



December 2014  
SFR-72/14

# Annual Report of Nonfinancial Data

Fiscal Year Ended August 31, 2014



# **Annual Report of Nonfinancial Information**

Fiscal Year Ended August 31, 2014

Prepared by  
Chief Financial Officer Division

SFR-072/14  
December 2014



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

**Richard A. Hyde, P.E.,** *Executive Director*

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Bryan W. Shaw, Ph.D., P.E., *Chairman*  
Toby Baker, *Commissioner*  
Zak Covar, *Commissioner*  
Richard A. Hyde, P.E., *Executive Director*

## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

December 18, 2014

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, 2014, in compliance with the TEX. GOV'T CODE ANN. § 2101.0115 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 (512) 239-0299.

Sincerely,

Richard A. Hyde, P.E.  
Executive Director





**SECTION I**

**TCEQ AGENCY-SPECIFIC**

**INFORMATION**

-UNAUDITED-

**SCHEDULE OF SPACE OCCUPIED****Fiscal Year Ended August 31, 2014**

<b>Location</b>	<b>Address</b>	<b>Name of Lessor</b>	<b>Lease No.</b>	<b>Type</b>
<b>STATE OWNED:</b>				
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
<b>NON-STATE OWNED:</b>				
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	Storage Town USA	10460	Storage
Beaumont	3870 Eastex Frwy., Suite 110	William E Wilson	7089	Office
Beaumont	2615 Calder St	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	Jefferson Road Property Investments LLC	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	9900 W Interstate 20 Ste 100	Midland Brighton Pittsford Realty Corp	20301	Office/Lab/Storage
San Angelo	622 S. Oakes St.	City of San Angelo	9918	Office
San Angelo	5973 Knickerbocker	Red Bluff Storage		Storage
San Antonio	14250 Judson Road	Naomi LP	1402	Office
Stephenville	580-D Lingleville Rd. Ste D	Rick Hale	1622	Office
Tyler	2916 Teague Drive	Jack F Paul Real Estate LLC	9232	Office
Waco	6801 Sanger Avenue, Suite 2500	Sandstone Executive Plaza	6231	Office
Webster	17041 El Camino Real	El Camino LLC	10780	Office

**TOTAL**

-UNAUDITED-

Usable Square		Rental Cost Per		Annual
Feet	FTEs	Square Foot	Month	Cost
165,720	572	N/A - State-Owned Property		
117,762	410	N/A - State-Owned Property		
93,627	293	N/A - State-Owned Property		
11,164	52	N/A - State-Owned Property		
41,732	200	N/A - State-Owned Property		
7,124	22	N/A - State-Owned Property		
8,805	18	\$ 1.0656	\$ 9,382.92	\$ 112,595.04
7,475	27	0.3567	2,665.42	31,985.04
167,074	656	1.4358	239,942.63	2,879,311.56
10,964		0.2871	3,179.00	38,144.40
2,000		0.5997	1,199.33	14,391.96
15,274	64	1.3941	21,293.87	255,526.44
2,160		0.5208	1,125.00	13,500.00
26,084	99	0.7891	20,584.12	247,009.44
1,500	2	0.7183	1,077.72	12,932.64
12,109	35	1.1983	14,510.58	174,126.96
23,160	19	1.1617	26,912.38	322,948.56
4,980	14	1.6737	8,335.02	100,020.24
6,848	22	0.9200	6,302.40	75,628.80
8,882	20	0.9100	8,081.33	96,975.96
7,913	16	0.9658	7,674.52	92,094.24
330		0.4545	150.00	1,800.00
17,020	69	1.6617	28,279.71	339,356.52
2,135	8	0.8592	1,834.43	22,013.16
15,640	52	0.8388	12,773.23	153,278.76
13,225	29	0.8553	12,243.39	146,920.68
1,871	8	1.2250	2,291.62	27,499.44
	<u>2707</u>		<u>\$ 429,839</u>	<u>\$ 5,158,059.84</u>

