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December 2013

SFR-72/13

Annual Report of Nonfinancial Data

Chief Financial Officer Division

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Annual Report of
Nonfinancial Information
Fiscal Year Ended August 31, 2013

Prepared by

Chief Financial Officer Division

SFR-072/13

December 2013



Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*

Zak Covar, *Executive Director*

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Bryan W. Shaw, Ph.D., Chairman
Toby Baker, Commissioner
Zak Covar, *Executive Director*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 13, 2013

The Honorable Rick Perry, Governor
John Keel, CPA, State Auditor
Ursula Parks, Director, Legislative Budget Board

Lady and Gentlemen:

We are pleased to submit the Texas Commission on Environmental Quality's *Annual Report of Nonfinancial Data* for the fiscal year ended August 31, 2013, in compliance with the TEX. GOV'T CODE ANN. § 2101.0115, § 2158.008, and in accordance with the instructions for completing the *Annual Report of Nonfinancial Data*.

The accompanying report has not been audited and is considered to be independent of the agency's *Annual Financial Report*.

If you have any questions, please contact Ms. Liz Day, Chief Financial Officer, at 239-0299.

Sincerely,

Zak Covar
Executive Director

Enclosure

SECTION I

TCEQ AGENCY-SPECIFIC

INFORMATION

SCHEDULE OF SPACE OCCUPIED
Fiscal Year Ended August 31, 2013

<u>Location</u>	<u>Address</u>	<u>Name of Lessor</u>	<u>Lease No.</u>	<u>Type</u>
STATE OWNED:				
Austin	12100 Park 35 Circle (Bldg. A)			Office
Austin	12124 Park 35 Circle (Bldg. B/C)			Office
Austin	12118 Park 35 Circle (Bldg. D/E)			Office
Corpus Christi	6300 Ocean Drive, Suite 1200			Office
Houston	5425 Polk Ave, Suite H			Office
El Paso	401 E. Franklin Ave., Suite 560			Office
NON-STATE OWNED:				
Abilene	1977 Industrial Blvd	Pak Harris Enterprises LTD	1110	Office
Amarillo	3918 Canyon Drive	Johnnie Shannon	20116	Office
Austin	12015 Park 35 Circle (Bldg. F)	The Colonnade Office Center	7689	Office
Austin	1700 Hydro Lane	Hart-Hejl Dev	4793	Access RD/Storage
Austin	13107 Dessau Road #300	Storage Town USA	10460	Storage
Beaumont	3870 Eastex Frwy., Suite 110	William E Wilson	7089	Office
Beaumont	2615 Calder St, Suite 1050	Bar C Ranch		Storage
Dallas/Fort Worth	2309 Gravel Riverside Tech Center	Gravel Drive LTD	10462	Office
Eagle Pass	1152 Ferry Street	Brown Family Trust	9058	Office
Harlingen	1804 W. Jefferson	Adam Daniec	9867	Office
Houston	5144 E. Sam Houston Parkway North	JTP Enterprises	6255	Lab
Laredo	707 Calton Rd.	TRE Ventuno LLC	10626	Office
Lubbock	5012 50th Street, Suite 100	GKW Properties	10767	Office
Midland	3300 North A Street Bldg 4 Suite 107	Midland Brighton Pittsford Realty Corporation	20301	Office/Lab/Storage
San Angelo	622 S. Oakes St.	City of San Angelo	9918	Office
San Angelo	5973 Knickerbocker, #A	Red Bluff Storage		Storage
San Antonio	14250 Judson Road	Naomi LP	1402	Office
Stephenville	580-D Lingleville Rd.	Rick Hale	1622	Office
Tyler	2916 Teague Drive	Jack F Paul	9232	Office
Waco	6801 Sanger Avenue, Suite 2500	Sandstone Executive Plaza	6231	Office
Webster	17041 El Camino Real	Hodges Family Holdings LTD	10780	Office

TOTAL

<u>Usable Square Feet</u>	<u>FTEs</u>	<u>Rental Cost Per Square Foot Month</u>		<u>Annual Cost</u>
165,720	557	N/A - State-Owned Property		
117,762	401	N/A - State-Owned Property		
93,627	285	N/A - State-Owned Property		
11,164	54	N/A - State-Owned Property		
41,732	199	N/A - State-Owned Property		
7,124	22	N/A - State-Owned Property		
8,805	20	\$ 1.0656	\$ 9,382.92	\$ 112,595.04
7,475	27	0.3567	2,665.42	31,985.04
167,074	637	1.4255	238,156.46	2,857,877.52
10,964		0.2871	3,178.70	38,144.40
2,000		0.5997	1,199.33	14,391.96
15,274	61	1.3941	21,293.87	255,256.44
2,160		0.5208	1,125.00	13,500.00
26,084	99	0.7891	20,584.12	247,009.44
1,500	2	0.7142	1,071.35	12,856.20
12,109	32	1.1900	14,409.71	172,916.52
23,160	17	1.1620	26,912.38	322,948.56
4,980	15	1.6737	8,335.02	100,020.24
6,848	21	0.9121	6,246.18	74,954.16
8,882	16	0.9100	8,081.33	96,975.96
7,913	14	0.9658	7,642.64	91,711.68
330		0.4545	150.00	1,800.00
17,020	62	1.6492	28,069.19	336,830.28
2,135	6	0.8592	1,834.43	22,013.16
15,640	51	0.8271	12,590.07	151,080.84
13,225	29	0.8553	12,243.39	146,920.68
1,871	6	1.2142	2,271.18	27,254.16
	<u>2633</u>		<u>\$ 427,442.69</u>	<u>\$ 5,129,042.28</u>

-UNAUDITED-

PROFESSIONAL/CONSULTING FEES AND LEGAL SERVICE FEES
For the Fiscal Year Ended August 31,2013

