	312.15
	\$51-150	2,159	100.94		
	\$151-250	1,692	203.16		
	\$251-450	2,434	343.46		
	Over \$450	2,593	814.56		
Non-STAR Repairs (Test and Repair)	\$1-50	1,261	22.75	4,575	267.87
	\$51-150	1,031	100.64		
	\$151-250	740	199.96		
	\$251-450	812	338.08		
	Over \$450	731	917.32		
Repair Only	\$1-50	0	0	0	0
	\$51-150	0	0		
	\$151-250	0	0		
	\$251-450	0	0		
	Over \$450	0	0		
CAP Repairs	\$1-50	60	25.35	811	383.77
	\$51-150	85	104.74		
	\$151-250	84	198.14		
	\$251-450	246	360.47		
	Over \$450	336	581.82		
Total Repairs	\$1-50	3,884	23.62	16,827	303.57
	\$51-150	3,275	100.95		
	\$151-250	2,516	202.05		
	\$251-450	3,492	343.41		
	Over \$450	3,660	813.72		

#### 16. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	827	366.98