**PROFESSIONAL/CONSULTING FEES AND LEGAL SERVICE FEES**  
**For the Fiscal Year Ended August 31, 2014**

PAYEE	AMOUNT	PURPOSE
A BETTER SOLUTION INC	\$ 5,850.82	EDUCATIONAL/TRAINING SERVICES
AD ENVIRONMENTAL SERVICES LLC	19,347.29	OTHER PROFESSIONAL SERVICES
AGILENT TECHNOLOGIES INC	11,070.00	EDUCATIONAL/TRAINING SERVICES
AMEC ENVIRONMENT & INFRASTRUCTURE INC	804,041.98	OTHER PROFESSIONAL SERVICES
AMER WATER WORKS ASSN	175.00	EDUCATIONAL/TRAINING SERVICES
AMERICAN WATER WORKS ASSOCIATION TEXAS	19,281.41	OTHER PROFESSIONAL SERVICES
ANTEA USA INC	3,459,822.10	OTHER PROFESSIONAL SERVICES
ANTEA USA INC	18,219.35	ARCHITECTURAL/ENGINEERING SERV
AQS INC	2,640.00	OTHER PROFESSIONAL SERVICES
ARTS+LABOR	104,428.02	OTHER PROFESSIONAL SERVICES
ATC ASSOCIATES INC	6,255.83	OTHER PROFESSIONAL SERVICES
ATKINS NORTH AMERICA INC	105,360.00	OTHER PROFESSIONAL SERVICES
ATKINS NORTH AMERICA INC	193,819.08	ARCHITECTURAL/ENGINEERING SERV
BANSAR TECHNOLOGIES INC	225,833.00	INFORMATION TECHNOLOGY SERVICES
BEVERLY A CHIODO	1,678.13	EDUCATIONAL/TRAINING SERVICES
BRUKER DALTONICS INC	9,100.00	EDUCATIONAL/TRAINING SERVICES
C & T INFORMATION TECHNOLOGY CONSULTING INC	584,221.00	INFORMATION TECHNOLOGY SERVICES
C&JMP INC	250.00	EDUCATIONAL/TRAINING SERVICES
CARASOFT TECHNOLGY CORPORATION	157,415.70	INFORMATION TECHNOLOGY SERVICES
CARDNO ATC	199,677.26	OTHER PROFESSIONAL SERVICES
CFCS LP (DBA CLEAR FORK CONSULTING SERVICES)	24,181.98	OTHER PROFESSIONAL SERVICES
CGI TECHNOLOGIES AND SOLUTIONS INC	150,000.00	OTHER PROFESSIONAL SERVICES
CGI TECHNOLOGIES AND SOLUTIONS INC	458,359.00	INFORMATION TECHNOLOGY SERVICES
CINET-COMPANY 004	4,285.00	EDUCATIONAL/TRAINING SERVICES
CITY OF DALLAS	286,042.02	OTHER PROFESSIONAL SERVICES
CITY OF EL PASO	245,744.68	OTHER PROFESSIONAL SERVICES
CITY OF FORT WORTH	396,778.47	OTHER PROFESSIONAL SERVICES
CITY OF HOUSTON	777,307.85	OTHER PROFESSIONAL SERVICES
CITY OF LAREDO	19,381.88	OTHER PROFESSIONAL SERVICES
CITY OF SAN ANTONIO	75,917.85	OTHER PROFESSIONAL SERVICES
CMP MANAGEMENT INC	7,400.00	EDUCATIONAL/TRAINING SERVICES
COLLEGE OF THE MAINLAND	49,160.00	EDUCATIONAL/TRAINING SERVICES
COOPER CONSULTING COMPANY	449,205.00	INFORMATION TECHNOLOGY SERVICES
CRITICAL WATCH	5,000.00	OTHER PROFESSIONAL SERVICES
CULLIGAN OF AUSTIN	1,569,490.65	OTHER PROFESSIONAL SERVICES