PAYEE	AMOUNT	PURPOSE
AGILENT TECHNOLOGIES INC	\$ 800.00	EDUCATIONAL/TRAINING SERVICES
AMEC ENVIRONMENT & INFRASTRUCTURE INC	688,096.62	ARCHITECTURAL/ENGINEERING SERVICES
AMERICAN WATER WORKS ASSOCIATION TEXAS	92,794.17	OTHER PROFESSIONAL SERVICES
ANALYTICAL EXCELLENCE INC	1,200.00	OTHER PROFESSIONAL SERVICES
ANTEA USA INC	46,028.08	ARCHITECTURAL/ENGINEERING SERVICES
ANTEA USA INC	3,288,018.86	OTHER PROFESSIONAL SERVICES
AQS INC	2,640.00	OTHER PROFESSIONAL SERVICES
ARTS+LABOR	86,368.55	OTHER PROFESSIONAL SERVICES
ATC ASSOCIATES INC	120,545.66	ARCHITECTURAL/ENGINEERING SERVICES
ATKINS NORTH AMERICA INC	290,539.35	OTHER PROFESSIONAL SERVICES
BANSAR TECHNOLOGIES INC	218,715.30	COMPUTER PROGRAMMING SERVICES
C & T INFORMATION TECHNOLOGY CONSULTING INC	376,739.95	INFORMATION TECHNOLOGY SERVICES
CARDNO ATC	28,888.58	OTHER PROFESSIONAL SERVICES
CATAPULT SYSTEMS INC	82,000.00	COMPUTER PROGRAMMING SERVICES
CGI TECHNOLOGIES AND SOLUTIONS INC	2,989,491.00	INFORMATION TECHNOLOGY SERVICES
CITY OF DALLAS	531,204.08	OTHER PROFESSIONAL SERVICES
CITY OF EL PASO	313,063.44	OTHER PROFESSIONAL SERVICES
CITY OF FORT WORTH	424,373.65	OTHER PROFESSIONAL SERVICES
CITY OF HOUSTON	751,507.02	OTHER PROFESSIONAL SERVICES
CITY OF LAREDO	66,697.98	OTHER PROFESSIONAL SERVICES
CLIFTON LARSON ALLEN LLP	1,500.00	OTHER PROFESSIONAL SERVICES
CMP MANAGEMENT INC	16,240.00	EDUCATIONAL/TRAINING SERVICES
CRITICAL WATCH	6,250.00	OTHER PROFESSIONAL SERVICES
CULLIGAN OF AUSTIN	932,417.24	OTHER PROFESSIONAL SERVICES
D AND H PETROLEUM AND ENVIRONMENTAL SERVICES	60,091.55	OTHER PROFESSIONAL SERVICES
DADE MOELLER & ASSOCIATES INC	44,846.48	OTHER PROFESSIONAL SERVICES
DANIEL B STEPHENS	1,619,299.07	ARCHITECTURAL/ENGINEERING SERVICES
DARCY ENVIRONMENTAL GROUP	67,106.37	OTHER PROFESSIONAL SERVICES
DEER OAKS EAP SERVICES LLC	36,814.55	OTHER PROFESSIONAL SERVICES
DESERT RESEARCH INSTITUTE	12,335.00	EDUCATIONAL/TRAINING SERVICES
DIGITAL GLOBE INC	3,654.00	OTHER PROFESSIONAL SERVICES
DIOS DADO ENVIRONMENTAL LTD	333,445.46	OTHER PROFESSIONAL SERVICES
DYNAMIC COMPUTING SERVICES CORPORATION	165,516.25	INFORMATION TECHNOLOGY SERVICES
E E & G INC	54,977.54	ARCHITECTURAL/ENGINEERING SERVICES
EA ENGINEERING SCIENCE AND TECHNOLOGY	859,722.15	ARCHITECTURAL/ENGINEERING SERVICES
EAGLE PASS ISD	15,999.99	OTHER PROFESSIONAL SERVICES
EASTERN RESEARCH GROUP INC	227,336.71	OTHER PROFESSIONAL SERVICES
ECOLOGY & ENVIRONMENT INC	384,250.31	ARCHITECTURAL/ENGINEERING SERVICES
EMERALD ENVIRONMENTAL SERVICES LTD	201,180.00	OTHER PROFESSIONAL SERVICES
EMPLOYEES RETIREMENT SYSTEM	132,000.00	OTHER PROFESSIONAL SERVICES
ENFOLD SYSTEMS INC	108,057.50	INFORMATION TECHNOLOGY SERVICES
ENFOTECH AND CONSULTING INC	261,927.00	INFORMATION TECHNOLOGY SERVICES
ENPROTEC INC/HIBBS AND TODD INC	1,604,268.99	ARCHITECTURAL/ENGINEERING SERVICES
ENVIRON INTERNATIONAL CORPORATION	246,235.61	OTHER PROFESSIONAL SERVICES
ENVIRONMENTAL RESOURCES MANAGEMENT SOUTHWEST INC	4,900.00	EDUCATIONAL/TRAINING SERVICES
ENVIRONMENTAL SYSTEMS RESEARCH INSTITUTE INC	9,090.00	EDUCATIONAL/TRAINING SERVICES
ERG	75,786.50	OTHER PROFESSIONAL SERVICES
ESI INTERNATIONAL	76,302.44	EDUCATIONAL/TRAINING SERVICES
FREDERICK W LIPFERT	5,000.00	OTHER PROFESSIONAL SERVICES
GALVESTON COUNTY HEALTH DISTRICT	110,823.28	OTHER PROFESSIONAL SERVICES
GARTNER INC	23,025.00	OTHER PROFESSIONAL SERVICES
GEO STRATA ENVIRONMENTAL CONSULTANTS	348,059.67	OTHER PROFESSIONAL SERVICES
GORRONDONA & ASSOCIATES INC	203,479.84	ARCHITECTURAL/ENGINEERING SERVICES
GRADCO LLC DBA GRADIENT	83,644.30	OTHER PROFESSIONAL SERVICES
GRIMES AND ASSOCIATES CONSULTING ENGINEERS LP	269,648.74	ARCHITECTURAL/ENGINEERING SERVICES
GROUNDWATER SERVICES INC	4,995.00	EDUCATIONAL/TRAINING SERVICES

-UNAUDITED-

PROFESSIONAL/CONSULTING FEES AND LEGAL SERVICE FEES
For the Fiscal Year Ended August 31,2013

PAYEE	AMOUNT	PURPOSE
HACH COMPANY	\$ 1,250.00	EDUCATIONAL/TRAINING SERVICES
HOME TEAM SERVICES LLC DBA GLOBAL NETWATCH	1,708.29	INFORMATION TECHNOLOGY SERVICES
IBRIDGE GROUP INC	494,764.14	INFORMATION TECHNOLOGY SERVICES
IMAGE API LLC	54,006.85	OTHER PROFESSIONAL SERVICES
INCONTROL TECHNOLOGIES INC	1,343,888.74	ARCHITECTURAL/ENGINEERING SERVICES
INFICON INC	10,418.13	EDUCATIONAL/TRAINING SERVICES
INFORMATION NETWORK INTERNATIONAL INC	34,016.32	INFORMATION TECHNOLOGY SERVICES
IPSO FACTO CONSULTING INC	361,619.73	OTHER PROFESSIONAL SERVICES
JET SOFTWARE SOLUTIONS INC	3,056,831.50	INFORMATION TECHNOLOGY SERVICES
JOHN JACOB	213.03	EDUCATIONAL/TRAINING SERVICES
JOSEPH H HART	1,350.00	OTHER PROFESSIONAL SERVICES
KARL BAYER DISPUTE RESOLUTION SPECIALISTS	3,600.00	OTHER PROFESSIONAL SERVICES
KLEINFELDER	23,793.97	OTHER PROFESSIONAL SERVICES
KOOS & ASSOCIATES INC	33,589.90	OTHER PROFESSIONAL SERVICES
LABORATORY DATA CONSULTANTS INC	7,500.00	EDUCATIONAL/TRAINING SERVICES
LEAK SURVEYS INC	131,016.04	OTHER PROFESSIONAL SERVICES
LINEBARGER GOGGAN BLAIR SAMPSON LLP	116,290.53	FINANCIAL AND ACCOUNTING SERVICES
LOBLOLLY CONSULTING LLC	188,168.00	COMPUTER PROGRAMMING SERVICES
LOWER COLORADO RIVER AUTHORITY	74,446.55	OTHER PROFESSIONAL SERVICES
MARSHALL & LEWIS LLP	425.00	OTHER PROFESSIONAL SERVICES
METEOSTAR A DIVISION OF SUTRON CORPORATION	29,287.65	INFORMATION TECHNOLOGY SERVICES
MICHAEL J SCHLESS P C	1,400.00	OTHER PROFESSIONAL SERVICES
MICROASSIST INC	1,740.00	EDUCATIONAL/TRAINING SERVICES
MICROASSIST INC	62,183.00	EDUCATIONAL/TRAINING SERVICES
MYERS AND STAUFFER LC	1,500.00	OTHER PROFESSIONAL SERVICES
NATIONAL PARK SERVICE	13,892.84	OTHER PROFESSIONAL SERVICES
NATIONAL SEMINARS GROUP A DIVISION OF ROCKHURST	2,900.00	EDUCATIONAL/TRAINING SERVICES
NEUBUS INC	82,248.82	DATA PROCESSING SERVICES
NEW HORIZONS COMPUTER LEARNING CENTER OF AUSTIN	19,940.38	EDUCATIONAL/TRAINING SERVICES
OMEGA PROJECT SOLUTIONS INC	43,800.00	COMPUTER PROGRAMMING SERVICES
ONSIGHT	5,925.99	EDUCATIONAL/TRAINING SERVICES
ORSAT L L C	581,651.90	OTHER PROFESSIONAL SERVICES
PACOTECH INC	2,329,137.98	OTHER PROFESSIONAL SERVICES
PLUYMEN LAW PLLC	1,450.00	OTHER PROFESSIONAL SERVICES
POWERPLAN CONSULTANTS INC	12,500.00	EDUCATIONAL/TRAINING SERVICES
PRECISION MICROGRAPHICS AND IMAGING INC	214,909.26	OTHER PROFESSIONAL SERVICES
PROGRESSIVE ENVIRONMENTAL SERVICES INC	646,930.56	OTHER PROFESSIONAL SERVICES
QUANTUM ENVIRONMENTAL CONSULTANTS INC	43,092.71	OTHER PROFESSIONAL SERVICES
RANGER ENVIRONMENTAL SERVICES INC	317,662.16	ARCHITECTURAL/ENGINEERING SERVICES
REPRINTS DESK INC	8,227.36	OTHER PROFESSIONAL SERVICES
RESEARCH SOLUTIONS	1,933.50	OTHER PROFESSIONAL SERVICES
RICHARD D GRANT JR PHD PC	2,002.36	EDUCATIONAL/TRAINING SERVICES
SAN ANTONIO METROPOLITAN HEALTH DISTRICT	513,264.45	OTHER PROFESSIONAL SERVICES
SCS ENVIRONMENTAL CONSULTANTS INC	20,024.74	OTHER PROFESSIONAL SERVICES
SENTARI TECHNOLOGIES INC	161,380.00	COMPUTER PROGRAMMING SERVICES
SHAW ENVIRONMENTAL & INFRASTRUCTURE INC	117,733.79	OTHER PROFESSIONAL SERVICES
SHAW ENVIRONMENTAL & INFRASTRUCTURE INC	86,520.62	OTHER PROFESSIONAL SERVICES
SHAW ENVIRONMENTAL & INFRASTRUCTURE INC	1,374,952.34	ARCHITECTURAL/ENGINEERING SERVICES
SHEPHERD TECHNICAL SERVICES	64,683.00	OTHER PROFESSIONAL SERVICES
SHI GOVERNMENT SOLUTIONS INC	650.00	EDUCATIONAL/TRAINING SERVICES
SIELKEN AND ASSOCIATES CONSULTING	114,223.83	OTHER PROFESSIONAL SERVICES
SLA ENVIRONMENTAL SERVICES LTD	36,454.89	OTHER PROFESSIONAL SERVICES
SOUDER MILLER & ASSOCIATES	71,410.26	OTHER PROFESSIONAL SERVICES
SOUTHWEST GEOLOGICAL & ENVIRONMENTAL SERVICES	700,982.46	ARCHITECTURAL/ENGINEERING SERVICES
STATE AUDITOR'S OFFICE	49,003.79	FINANCIAL AND ACCOUNTING SERVICES