D AND H PETROLEUM AND ENVIROMENTAL SVCS E 1	189,048.00	OTHER PROFESSIONAL SERVICES
DANIEL B STEPHENS	1,434,142.56	OTHER PROFESSIONAL SERVICES
DEER OAKS EAP SERVICES LLC	38,522.60	OTHER PROFESSIONAL SERVICES
DELL MARKETING LP	20,102.60	EDUCATIONAL/TRAINING SERVICES
DEPARTMENT OF STATE HEALTH SERVICES	4,644.57	OTHER PROFESSIONAL SERVICES
DESERT RESEARCH INSTITUTE	9,923.58	EDUCATIONAL/TRAINING SERVICES
DIGITALGLOBE INC	4,284.00	OTHER PROFESSIONAL SERVICES
DIOS DADO ENVIRONMENTAL LTD	403,421.02	OTHER PROFESSIONAL SERVICES
DYNAMIC COMPUTING SERVICES CORPORATION	15,533.75	INFORMATION TECHNOLOGY SERVICES
E E & G INC	386,818.05	OTHER PROFESSIONAL SERVICES
EA ENGINEERING SCIENCE AND TECHNOLOGY	1,037,662.17	OTHER PROFESSIONAL SERVICES
EA ENGINEERING SCIENCE AND TECHNOLOGY	872,942.57	ARCHITECTURAL/ENGINEERING SERV
EAGLE PASS ISD	16,000.00	OTHER PROFESSIONAL SERVICES
EMERALD ENVIRONMENTAL SERVICES LTD	194,425.00	OTHER PROFESSIONAL SERVICES
EMPLOYEES RETIREMENT SYSTEM	132,000.00	OTHER PROFESSIONAL SERVICES
ENFOLD SYSTEMS INC	57,960.00	INFORMATION TECHNOLOGY SERVICES
ENFOTECH AND CONSULTING INC	134,697.00	INFORMATION TECHNOLOGY SERVICES
ENPROTEC INC/HIBBS AND TODD INC	429,151.19	OTHER PROFESSIONAL SERVICES
ENPROTEC INC/HIBBS AND TODD INC	1,542,182.32	ARCHITECTURAL/ENGINEERING SERV
ENSAFE INC	38,245.59	OTHER PROFESSIONAL SERVICES
ENTECH INSTRUMENTS	3,570.00	EDUCATIONAL/TRAINING SERVICES
ENVIRON INTERNATIONAL CORPORATION	444,801.82	OTHER PROFESSIONAL SERVICES
ENVIRONMENTAL SYSTEMS PRODUCTS	147,500.00	INFORMATION TECHNOLOGY SERVICES
ERG	255,449.55	OTHER PROFESSIONAL SERVICES
ESI INTERNATIONAL	53,205.99	EDUCATIONAL/TRAINING SERVICES
EWTG	2,090.00	EDUCATIONAL/TRAINING SERVICES
GALVESTON COUNTY HEALTH DISTRICT	86,692.37	OTHER PROFESSIONAL SERVICES
GARTNER INC	23,718.00	OTHER PROFESSIONAL SERVICES
GEO STRATA-INTERA LLC	82,512.48	OTHER PROFESSIONAL SERVICES
GEOSTRATA ENVIRONMENTAL CONSULTANTS INC	353,422.74	OTHER PROFESSIONAL SERVICES
GORRONDONA & ASSOCIATES INC	203,479.86	ARCHITECTURAL/ENGINEERING SERV
GRADCO LLC DBA GRADIENT	441,527.00	OTHER PROFESSIONAL SERVICES
GRIMES AND ASSOCIATES CONSULTING ENGINEERS LP	573,607.87	OTHER PROFESSIONAL SERVICES
GRIMES AND ASSOCIATES CONSULTING ENGINEERS LP	\$ 118,873.18	ARCHITECTURAL/ENGINEERING SERV

**PROFESSIONAL/CONSULTING FEES AND LEGAL SERVICE FEES**  
**For the Fiscal Year Ended August 31, 2014**

<u>PAYEE</u>	<u>AMOUNT</u>	<u>PURPOSE</u>
GROUNDWATER SERVICES INC	\$ 4,995.00	EDUCATIONAL/TRAINING SERVICES
HARRIS COUNTY ATTORNEY'S OFFICE	325.00	OTHER PROFESSIONAL SERVICES
HOME TEAM SERVICES LLC DBA GLOBAL NETWATCH	1,708.20	INFORMATION TECHNOLOGY SERVICES
IBRIDGE GROUP INC	1,500.00	EDUCATIONAL/TRAINING SERVICES
IBRIDGE GROUP INC	109,687.50	INFORMATION TECHNOLOGY SERVICES
IMAGE API LLC	154,372.31	OTHER PROFESSIONAL SERVICES
INCONTROL TECHNOLOGIES INC	734,832.67	OTHER PROFESSIONAL SERVICES
INCONTROL TECHNOLOGIES INC	737,727.15	ARCHITECTURAL/ENGINEERING SERV
INFORMATION NETWORK INTERNATIONAL INC	89,043.68	INFORMATION TECHNOLOGY SERVICES
INFORMATION NETWORK INTERNATIONAL INC	15,000.00	DATA PROCESSING SERVICES
IPSO FACTO CONSULTING INC	365,013.45	OTHER PROFESSIONAL SERVICES
IRVIN L BILSKY	3,200.00	OTHER WITNESS FEES
JET SOFTWARE SOLUTIONS INC	2,769,950.50	INFORMATION TECHNOLOGY SERVICES
KLEINFELDER	52,527.64	OTHER PROFESSIONAL SERVICES
KOOS & ASSOCIATES INC	11,386.61	OTHER PROFESSIONAL SERVICES
LEAK SURVEYS INC	143,983.96	OTHER PROFESSIONAL SERVICES
LINEBARGER GOGGAN BLAIR SAMPSON LLP	100,084.33	FINANCIAL AND ACCOUNTING SERV
LONGHORN DRIVING SCHOOL LLC	125.00	EDUCATIONAL/TRAINING SERVICES
LOWER COLORADO RIVER AUTHORITY	452,132.00	OTHER PROFESSIONAL SERVICES
MEHAFFY & WEBER PC	1,500.00	OTHER PROFESSIONAL SERVICES
METEOSTAR A DIVISION OF SUTRON CORPORATION	290,272.55	OTHER PROFESSIONAL SERVICES
MICHAEL ALLEY	4,300.00	EDUCATIONAL/TRAINING SERVICES
MICROSSIST INC	61,634.00	EDUCATIONAL/TRAINING SERVICES
MILLER ENGINEERS INC DBA SOUDER MILLER & ASSOC	142,926.84	OTHER PROFESSIONAL SERVICES
MYERS AND STAUFFER LC	2,000.00	OTHER PROFESSIONAL SERVICES
NAISMITH ENGINEERING INC	20,938.58	OTHER PROFESSIONAL SERVICES
NATIONAL CAVE AND KARST RESEARCH INSTITUTE	8,407.60	EDUCATIONAL/TRAINING SERVICES
NATIONAL ECONOMIC RESEARCH ASSOCIATES INC	8,000.00	OTHER PROFESSIONAL SERVICES
NATIONAL PARK SERVICE	16,444.58	OTHER PROFESSIONAL SERVICES
NATURAL RESOURCE TRUSTEE ACCOUNT	653,111.01	OTHER PROFESSIONAL SERVICES
NATURAL RESOURCE TRUSTEE ACCOUNT	3,911.50	FINANCIAL AND ACCOUNTING SERVICES
NEIL S GRIGG PE	7,672.46	OTHER PROFESSIONAL SERVICES
NEUBUS INC	4,581.24	DATA PROCESSING SERVICES
NEW HORIZONS COMPUTER LEARNING CENTER OF AUSTIN	20,152.00	EDUCATIONAL/TRAINING SERVICES