-UNAUDITED-

PROFESSIONAL/CONSULTING FEES AND LEGAL SERVICE FEES
For the Fiscal Year Ended August 31,2013

<u>PAYEE</u>	<u>AMOUNT</u>	<u>PURPOSE</u>
SURVEYING AND MAPPING INC	\$ 64,928.20	ARCHITECTURAL/ENGINEERING SERVICES
SUTRON CORPORATION	129,105.00	OTHER PROFESSIONAL SERVICES
TALON HYDRAULICS	298,062.17	ARCHITECTURAL/ENGINEERING SERVICES
TALON LPE LTD	1,237,491.34	ARCHITECTURAL/ENGINEERING SERVICES
TALON LPE LTD	5,370.44	OTHER PROFESSIONAL SERVICES
TECHNICAL MONITORING SERVICES INC	184,500.00	OTHER PROFESSIONAL SERVICES
TERA	52,863.71	OTHER PROFESSIONAL SERVICES
TERRA-SOLVE INC	22,274.81	ARCHITECTURAL/ENGINEERING SERVICES
TEXAS A&M ENGINEERING EXTENSION SERVICE	213,097.00	EDUCATIONAL/TRAINING SERVICES
TEXAS COMPTROLLER OF PUBLIC ACCOUNTS	6,595.00	OTHER PROFESSIONAL SERVICES
TEXAS DEPARTMENT OF INFORMATION RESOURCES	10,272,729.77	COMPUTER SERVICES-TECH CENTER
TEXAS DEPARTMENT OF PUBLIC SAFETY	8,398.00	OTHER PROFESSIONAL SERVICES
TEXAS ENGINEERING EXTENSION SERVICE	11,394.00	EDUCATIONAL/TRAINING SERVICES
TEXAS NATURAL RESOURCES INFORMATION SYSTEMS	675.00	EDUCATIONAL/TRAINING SERVICES
TEXAS PARKS & WILDLIFE DEPARTMENT	228,185.00	OTHER PROFESSIONAL SERVICES
TEXAS RURAL WATER ASSOCIATION	950,725.34	OTHER PROFESSIONAL SERVICES
TEXAS WATER DEVELOPMENT BOARD	4,725.00	EDUCATIONAL/TRAINING SERVICES
TEXAS WORKFORCE COMMISSION	35,248.00	OTHER PROFESSIONAL SERVICES
THE GREENTREE GROUP	90,120.00	COMPUTER PROGRAMMING SERVICES
THE NELAC INSTITUTE	1,000.00	EDUCATIONAL/TRAINING SERVICES
TIBH INDUSTRIES INC - TEMPS	19,983.34	INFORMATION TECHNOLOGY SERVICES
TLI SOLUTIONS INC	66,001.28	OTHER PROFESSIONAL SERVICES
TOM COLLINS	2,300.00	OTHER PROFESSIONAL SERVICES
TRADEMARK MEDIA	1,356.30	INFORMATION TECHNOLOGY SERVICES
TUERFF-DAVIS ENVIROMEDIA INC	418,790.31	OTHER PROFESSIONAL SERVICES
UNITED STATES GEOLOGICAL SURVEY	502,861.03	OTHER PROFESSIONAL SERVICES
UNIVERSITY OF TEXAS AT AUSTIN	88,525.00	OTHER PROFESSIONAL SERVICES
UNIVERSITY OF TEXAS HEALTH SERVICES	407,344.50	MEDICAL SERVICES
URS CORPORATION	4,917,048.78	ARCHITECTURAL/ENGINEERING SERVICES
US ENVIRONMENTAL PROTECTION AGENCY	1,658,083.71	ARCHITECTURAL/ENGINEERING SERVICES
US ENVIRONMENTAL PROTECTION AGENCY	1,333.47	EDUCATIONAL/TRAINING SERVICES
UT HEALTH CENTER AT TYLER	24,927.00	MEDICAL SERVICES
UXO PRO INC	83,888.11	ARCHITECTURAL/ENGINEERING SERVICES
VAISALA INC	82,184.68	OTHER PROFESSIONAL SERVICES
VAN DEVENTER & ASSOCIATES INC	6,638.02	OTHER PROFESSIONAL SERVICES
WEST TEXAS A&M UNIVERSITY	79,608.95	COMPUTER PROGRAMMING SERVICES
WESTON SOLUTION INC	1,600,136.37	ARCHITECTURAL/ENGINEERING SERVICES
WESTON SOLUTION INC	5,362.70	OTHER PROFESSIONAL SERVICES
WILKINS GROUP INC	5,388.48	INFORMATION TECHNOLOGY SERVICES
WRS COMPASS	274,301.44	ARCHITECTURAL/ENGINEERING SERVICES
X8 ENVIRONMENTAL INC	494,338.48	ARCHITECTURAL/ENGINEERING SERVICES
TOTAL PROFESSIONAL & CONSULTING FEES	\$ <u>57,242,325.92</u>	
RECLASSIFICATION OF FEES TO THE CAPITAL ASSET CONSTRUCTION IN PROGRESS ACCOUNT DUE TO INTERNALLY DEVELOPED SOFTWARE COST REQUIRING CAPITALIZATION	\$ <u>(3,607,850.58)</u>	
TOTAL PROFESSIONAL & CONSULTING FEES	\$ <u>53,634,475.34</u>	
LEGAL SERVICES FEES		
STATE OFFICE OF ADMINISTRATIVE HEARINGS	<u>2,098,136.11</u>	
TOTAL LEGAL SERVICES FEES	\$ <u>2,098,136.11</u>	
TOTAL PROFESSIONAL CONSULTING AND LEGAL SERVICES FEES REPORTED ON ANNUAL FINANCIAL REPORT	\$ <u><u>55,732,611.45</u></u>	

-UNAUDITED-

SCHEDULE OF ITEMIZED PURCHASES (PROPRIETARY PURCHASES)
Fiscal Year Ended August 31, 2013

Vendor Name	Amount	Purpose	Justification
McCoy and Associates, Inc.	\$ 125.00	McCoy's CAA Unraveled, First Edition (ISBN: 978-0-930469-53-5). Reference book for APD staff	McCoy publications are proprietary publications sold directly by McCoy & Associates and are not available through intermediaries or distributors.
Flir Commercial Systems, Inc.	\$ 27,000.00	Optical Gas Imaging Training Course On-site training event will provide a FLIR-based five year Optical Gas Imaging Certification for 25 staff members of the TCEQ Office of Compliance and Enforcement	Optical gas imaging has proved to be a technological advancement in pollution detection capability in the volatile organic compounds from leaks and previously unidentified emission sources. This technology assists the Agency in actions such as facility and reconnaissance investigations, mobile monitoring, and special projects.
Waters Technologies Corporation	\$ 10,450.00	Maintenance contract - Ultra Performance Liquid Chromatograph (UPLC) Systems and PDA Detector	Maintenance/service agreement for TCEQ owned Waters Technologies Corporation Ultra Performance Liquid Chromatograph (UPLC) Systems and PDA Detector. Service to begin September 1, 2012 and end August 31, 2013.
Ludlum Measurements, Inc.	\$ 20,568.09	Ludlum Measurements radiation detection survey equipment for Homeland Security and Model 2224-1GM Detectors Model 78 for WCS staff in Andrews	Must have this brand and model due to compatibility with existing equipment and compliance of inspections.
Entech Instruments, Inc.	\$ 82,021.00	Air Toxic Preconcentrator with Mini Controller and Digital Autosampler Tower	Must have this brand and model due to compatibility with existing equipment and compliance of inspections.
Aquatic Informatics, Inc.	\$ 32,062.50	Aquarius software for Water Quality Planning Division, Data Management and Analysis Team	Aquarius software is designed specifically for water data, is customizable by the program area, has data analysis tools, non-editable history trail, 'look back' data feature, web-access to process data, data import flexibility, spike removal, rating curve & drift adjustment features, and reports can be built as needed.

-UNAUDITED-

HUB STRATEGIC PLAN PROGRESS REPORT
For the Year Ended August 31, 2013

Goal = Strategic Plan HUB Goal	Actual for FY2012	Actual for FY2013	Goal for FY2014
Actual = % Spent with HUBs from HUB Report			
Heavy Construction other than building contracts	N/A	N/A	N/A
Building construction, including general contractors and operative builders contracts	N/A	N/A	N/A
Special trade construction contracts	N/A	N/A	N/A
Professional services contracts	22.85%	23.48%	23.6%
Other services contracts	36.96%	35.10%	24.6%
Commodities contracts	34.18%	27.82%	21.0%

Prepared by: Laura Cagle

Approved by: Dorca Zaragoza-Stone

Phone Number: (512) 239-1293

Phone Number: (512) 239- 4866

-UNAUDITED-

APPROPRIATION ITEM TRANSFER SCHEDULE
Fiscal Year Ended August 31, 2013

Item of Appropriation (Strategies)	<u>Transfers In</u>	<u>Transfers Out</u>	<u>Net Transfers</u>
A. Goal: Assessment, Planning and Permitting			
Strategies:			
A.1.1. 13034 Air Quality Assessment and Planning	\$ 2,269,876.00	\$ (2,169,876.00)	\$
A.1.2. 13035 Water Assessment and Planning	519,606.68	(176,438.17)	343,168.51
A.1.3. 13036 Waste Assessment and Planning	10,000.00	(77,305.14)	(67,305.14)
A.2.1. 13031 Air Quality Permitting			
A.2.2. 13032 Water Resource Permitting	1,608.47	(402,109.93)	(400,501.46)
A.2.3. 13033 Waste Management and Permitting		(10,000.00)	
A.2.4. 13043 Occupational Licensing		(12,087.54)	
A.3.1. 13038 Low-Level Radioactive Waste		(79,555.93)	
Total Goal A: Assessment, Planning and Permitting	<u>\$ 2,801,091.15</u>	<u>\$ (2,927,372.71)</u>	<u>\$ (126,281.56)</u>
B. Goal: Drinking Water & Water Utilities			
Strategies:			
B.1.1. 13039 Safe Drinking Water	\$ 2,505,802.81	\$ (56,808.07)	\$
B.1.2. 13040 Water Utilities Oversight	177,615.00	(753,467.00)	
Total Goal B: Drinking Water & Water Utilities	<u>\$ 2,683,417.81</u>	<u>\$ (810,275.07)</u>	<u>\$ 1,873,142.74</u>
C. Goal: Enforcement and Compliance			
Strategies:			
C.1.1. 13041 Field Inspections and Complaints	\$ 209,797.80	\$ (841,404.03)	\$ (631,606.23)
C.1.2. 13042 Enforcement and Compliance Support	251,753.00	(310,919.32)	(59,166.32)
C.1.3. 13037 Pollution Prevention Recycling	76,000.00	(185,011.42)	
Total Goal C: Enforcement and Compliance	<u>\$ 537,550.80</u>	<u>\$ (1,337,334.77)</u>	<u>\$ (799,783.97)</u>
D. Goal: Pollution Cleanup			
Strategies:			
D.1.1. 13044 Storage Tank Admin & Cleanup	\$	\$	\$
D.1.2. 13046 Hazardous Materials Cleanup	627,517.45		
Total Goal D: Pollution Cleanup	<u>\$ 627,517.45</u>	<u>\$ 0.00</u>	<u>\$ 627,517.45</u>
E. Goal: River Compact Commission			
Strategies:			
E.1.1. 13050 Canadian River Compact	\$	\$ (5,591.10)	\$ (5,591.10)
E.1.2. 13051 Pecos River Compact		(25,749.98)	(25,749.98)
E.1.3. 13052 Red River Compact	1,713.28	(500.00)	
E.1.4. 13053 Rio Grande River Compact	34,127.80		34,127.80
E.1.5. 13054 Sabine River Compact		(4,000.00)	(4,000.00)
Total Goal E: River Compact Commission	<u>\$ 35,841.08</u>	<u>\$ (35,841.08)</u>	<u>\$ 0.00</u>
F. Goal: Indirect Administration			
Strategies:			
F.1.1. 13800 Central Administration	\$ 32,087.54	\$ (903,980.81)	\$ (871,893.27)
F.1.2. 13801 Information Resources	25,362.44	(699,127.00)	(673,764.56)
F.1.3. 13802 Other Support Services	51,895.07	(80,831.90)	(28,936.83)
Total Goal F: Indirect Administration	<u>\$ 109,345.05</u>	<u>\$ (1,683,939.71)</u>	<u>\$ (1,574,594.66)</u>
Net Appropriation Item Transfers	<u>\$ 6,794,763.34</u>	<u>\$ (6,794,763.34)</u>	<u>\$ 0.00</u>

* This schedule does not include Benefit Replacement Pay Transfers, Salary Increase Transfers, or Longevity Transfers.

-UNAUDITED-

SCHEDULE OF VEHICLES PURCHASED
Fiscal Year Ended August 31, 2013

<u>Make</u>	<u>Model</u>	<u>Quantity</u>	<u>Purchase Price</u>	<u>Type of Use</u>	<u>Fuel Efficiency In Average Miles per Gallon</u>
-	-	-	-	-	-
		<u> </u>	<u> </u>		
	Total	<u> </u> <u> </u> 0	\$ <u> </u> <u> </u> \$0.00		

-UNAUDITED-

INDIRECT COST SCHEDULE
Fiscal Year Ended August 31, 2013

A. Payroll Related Costs

FICA Employer Matching Contribution	\$	10,723,719	
Group Health Insurance		16,259,857	
Payroll Health Insurance Contribution		1,365,589	
Retirement		9,108,372	
Unemployment		<u>83,774</u>	
Total Payroll Related Costs			\$ 37,541,312

Workers' Compensation	\$	287,423	
Benefit Replacement Pay (BRP)		<u>779,787</u>	
Total Worker's Compensation and BRP			\$ 1,067,210

B. Indirect Costs

Bond Debt Service Payments - TFC	\$	-	
TPFA		<u>-</u>	
Total Indirect Costs			\$ -

C. Indirect Costs - Statewide Full Cost Allocation Plan

Building Depreciation	\$	1,020,327	
(304) CPA Fiscal and ITD		993,703	
(304) CPA Purchasing & Support (TPASS)		(88,881)	
(304) CPA Rebates		(26,369)	
(304) CPA Rebates Adjust FY2012		(22,732)	
(313) Department of Information Resources		10,163	
(313) DIR Roll Forward Adjustment		(15,758)	
(405) Department of Public Safety Capitol Security		1,230	
(303) TFC Planning & Asset Management		350,099	
(303) TFC Facility Design & Const & Construction		(43,880)	
(301) Governor - Budget & Planning		622	
Total Indirect Costs - Statewide Full Cost Allocation Plan			\$ <u>2,178,524</u>

TOTAL INDIRECT COSTS \$ 40,787,046

-UNAUDITED-

Alternative Fuel Vehicle Progress Report Fiscal Year Ended August 31, 2013

Beginning in fiscal year 2010, a new annual reporting requirement was established pursuant to House Bill 432, 81st Legislature, Regular Session that changed Texas Government Code Section 2158.005. State agencies that operate a fleet of more than 15 motor vehicles, excluding law enforcement and emergency vehicles, must report their progress towards achieving at least 50% of their eligible motor vehicles using compressed natural gas, liquefied natural gas, liquefied petroleum gas, methanol or methanol/gasoline blends of 85 percent or greater, ethanol or ethanol/gasoline blends of 85 percent or greater, biodiesel or biodiesel/diesel blends of 20 percent or greater, or electricity, including electricity to power a plug-in hybrid motor vehicle.

The TCEQ fleet consisted of 391 motor vehicles, of which 232, or 59%, are considered alternative fuel vehicles. The total eligible motor vehicles subject to the statute is 68, of which 55, or 81%, are considered alternative fuel vehicles, thereby exceeding the requirement of this statute. All motor vehicles are purchased and there were no leases or recent alternative fuel conversion on any of the TCEQ's vehicles. On the following page is an itemized listing of the eligible vehicles.

The agency's Liquefied Petroleum Gas (LPG) usage has decreased due to a limited number of facilities that repair outdated LPG converted vehicles and the agency's decision to replace the outdated LPG vehicles by purchasing newer, fuel efficient vehicles. The E85 and Biodiesel fuels are not readily available throughout the State of Texas. The agency currently has 29, or 43% of 68 eligible vehicles that are considered hybrids.