OMEGA PROJECT SOLUTIONS INC	22,035.94	INFORMATION TECHNOLOGY SERVICES
ONLINE CONSULTING INC	7,185.00	EDUCATIONAL/TRAINING SERVICES
ORACLE AMERICA INC	11,620.50	EDUCATIONAL/TRAINING SERVICES
ORSAT L L C	413,345.00	OTHER PROFESSIONAL SERVICES
PACOTECH INC	2,095,631.01	OTHER PROFESSIONAL SERVICES
PARSON TRANSPORTATION GROUP	68,462.53	OTHER PROFESSIONAL SERVICES
PRECISION MICROGRAPHICS AND IMAGING INC	189,861.73	OTHER PROFESSIONAL SERVICES
PROGRESSIVE ENVIRONMENTAL SERVICES INC	789,042.67	OTHER PROFESSIONAL SERVICES
QUANTUM ENVIRONMENTAL CONSULTANTS INC	59,847.63	OTHER PROFESSIONAL SERVICES
R-3 STRATEGIES INC	7,000.00	EDUCATIONAL/TRAINING SERVICES
RANGER ENVIRONMENTAL SERVICES INC	359,792.22	OTHER PROFESSIONAL SERVICES
RANGER ENVIRONMENTAL SERVICES INC	208,785.88	ARCHITECTURAL/ENGINEERING SERV
REPRINTS DESK INC	8,599.17	OTHER PROFESSIONAL SERVICES
RICHARD D GRANT JR PHD PC	2,330.00	EDUCATIONAL/TRAINING SERVICES
SAINT EDWARD'S UNIVERSITY INC	9,999.99	EDUCATIONAL/TRAINING SERVICES
SAN ANTONIO METROPOLITAN HEALTH DISTRICT	325,862.27	OTHER PROFESSIONAL SERVICES
SCS ENVIRONMENTAL CONSULTANTS INC	34,140.77	OTHER PROFESSIONAL SERVICES
SENTARI TECHNOLOGIES INC	153,296.00	INFORMATION TECHNOLOGY SERVICES
SHAW ENVIRONMENTAL & INFRASTRUCTURE INC	421,424.93	OTHER PROFESSIONAL SERVICES
SHAW ENVIRONMENTAL INC	2,086,484.57	OTHER PROFESSIONAL SERVICES
SHAW ENVIRONMENTAL INC	720,838.03	ARCHITECTURAL/ENGINEERING SERV
SHEPHERD TECHNICAL SERVICES	130,999.55	OTHER PROFESSIONAL SERVICES
SHI GOVERNMENT SOLUTIONS INC	979.00	EDUCATIONAL/TRAINING SERVICES
SIELKEN AND ASSOCIATES CONSULTING	97,306.42	OTHER PROFESSIONAL SERVICES
SIMS & ASSOCIATES WEST INC	116,945.00	OTHER PROFESSIONAL SERVICES
SLA ENVIRONMENTAL SERVICES LTD	55,407.49	OTHER PROFESSIONAL SERVICES
SNAP ON INDUSTRIAL	300,000.00	INFORMATION TECHNOLOGY SERVICES
SOLUTIONS TRAINING GROUP	3,700.00	EDUCATIONAL/TRAINING SERVICES
SOUTHWEST GEOLOGICAL & ENVIRONMENTAL SERVICES	155,000.15	OTHER PROFESSIONAL SERVICES
SUMTOTAL SYSTEMS INC	13,010.00	OTHER PROFESSIONAL SERVICES
SUTRON CORPORATION	61,413.38	OTHER PROFESSIONAL SERVICES
TALON HYDRAULICS	350,715.49	OTHER PROFESSIONAL SERVICES
TALON LPE LTD	728,719.39	OTHER PROFESSIONAL SERVICES
TALON LPE LTD	714,023.74	ARCHITECTURAL/ENGINEERING SERV
TECHNICAL MONITORING SERVICES INC	\$ 184,884.00	OTHER PROFESSIONAL SERVICES