The agency exceeds the required 50% of alternative fuel vehicles, but fuel availability remains a concern for the agency. There are many LPG fueling stations throughout Texas, however, many of these stations operate only Monday through Friday from 8:00 a.m. to 5:00 p.m. and most do not accept the new Voyager Fleet Card. Fuel vendors are conducting plans to install 24-hour LPG stations along major routes in Texas. Currently, there are only a few vendors who dispense E85 fuel and accept the new Voyager Fleet Card.

Schedule of Fuel Consumption – Total Motor Vehicle Fleet Fiscal Years Ended 2012 and 2013

FY2012	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Gas/Diesel	16,322	18,491	14,523	14,183	13,591	15,713	17,461	15,242	15,619	17,024	17,928	19,342
LPG/E85	73	65	93	78	20	129	184	174	39	127	65	30
Total Fuel	16,395	18,555	14,616	14,261	13,610	15,843	17,645	15,416	15,659	17,151	17,993	19,372
Total Miles	214,800	290,910	298,158	216,949	264,659	297,769	302,599	296,457	342,827	329,608	283,476	313,621
Avg. MPG	13	16	20	15	19	19	17	19	22	19	16	16
FY2013	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Gas/Diesel	10350	18040	17560	18628	14272	15849	16160	18914	19501	18133	17434	20717
LPG/E85	190	126	133	179	22	54	68	34	163	99	72	28
Total Fuel	10,540	18,167	17,694	18,807	14,294	15,903	16,228	18,948	19,665	18,232	17,505	20,746
Total Miles	251,504	315,719	183,653	126,450	248,701	291,903	263,615	358,194	325,516	312,075	335,173	324,933
Avg. MPG	24	17	10	7	17	18	16	19	17	17	19	16

-UNAUDITED-

**VEHICLES ELIGIBLE FOR ALTERNATIVE FUEL REPORTING REQUIREMENT
FISCAL YEAR ENDED AUGUST 31, 2013**

Physical Location	Alternative Fuel		Year	Make	Model	Asset #	Vehicle Class	Acquisition Date	Tier Bin
	Fuel Type	Capable							
ABELINE	Unleaded	No	2011	FORD	FOCUS	49520	701 - PASSENGER CARS	7/27/2010	2 3
AMARILLO	Unleaded	No	2010	FORD	FOCUS	48659	701 - PASSENGER CARS	4/13/2010	2 3
AMARILLO	Unleaded	No	2010	FORD	FOCUS	48660	701 - PASSENGER CARS	4/13/2010	2 3
AMARILLO	Unleaded	Yes	2008	CHEV	UPLANDER	46556	716 - MINI-VANS	8/18/2008	2 5
BEAUMONT	Unleaded	No	2010	DODG	CARAVAN	48446	716 - MINI-VANS	11/17/2009	2 5
BEAUMONT	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46586	707 - SPORTS UTILITY VEHICLES	1/6/2009	2 3
BEAUMONT	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46585	707 - SPORTS UTILITY VEHICLES	1/6/2009	2 3
BEAUMONT	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46587	707 - SPORTS UTILITY VEHICLES	1/9/2009	2 3
CENTRAL OFFICE	Unleaded	No	2011	CHEV	HHR	52200	701 - PASSENGER CARS	4/29/2011	2 5
CENTRAL OFFICE	Unleaded	Yes	2008	CHEV	IMPALA	46552	701 - PASSENGER CARS	2/27/2008	2 5
CENTRAL OFFICE	Unleaded for Gas Hybrid	Yes	2008	TOYO	PRIUS	46547	701 - PASSENGER CARS	4/24/2008	2 3
CENTRAL OFFICE	Unleaded for Gas Hybrid	Yes	2008	TOYO	PRIUS	46549	701 - PASSENGER CARS	4/24/2008	2 3
CENTRAL OFFICE	Unleaded for Gas Hybrid	Yes	2008	TOYO	PRIUS	46550	701 - PASSENGER CARS	5/2/2008	2 3
CENTRAL OFFICE	Unleaded for Gas Hybrid	Yes	2008	FORD	ESCAPE HYBRID	46543	707 - SPORTS UTILITY VEHICLES	10/31/2005	2 3
CENTRAL OFFICE	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46551	707 - SPORTS UTILITY VEHICLES	10/2/2008	2 3
CENTRAL OFFICE	Unleaded	Yes	2010	CHEV	IMPALA	48917	701 - PASSENGER CARS	6/7/2010	2 4
CENTRAL OFFICE	Unleaded	Yes	2010	CHEV	IMPALA	48918	701 - PASSENGER CARS	6/7/2010	2 4
CENTRAL OFFICE	Unleaded	Yes	2010	CHEV	IMPALA	48919	701 - PASSENGER CARS	6/7/2010	2 4
CENTRAL OFFICE	Unleaded for Gas Hybrid	Yes	2006	CHEV	SILVERADO HYBRID	44340	709 - LIGHT TRUCKS 8600LBS AND UNDER	3/1/2006	2 8
CENTRAL OFFICE	Unleaded	Yes	2006	CHEV	IMPALA	44366	701 - PASSENGER CARS	3/24/2006	2 5
CENTRAL OFFICE	Unleaded for Gas Hybrid	Yes	2006	FORD	ESCAPE HYBRID	44339	707 - SPORTS UTILITY VEHICLES	5/17/2006	2 4
CENTRAL OFFICE	Unleaded for Gas Hybrid	Yes	2009	CHEV	MALIBU HYBRID	52185	701 - PASSENGER CARS	3/29/2011	2 5
CENTRAL OFFICE	Unleaded for Gas Hybrid	Yes	2009	CHEV	MALIBU HYBRID	52186	701 - PASSENGER CARS	3/29/2011	2 5
CENTRAL OFFICE	Unleaded	Yes	2011	CHEV	IMPALA	52194	701 - PASSENGER CARS	4/6/2011	2 4
CENTRAL OFFICE	Unleaded	Yes	2011	CHEV	IMPALA	52192	701 - PASSENGER CARS	4/6/2011	2 4
CENTRAL OFFICE	Unleaded	Yes	2011	CHEV	IMPALA	52193	701 - PASSENGER CARS	4/6/2011	2 4
CORPUS CHRISTI	Unleaded	No	2010	FORD	FUSION	51816	701 - PASSENGER CARS	2/14/2011	2 5
CORPUS CHRISTI	E85	Yes	2008	CHEV	UPLANDER	46981	716 - MINI-VANS	6/30/2008	2 5
CORPUS CHRISTI	E85	Yes	2008	CHEV	UPLANDER	46982	716 - MINI-VANS	6/30/2008	2 5
CORPUS CHRISTI	Unleaded	Yes	2008	DODG	DAKOTA QUAD CAB	46983	709 - LIGHT TRUCKS 8600LBS AND UNDER	7/21/2008	2 8
CORPUS CHRISTI	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46980	707 - SPORTS UTILITY VEHICLES	12/31/2008	2 3
DFW	Unleaded for Gas Hybrid	No	2009	FORD	ESCAPE HYBRID	46568	707 - SPORTS UTILITY VEHICLES	12/3/2008	2 3
DFW	E85	Yes	2008	CHEV	UPLANDER	46578	716 - MINI-VANS	7/22/2008	2 5
DFW	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46567	707 - SPORTS UTILITY VEHICLES	11/24/2008	2 3
EL PASO	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46577	707 - SPORTS UTILITY VEHICLES	12/9/2008	2 3
EL PASO	Unleaded	Yes	2011	FORD	ECONOLINE	52159	708 - CARGO AND PASSENGER VANS 708	3/8/2011	2 8
HARLINGEN	Unleaded	No	2010	DODG	CARAVAN	48447	716 - MINI-VANS	11/25/2009	2 5
HARLINGEN	Unleaded	No	2010	FORD	EXPEDITION	49572	707 - SPORTS UTILITY VEHICLES	7/12/2010	2 7
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46593	707 - SPORTS UTILITY VEHICLES	12/30/2008	2 3
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46594	707 - SPORTS UTILITY VEHICLES	1/9/2009	2 3
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46591	707 - SPORTS UTILITY VEHICLES	12/30/2008	2 3
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46592	707 - SPORTS UTILITY VEHICLES	12/30/2008	2 3
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	TOYO	PRIUS	47800	701 - PASSENGER CARS	4/28/2009	2 3
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	TOYO	PRIUS	47799	701 - PASSENGER CARS	4/28/2009	2 3
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	TOYO	PRIUS	47801	701 - PASSENGER CARS	4/28/2009	2 3
HOUSTON	Unleaded	Yes	2006	FORD	F150	44342	709 - LIGHT TRUCKS 8600LBS AND UNDER	3/24/2006	2 8
HOUSTON	Unleaded	Yes	2006	FORD	F150	44341	709 - LIGHT TRUCKS 8600LBS AND UNDER	3/24/2006	2 8
HOUSTON	Unleaded	Yes	2006	FORD	F150	44343	709 - LIGHT TRUCKS 8600LBS AND UNDER	3/24/2006	2 8
HOUSTON	Unleaded for Gas Hybrid	Yes	2006	FORD	ESCAPE HYBRID	44344	707 - SPORTS UTILITY VEHICLES	4/19/2006	2 4
HOUSTON	Unleaded for Gas Hybrid	Yes	2006	FORD	ESCAPE HYBRID	44345	707 - SPORTS UTILITY VEHICLES	5/15/2006	2 4
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46590	707 - SPORTS UTILITY VEHICLES	12/23/2008	2 3
LUBBOCK	Unleaded	No	2012	FORD	FOCUS	52262	701 - PASSENGER CARS	5/20/2011	2 3
LUBBOCK	E85	Yes	2008	CHEV	UPLANDER	46558	716 - MINI-VANS	8/18/2008	2 5
MIDLAND	Unleaded	No	2011	CHEV	HHR	52201	701 - PASSENGER CARS	4/29/2011	2 5
MIDLAND	E85	Yes	2008	CHEV	UPLANDER	46579	716 - MINI-VANS	7/22/2008	2 5
MIDLAND	Unleaded	Yes	2006	FORD	F150	44323	709 - LIGHT TRUCKS 8600LBS AND UNDER	4/17/2006	2 8
MIDLAND	Unleaded	Yes	2006	FORD	F150	44322	709 - LIGHT TRUCKS 8600LBS AND UNDER	5/24/2006	2 8
SAN ANGELO	Unleaded	Yes	2008	CHEV	UPLANDER	46555	716 - MINI-VANS	8/18/2008	2 5
SAN ANTONIO	Unleaded	No	2011	CHEV	IMPALA	51817	701 - PASSENGER CARS	2/10/2011	2 4
SAN ANTONIO	E85	Yes	2008	CHEV	UPLANDER	46978	716 - MINI-VANS	6/23/2008	2 5
SAN ANTONIO	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46977	707 - SPORTS UTILITY VEHICLES	1/2/2009	2 3
SAN ANTONIO	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	47796	707 - SPORTS UTILITY VEHICLES	7/10/2009	2 3
TYLER	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46573	707 - SPORTS UTILITY VEHICLES	1/14/2009	2 3
WACO	Unleaded	No	2010	FORD	ESCAPE	49578	707 - SPORTS UTILITY VEHICLES	8/15/2010	2 5
WACO	Unleaded	Yes	2006	FORD	F150	44326	709 - LIGHT TRUCKS 8600LBS AND UNDER	4/12/2006	2 8
WACO	Unleaded	Yes	2006	FORD	F150	44330	709 - LIGHT TRUCKS 8600LBS AND UNDER	4/24/2006	2 8
WACO	Unleaded	Yes	2006	FORD	F150	44328	709 - LIGHT TRUCKS 8600LBS AND UNDER	5/16/2006	2 8
WACO	Unleaded	Yes	2006	FORD	F150	44327	709 - LIGHT TRUCKS 8600LBS AND UNDER	5/16/2006	2 8