**PROFESSIONAL/CONSULTING FEES AND LEGAL SERVICE FEES**  
**For the Fiscal Year Ended August 31, 2014**

<u>PAYEE</u>	<u>AMOUNT</u>	<u>PURPOSE</u>
TERA	\$ 38,376.50	OTHER PROFESSIONAL SERVICES
TERRA-SOLVE INC	31,710.29	OTHER PROFESSIONAL SERVICES
TEXAS A&M ENGINEERING EXTENSION SERVICE	258,801.00	EDUCATIONAL/TRAINING SERVICES
TEXAS COMPTROLLER OF PUBLIC ACCOUNTS	6,689.00	OTHER PROFESSIONAL SERVICES
TEXAS COMPTROLLER OF PUBLIC ACCOUNTS	375.00	EDUCATIONAL/TRAINING SERVICES
TEXAS DEPARTMENT OF INFORMATION RESOURCES	9,305,372.89	COMPUTER SERVICES-STATEWIDE TECH. CTR
TEXAS DESALINATION ASSOCIATION	150.00	EDUCATIONAL/TRAINING SERVICES
TEXAS PARKS & WILDLIFE DEPARTMENT	227,124.00	OTHER PROFESSIONAL SERVICES
TEXAS RURAL WATER ASSOCIATION	831,078.67	OTHER PROFESSIONAL SERVICES
TEXAS STATE LIBRARY & ARCHIVES COMMISSION	80.00	EDUCATIONAL/TRAINING SERVICES
TEXAS WORKFORCE COMMISSION	36,825.00	EDUCATIONAL/TRAINING SERVICES
THE AMMERMAN EXPERIENCE	7,350.00	EDUCATIONAL/TRAINING SERVICES
THE TEXAS CONFERENCE FOR WOMEN	3,310.00	EDUCATIONAL/TRAINING SERVICES
TLI SOLUTIONS INC	250,810.09	OTHER PROFESSIONAL SERVICES
TRADEMARK MEDIA	685.00	INFORMATION TECHNOLOGY SERVICES
TSCPA CPE FOUNDATIONS INC	275.00	EDUCATIONAL/TRAINING SERVICES
TUERFF-DAVIS ENVIROMEDIA INC	928,553.75	OTHER PROFESSIONAL SERVICES
UNITED STATES GEOLOGICAL SURVEY	726,266.63	OTHER PROFESSIONAL SERVICES
UNIVERSITY OF TEXAS AT AUSTIN	25,140.00	EDUCATIONAL/TRAINING SERVICES
UNIVERSITY OF TEXAS AT AUSTIN	12,129.00	OTHER PROFESSIONAL SERVICES
UNIVERSITY OF TEXAS HEALTH SERVICES	473,377.00	MEDICAL SERVICES
URS CORPORATION	4,207,711.65	OTHER PROFESSIONAL SERVICES
URS CORPORATION	904,695.19	ARCHITECTURAL/ENGINEERING SERV
US ENVIRONMENTAL PROTECTION AGENCY FOIA AND	1,386.89	EDUCATIONAL/TRAINING SERVICES
US ENVIRONMENTAL PROTECTION AGENCY	422,014.12	ARCHITECTURAL/ENGINEERING SERV
UT HEALTH CENTER AT TYLER	18,559.00	MEDICAL SERVICES
UXO PRO INC	43,152.32	OTHER PROFESSIONAL SERVICES
VAISALA INC	19,375.67	OTHER PROFESSIONAL SERVICES
WEST TEXAS A&M UNIVERSITY	100,555.92	INFORMATION TECHNOLOGY SERVICES
WESTON SOLUTION INC	1,162,882.51	OTHER PROFESSIONAL SERVICES
WESTON SOLUTION INC	163,240.31	ARCHITECTURAL/ENGINEERING SERV
WILD WELL CONTROL INC	3,065.00	EDUCATIONAL/TRAINING SERVICES
WILKINS GROUP INC	11,289.28	INFORMATION TECHNOLOGY SERVICES
WORLDWIDE ENVIRONMENTAL PRODUCTS	106,400.00	INFORMATION TECHNOLOGY SERVICES
WRS COMPASS	130,069.81	OTHER PROFESSIONAL SERVICES
WRS COMPASS	74,991.58	ARCHITECTURAL/ENGINEERING SERV
X8ENVIRONMENTAL INC	966,091.51	OTHER PROFESSIONAL SERVICES
X8ENVIRONMENTAL INC	281,913.91	ARCHITECTURAL/ENGINEERING SERV
<b>TOTAL PROFESSIONAL AND CONSULTING FEES</b>	<b>\$ 59,882,908.08</b>	
<b>LEGAL SERVICE FEES</b>		
STATE OFFICE OF ADMINISTRATIVE HEARINGS	482,716.09	
SOMACH SIMMONS & DUNN	1,692,499.59	
<b>TOTAL LEGAL SERVICES FEES</b>	<b>\$ 2,175,215.68</b>	
<b>TOTAL PROFESSIONAL CONSULTING AND LEGAL SERVICES FEES REPORTED ON ANNUAL FINANCIAL REPORT</b>	<b>\$ 62,058,123.76</b>	

-UNAUDITED-

**SCHEDULE OF ITEMIZED PURCHASES (PROPRIETARY PURCHASES)**  
**Fiscal Year Ended August 31, 2014**

<b>Vendor Name</b>	<b>Amount</b>	<b>Purpose</b>	<b>Justification</b>
FLIR COMMERCIAL SYSTEMS, INC.	\$ 23,000.00	Optical Gas Imaging Training Course	No other vendor is available or capable of delivering the training on the Agency's existing FLIR GasFindIR HSX and GL320 Cameras.
EXPOTECH USA, INC.	\$ 8,488.84	Parts to repair Teledyne/API 400E ozone analyzers	Must have this brand and model due to compatibility with existing equipment.
AGILENT TECHNOLOGIES	\$ 76,235.20	Mass Spectrometry system	Extensive testing would be required, development of new QAPP, and reapplication for federal grants to be able to use any other equipment.
ENTECH INSTRUMENTS, INC.	\$ 35,995.00	Parts and supplies for the Entech 7200 preconcentrator/ 3100 canister cleaning system	Extensive testing would be required to change equipment or components and could take years to complete.
PRODUCTS UNLIMITED, INC.	\$ 14,220.00	Toxic Vapor Analyzer 1000B FID/PID	Research was completed and no other equipment could fulfill the full business needs of the agency to include low detection limits, wide dynamic range and detection of various compounds.
ENTECH INSTRUMENTS, INC.	\$ 128,472.00	Entech 7200 Preconcentrator	Extensive testing would be required to change equipment or components and could take years to complete.
AMERICAN ECOTECH	\$ 17,509.00	Aurora 1000 Green Ecotech Integrating Nephelometer with parts.	This equipment contains patented proprietary specifications not available in any other equipment.
PINE ENVIRONMENTAL SERVICES, INC.	\$ 15,450.00	Jerome Analyzer	Research was completed and no other equipment could fulfill the full business needs of the agency to include low detection limits, wide dynamic range and detection of various compounds.
TELEDYNE API, INC.	\$ 24,384.00	Teledyne Kit, UV Lamp	Must have this brand and model due to compatibility with existing equipment.
ALL BUSINESS MACHINES	\$ 47,417.50	Maintenance Contract for Agilent Technologies Equipment	Other vendors do not provide the proprietary Remote Advisor-Assist/Report/Alert real-time remote troubleshooting and diagnostics tool and software upgrades.
LAND TEC NORTH AMERICA	\$ 29,600.00	GEM 2000 Methane Meter Service Agreement	This vendor is the exclusive maintenance and repair center for this equipment.