SECTION II

STATEWIDE INFORMATION

REPORTABLE BY TCEQ

-UNAUDITED-

Analysis of Alternative Fuel Usage Reported by Agencies Fiscal Year Ended August 31, 2013

Beginning in fiscal year 2010, a new requirement was established pursuant to House Bill 432, 81st Legislature, Regular Session that changed Texas Government Code Section 2158.005. This requirement states that the TCEQ shall collect reasonable information needed to determine the air quality benefits from use of compressed natural gas, liquefied natural gas, liquefied petroleum gas, methanol or methanol/gasoline blends of 85 percent or greater, ethanol or ethanol/gasoline blends of 85 percent or greater, biodiesel or biodiesel/diesel blends of 20 percent or greater, or electricity, including electricity to power a plug-in hybrid motor vehicle, at affected agencies.

The following analysis is based on vehicle data reported by impacted agencies in the Texas Fleet System maintained by the Comptroller of Public Accounts. This data is required to be reported by state agencies that operate a fleet of more than 15 motor vehicles, excluding law enforcement and emergency vehicles. Many agencies are not required to report data because their vehicles do not fall within the requirements of the statute. The TCEQ extracted the vehicle information from the Texas Fleet System to prepare this analysis and reflects data reported by impacted agencies.

Benefits Derived From Alternative Fuels

Air quality benefits are not automatically achieved by switching from the use of gasoline or diesel to a different form of hydrocarbon fuel. Federal emission certification is fuel neutral in the sense that the same set of standards must be met regardless of the type of fuel that powers the vehicle. Provided below is a short summary of the current Federal Tier 2 emission standards (<http://www.epa.gov/tier2/finalrule.htm>) for light-duty passenger vehicles:

- Based on a 0.07 grams/mile full useful life (120,000 mile) fleet average nitrogen oxides (NO_x) standard.
- Vehicles assigned to various “bins” with Bin 5 considered the “average bin” because its useful life NO_x standard is 0.07 grams/mile.
- Manufacturer sales must average out to Bin 5 or better.

Federal Tier 2 120,000 Mile Useful Life Emission Standards (grams per mile)

Tier 2 Bin	NO _x	NMOG*	CO
1	0.00	0.000	0.0
2	0.02	0.010	2.1
3	0.03	0.055	2.1
4	0.04	0.070	2.1
5	0.07	0.090	4.2
6	0.10	0.090	4.2
7	0.15	0.090	4.2
8	0.20	0.125	4.2

* Non-methane organic gases, which are VOC plus ethane (or total hydrocarbons minus methane).

The “engine out” emissions of NO_x, volatile organic compounds (VOC), and carbon monoxide (CO) from different fuels can vary, but no modern vehicle powered by any type of hydrocarbon fuel (gasoline, diesel, natural gas, etc.) is able to meet these very tight standards without an operable form of exhaust after-treatment, such as a catalytic converter. Excluding vehicles powered solely by electricity or hydrogen, the tailpipe NO_x, VOC, and CO emissions of modern vehicles depend more on the efficiency of the exhaust after-treatment than on the type of fuel used by the engine. Provided below is a summary obtained from EPA’s Green Vehicle Guide website that provides a breakdown of the 1,265 Federally certified light-duty passenger vehicles for the 2012 model year by fuel type and Tier 2 bin (<http://www.epa.gov/greenvehicles/Download.do>):

-UNAUDITED-

Federal Tier 2 Certification	Compressed Natural Gas	Diesel Fuel	Electricity/Gasoline	Electricity Only	Ethanol/Gasoline	Gasoline Only	All Fuel Types
Bin 1				8			8
Bin 2	2					11	13
Bin 3			1			37	38
Bin 4			1		94	159	254
Bin 5		17	1		56	808	882
Bin 6							0
Bin 7							0
Bin 8					62	8	70
Total	2	17	3	8	212	1023	1265

As shown, roughly 70% of all new vehicles available are in the Bin 5 category and on-road emission inventory estimates are based on this fleet average assumption. In order to obtain additional air quality credit, it must be demonstrated that any new vehicle purchases/replacements that were going to come from Bin 5 are from Bins 1-4 instead. For 2012 and other recent model years, there are no production vehicles available powered by liquefied natural gas (LNG), liquefied petroleum gas (LPG), methanol, or methanol/gasoline blends.

Benefits are calculated by estimating how much less the Bins 1-4 vehicles emitted during the 2013 fiscal year than if they had been certified to Bin 5. The difference in emission rates by model year between Bins 1-4 versus Bin 5 is multiplied by the reported miles traveled during the 2013 fiscal year for the specific vehicle. Tables on the following pages summarize the number of Tier 2 vehicles by bin number reported by multiple state agencies. Separate tables are provided that summarize both annual and average work day benefits of NOX, VOC, and CO for the 2013 fiscal year. An annual total of 250 working days per year was assumed for this analysis. Benefits were not estimated for the following situations:

- vehicles certified to Tier 2 Bins 5, 6, 7, or 8;
- vehicles for which the Tier 2 bin category was not reported in the database; and
- vehicles for which no mileage was either accumulated or reported during the 2013 fiscal year.

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Number of 2004-and-Newer Vehicles Reported by State Agency and Tier 2 Bin

Agency Code	Agency Name	Number of 2004-and-Newer Vehicles by Tier 2 Bin									
		1	2	3	4	5	6	7	8	N/A	Total
302	Attorney General	0	0	2	39	2	0	1	2	0	46
303	Texas Facilities Commission	0	0	0	0	0	5	0	0	21	26
304	Comptroller of Public Accounts	0	0	0	0	0	0	0	1	0	1
305	General Land Office	0	0	0	0	2	1	16	0	11	30
401	Adjutant General	0	0	0	0	0	0	0	0	2	2
405	Department of Public Safety	0	0	5	85	136	0	0	38	17	281
455	Texas Railroad Commission	0	0	0	0	10	0	0	1	5	16
529	Health and Human Services Commission	0	0	0	0	6	0	0	0	4	10
537	Department of State Health Services	0	0	9	12	47	0	0	7	72	147
538	Department of Assistive and Rehabilitative Services	0	0	0	0	1	0	0	0	0	1
539	Department of Aging and Disability	0	0	0	3	7	0	0	0	22	32
551	Department of Agriculture	0	0	2	35	37	1	0	2	145	222
580	Texas Water Development Board	0	0	0	31	19	0	0	0	4	54
582	Texas Commission on Environmental Quality	0	0	27	10	18	0	1	12	0	68
592	Texas State Soil and Water Conservation Board	0	0	0	14	0	0	0	0	13	27
601	Texas Department of Transportation	0	0	55	26	39	0	0	28	36	184
608	Texas Department of Motor Vehicles	0	0	8	3	18	0	0	0	10	39
644	Texas Juvenile Justice Department	0	0	3	0	0	0	0	0	78	81
696	Texas Department of Criminal Justice	0	0	44	46	30	0	0	12	234	366
802	Texas Parks and Wildlife	0	0	0	0	0	0	0	171	255	426
808	Texas Historical Commission	0	0	1	0	18	0	0	35	0	54
	Grand Total	0	0	156	304	390	7	18	309	929	2,113

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2013 Fiscal Year Annual Benefits Summary (pounds per pollutant)

Agency Code	Agency Name	Bins 3 and 4 Vehicles		Annual Benefits (pounds)		
		Number	Annual Miles	NO _x	VOC	CO
302	Attorney General	41	671,874	34.77	20.18	910.51
303	Texas Facilities Commission	0	0	0.00	0.00	0.00
304	Comptroller of Public Accounts	0	0	0.00	0.00	0.00
305	General Land Office	0	0	0.00	0.00	0.00
401	Adjutant General	0	0	0.00	0.00	0.00
405	Department of Public Safety	90	1,158,351	62.67	35.92	1,644.22
455	Texas Railroad Commission	0	0	0.00	0.00	0.00
529	Health and Human Services Commission	0	0	0.00	0.00	0.00
537	Department of State Health Services	21	277,100	25.97	14.06	745.10
538	Department of Assistive and Rehabilitative Services	0	0	0.00	0.00	0.00
539	Department of Aging and Disability	3	83,011	4.09	2.40	107.52
551	Department of Agriculture	37	324,015	27.34	13.61	763.81
580	Texas Water Development Board	31	319,938	25.54	12.69	743.03
582	Texas Commission on Environmental Quality	37	490,622	40.68	25.54	1,005.78
592	Texas State Soil and Water Conservation Board	14	222,703	13.29	7.20	386.96
601	Texas Department of Transportation	81	1,130,914	97.10	61.03	2,315.15
608	Texas Department of Motor Vehicles	11	177,056	20.87	12.33	514.12
644	Texas Juvenile Justice Department	3	74,385	5.15	3.77	101.79
696	Texas Department of Criminal Justice	90	2,140,310	162.52	98.54	4,334.68
802	Texas Parks and Wildlife	0	0	0.00	0.00	0.00
808	Texas Historical Commission	1	28,295	1.86	1.43	36.65
	Grand Total	460	7,098,574	521.85	308.71	13,609.33

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2013 Fiscal Year Average Workday Benefits Summary
(pounds per pollutant based on 250 work days per year)

Agency Code	Agency Name	Average Workday Benefits (pounds)		
		NO _x	VOC	CO
302	Attorney General	0.14	0.08	3.64
303	Texas Facilities Commission	0.00	0.00	0.00
304	Comptroller of Public Accounts	0.00	0.00	0.00
305	General Land Office	0.00	0.00	0.00
401	Soil and Water Conservation Board	0.00	0.00	0.00
405	Department of Public Safety	0.25	0.14	6.58
455	Texas Railroad Commission	0.00	0.00	0.00
529	Health and Human Services Commission	0.00	0.00	0.00
537	Department of State Health Services	0.10	0.06	2.98
538	Department of Assistive and Rehabilitative Services	0.00	0.00	0.00
539	Department of Aging and Disability	0.02	0.01	0.43
551	Department of Agriculture	0.11	0.05	3.06
580	Texas Water Development Board	0.10	0.05	2.97
582	Texas Commission on Environmental Quality	0.16	0.10	4.02
592	Texas State Soil and Water Conservation Board	0.05	0.03	1.55
601	Texas Department of Transportation	0.39	0.24	9.26
608	Texas Department of Motor Vehicles	0.08	0.05	2.06
644	Texas Juvenile Justice Department	0.02	0.02	0.41
696	Texas Department of Criminal Justice	0.65	0.39	17.34
802	Texas Parks and Wildlife	0.00	0.00	0.00
808	Texas Historical Commission	0.01	0.01	0.15
	Grand Total	2.09	1.23	54.44

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Sample NO_x Benefit Calculations for the 2013 Fiscal Year from TCEQ Bins 3 and 4 Vehicles

Model Year	Vehicle Make	Vehicle Model	Tier 2 Bin	FY 2013 Mileage	Bin 5 NO _x Rate (gpm)	Vehicle NO _x Rate (gpm)	NO _x Difference (gpm)	NO _x Benefit (grams)
2008	FORD	ESCAPE HYBRID	3	18,081	0.0811	0.0347	0.0463	838
2008	TOYO	PRIUS	3	21,032	0.0811	0.0347	0.0463	974
2008	TOYO	PRIUS	3	17,683	0.0811	0.0347	0.0463	819
2008	TOYO	PRIUS	3	21,123	0.0811	0.0347	0.0463	979
2009	FORD	ESCAPE HYBRID	3	24,958	0.0807	0.0346	0.0461	1,150
2009	FORD	ESCAPE HYBRID	3	4,055	0.0807	0.0346	0.0461	187
2009	FORD	ESCAPE HYBRID	3	7,826	0.0807	0.0346	0.0461	361
2009	FORD	ESCAPE HYBRID	3	11,653	0.0807	0.0346	0.0461	537
2009	FORD	ESCAPE HYBRID	3	10,800	0.0807	0.0346	0.0461	498
2009	FORD	ESCAPE HYBRID	3	12,412	0.0807	0.0346	0.0461	572
2009	FORD	ESCAPE HYBRID	3	11,108	0.0807	0.0346	0.0461	512
2009	FORD	ESCAPE HYBRID	3	11,125	0.0807	0.0346	0.0461	513
2009	FORD	ESCAPE HYBRID	3	11,269	0.0807	0.0346	0.0461	519
2009	FORD	ESCAPE HYBRID	3	9,921	0.0807	0.0346	0.0461	457
2009	FORD	ESCAPE HYBRID	3	7,855	0.0807	0.0346	0.0461	362
2009	FORD	ESCAPE HYBRID	3	10,697	0.0807	0.0346	0.0461	493
2009	FORD	ESCAPE HYBRID	3	9,751	0.0807	0.0346	0.0461	449
2009	FORD	ESCAPE HYBRID	3	9,525	0.0807	0.0346	0.0461	439
2009	FORD	ESCAPE HYBRID	3	9,937	0.0807	0.0346	0.0461	458
2009	FORD	ESCAPE HYBRID	3	7,730	0.0807	0.0346	0.0461	356
2009	TOYO	PRIUS	3	7,461	0.0807	0.0346	0.0461	344
2009	TOYO	PRIUS	3	9,378	0.0807	0.0346	0.0461	432
2009	TOYO	PRIUS	3	7,506	0.0807	0.0346	0.0461	346
2010	FORD	FOCUS	3	10,489	0.0521	0.0223	0.0298	312
2010	FORD	FOCUS	3	10,681	0.0521	0.0223	0.0298	318
2011	FORD	FOCUS	3	11,021	0.0549	0.0235	0.0314	346
2012	FORD	FOCUS	3	5,203	0.0547	0.0234	0.0313	163
2006	FORD	ESCAPE HYBRID	4	15,101	0.1007	0.0575	0.0431	652
2006	FORD	ESCAPE HYBRID	4	6,389	0.1007	0.0575	0.0431	276
2006	FORD	ESCAPE HYBRID	4	6,797	0.1007	0.0575	0.0431	293
2010	CHEV	IMPALA	4	19,474	0.0521	0.0298	0.0223	435
2010	CHEV	IMPALA	4	24,016	0.0521	0.0298	0.0223	536
2010	CHEV	IMPALA	4	26,779	0.0521	0.0298	0.0223	598
2011	CHEV	IMPALA	4	10,649	0.0549	0.0314	0.0235	251
2011	CHEV	IMPALA	4	26,219	0.0549	0.0314	0.0235	617
2011	CHEV	IMPALA	4	25,142	0.0549	0.0314	0.0235	592
2011	CHEV	IMPALA	4	19,776	0.0549	0.0314	0.0235	465

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Sample VOC Benefit Calculations for the 2013 Fiscal Year from TCEO Bins 3 and 4 Vehicles

Model Year	Vehicle Make	Vehicle Model	Tier 2 Bin	FY 2013 Mileage	Bin 5 VOC Rate (gpm)	Vehicle VOC Rate (gpm)	VOC Difference (gpm)	VOC Benefit (grams)
2008	FORD	ESCAPE HYBRID	3	18,081	0.0777	0.0475	0.0302	546
2008	TOYO	PRIUS	3	21,032	0.0777	0.0475	0.0302	635
2008	TOYO	PRIUS	3	17,683	0.0777	0.0475	0.0302	534
2008	TOYO	PRIUS	3	21,123	0.0777	0.0475	0.0302	638
2009	FORD	ESCAPE HYBRID	3	24,958	0.0763	0.0466	0.0297	741
2009	FORD	ESCAPE HYBRID	3	4,055	0.0763	0.0466	0.0297	120
2009	FORD	ESCAPE HYBRID	3	7,826	0.0763	0.0466	0.0297	232
2009	FORD	ESCAPE HYBRID	3	11,653	0.0763	0.0466	0.0297	346
2009	FORD	ESCAPE HYBRID	3	10,800	0.0763	0.0466	0.0297	320
2009	FORD	ESCAPE HYBRID	3	12,412	0.0763	0.0466	0.0297	368
2009	FORD	ESCAPE HYBRID	3	11,108	0.0763	0.0466	0.0297	330
2009	FORD	ESCAPE HYBRID	3	11,125	0.0763	0.0466	0.0297	330
2009	FORD	ESCAPE HYBRID	3	11,269	0.0763	0.0466	0.0297	334
2009	FORD	ESCAPE HYBRID	3	9,921	0.0763	0.0466	0.0297	294
2009	FORD	ESCAPE HYBRID	3	7,855	0.0763	0.0466	0.0297	233
2009	FORD	ESCAPE HYBRID	3	10,697	0.0763	0.0466	0.0297	317
2009	FORD	ESCAPE HYBRID	3	9,751	0.0763	0.0466	0.0297	289
2009	FORD	ESCAPE HYBRID	3	9,525	0.0763	0.0466	0.0297	283
2009	FORD	ESCAPE HYBRID	3	9,937	0.0763	0.0466	0.0297	295
2009	FORD	ESCAPE HYBRID	3	7,730	0.0763	0.0466	0.0297	229
2009	TOYO	PRIUS	3	7,461	0.0763	0.0466	0.0297	221
2009	TOYO	PRIUS	3	9,378	0.0763	0.0466	0.0297	278
2009	TOYO	PRIUS	3	7,506	0.0763	0.0466	0.0297	223
2010	FORD	FOCUS	3	10,489	0.0591	0.0361	0.0230	241
2010	FORD	FOCUS	3	10,681	0.0591	0.0361	0.0230	246
2011	FORD	FOCUS	3	11,021	0.0591	0.0361	0.0230	253
2012	FORD	FOCUS	3	5,203	0.0583	0.0356	0.0227	118
2006	FORD	ESCAPE HYBRID	4	15,101	0.0935	0.0727	0.0208	314
2006	FORD	ESCAPE HYBRID	4	6,389	0.0935	0.0727	0.0208	133
2006	FORD	ESCAPE HYBRID	4	6,797	0.0935	0.0727	0.0208	141
2010	CHEV	IMPALA	4	19,474	0.0591	0.0460	0.0131	256
2010	CHEV	IMPALA	4	24,016	0.0591	0.0460	0.0131	316
2010	CHEV	IMPALA	4	26,779	0.0591	0.0460	0.0131	352
2011	CHEV	IMPALA	4	10,649	0.0591	0.0460	0.0131	140
2011	CHEV	IMPALA	4	26,219	0.0591	0.0460	0.0131	345
2011	CHEV	IMPALA	4	25,142	0.0591	0.0460	0.0131	330
2011	CHEV	IMPALA	4	19,776	0.0591	0.0460	0.0131	260

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Sample CO Benefit Calculations for the 2013 Fiscal Year from TCEO Bins 3 and 4 Vehicles

Model Year	Vehicle Make	Vehicle Model	Tier 2 Bin	FY 2013 Mileage	Bin 5 CO Rate (gpm)	Vehicle CO Rate (gpm)	CO Difference (gpm)	CO Benefit (grams)
2008	FORD	ESCAPE HYBRID	3	18,081	2.2355	1.1178	1.1178	20,210
2008	TOYO	PRIUS	3	21,032	2.2355	1.1178	1.1178	23,509
2008	TOYO	PRIUS	3	17,683	2.2355	1.1178	1.1178	19,765
2008	TOYO	PRIUS	3	21,123	2.2355	1.1178	1.1178	23,610
2009	FORD	ESCAPE HYBRID	3	24,958	2.2230	1.1115	1.1115	27,741
2009	FORD	ESCAPE HYBRID	3	4,055	2.2230	1.1115	1.1115	4,507
2009	FORD	ESCAPE HYBRID	3	7,826	2.2230	1.1115	1.1115	8,699
2009	FORD	ESCAPE HYBRID	3	11,653	2.2230	1.1115	1.1115	12,952
2009	FORD	ESCAPE HYBRID	3	10,800	2.2230	1.1115	1.1115	12,004
2009	FORD	ESCAPE HYBRID	3	12,412	2.2230	1.1115	1.1115	13,796
2009	FORD	ESCAPE HYBRID	3	11,108	2.2230	1.1115	1.1115	12,347
2009	FORD	ESCAPE HYBRID	3	11,125	2.2230	1.1115	1.1115	12,366
2009	FORD	ESCAPE HYBRID	3	11,269	2.2230	1.1115	1.1115	12,526
2009	FORD	ESCAPE HYBRID	3	9,921	2.2230	1.1115	1.1115	11,027
2009	FORD	ESCAPE HYBRID	3	7,855	2.2230	1.1115	1.1115	8,731
2009	FORD	ESCAPE HYBRID	3	10,697	2.2230	1.1115	1.1115	11,890
2009	FORD	ESCAPE HYBRID	3	9,751	2.2230	1.1115	1.1115	10,838
2009	FORD	ESCAPE HYBRID	3	9,525	2.2230	1.1115	1.1115	10,587
2009	FORD	ESCAPE HYBRID	3	9,937	2.2230	1.1115	1.1115	11,045
2009	FORD	ESCAPE HYBRID	3	7,730	2.2230	1.1115	1.1115	8,592
2009	TOYO	PRIUS	3	7,461	2.2230	1.1115	1.1115	8,293
2009	TOYO	PRIUS	3	9,378	2.2230	1.1115	1.1115	10,424
2009	TOYO	PRIUS	3	7,506	2.2230	1.1115	1.1115	8,343
2010	FORD	FOCUS	3	10,489	1.1751	0.5875	0.5875	6,163
2010	FORD	FOCUS	3	10,681	1.1751	0.5875	0.5875	6,275
2011	FORD	FOCUS	3	11,021	1.2415	0.6207	0.6207	6,841
2012	FORD	FOCUS	3	5,203	1.2366	0.6183	0.6183	3,217
2006	FORD	ESCAPE HYBRID	4	15,101	2.6769	1.3384	1.3384	20,212
2006	FORD	ESCAPE HYBRID	4	6,389	2.6769	1.3384	1.3384	8,551
2006	FORD	ESCAPE HYBRID	4	6,797	2.6769	1.3384	1.3384	9,097
2010	CHEV	IMPALA	4	19,474	1.1751	0.5875	0.5875	11,442
2010	CHEV	IMPALA	4	24,016	1.1751	0.5875	0.5875	14,110
2010	CHEV	IMPALA	4	26,779	1.1751	0.5875	0.5875	15,734
2011	CHEV	IMPALA	4	10,649	1.2415	0.6207	0.6207	6,610
2011	CHEV	IMPALA	4	26,219	1.2415	0.6207	0.6207	16,275
2011	CHEV	IMPALA	4	25,142	1.2415	0.6207	0.6207	15,606
2011	CHEV	IMPALA	4	19,776	1.2415	0.6207	0.6207	12,276