-UNAUDITED-

**HUB STRATEGIC PLAN PROGRESS REPORT**  
**For the Year Ended August 31, 2014**

<b>Goal = Strategic Plan HUB Goal</b>	<b>Actual for FY 2013</b>	<b>Actual for FY 2014</b>	<b>Goal for FY 2015</b>
<b>Actual = % Spent with HUBs from HUB Report</b>			
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	23.48%	20.06%	23.7%
Other services contracts	35.10%	34.17%	26.0%
Commodities contracts	27.82%	31.19%	21.1%

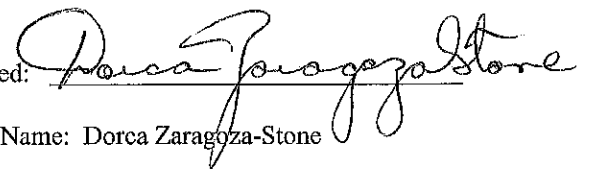
Prepared by: \_\_\_\_\_



Printed Name: Laura Cagle

Phone Number: (512) 239-1293

Approved: \_\_\_\_\_



Printed Name: Dorca Zaragoza-Stone

Phone Number: (512) 239- 4866



-UNAUDITED-

**APPROPRIATION ITEM TRANSFER SCHEDULE**  
**Fiscal Year Ended August 31, 2014**

**Item of Appropriation (Strategies)**

	<u>Transfers In</u>	<u>Transfers Out</u>	<u>Net Transfers</u>
<b>A. Goal: Assessment, Planning and Permitting</b>			
Strategies:			
A.1.1. 13034 Air Quality Assessment and Planning	\$	\$	\$
A.1.2. 13035 Water Assessment and Planning		(355,661.61)	(355,661.61)
A.1.3. 13036 Waste Assessment and Planning		(16,962.03)	(16,962.03)
A.2.1. 13031 Air Quality Permitting			
A.2.2. 13032 Water Resource Permitting		(665,131.86)	(665,131.86)
A.2.3. 13033 Waste Management and Permitting	10,000.00		
A.2.4. 13043 Occupational Licensing	2,965.70		
A.3.1. 13038 Low-Level Radioactive Waste		(14,881.49)	
<b>Total Goal A: Assessment, Planning and Permitting</b>	<u>\$ 12,965.70</u>	<u>\$ (1,052,636.99)</u>	<u>\$ (1,039,671.29)</u>
<b>B. Goal: Drinking Water &amp; Water Utilities</b>			
Strategies:			
B.1.1. 13039 Safe Drinking Water	\$ 1,499,068.00	\$	\$
B.1.2. 13040 Water Utilities Oversight			
<b>Total Goal B: Drinking Water &amp; Water Utilities</b>	<u>\$ 1,499,068.00</u>	<u>\$ 0.00</u>	<u>\$ 1,499,068.00</u>
<b>C. Goal: Enforcement and Compliance</b>			
Strategies:			
C.1.1. 13041 Field Inspections and Complaints	\$ 106,679.03	\$ (597,838.34)	\$ (491,159.31)
C.1.2. 13042 Enforcement and Compliance Support		(52,000.00)	(52,000.00)
C.1.3. 13037 Pollution Prevention Recycling	81,589.96		
<b>Total Goal C: Enforcement and Compliance</b>	<u>\$ 188,268.99</u>	<u>\$ (649,838.34)</u>	<u>\$ (461,569.35)</u>
<b>D. Goal: Pollution Cleanup</b>			
Strategies:			
D.1.1. 13044 Storage Tank Admin & Cleanup	\$	\$	\$
D.1.2. 13046 Hazardous Materials Cleanup			
<b>Total Goal D: Pollution Cleanup</b>	<u>\$ 0.00</u>	<u>\$ 0.00</u>	<u>\$ 0.00</u>
<b>E. Goal: River Compact Commission</b>			
Strategies:			
E.1.1. 13050 Canadian River Compact	\$	\$ (3,724.00)	\$ (3,724.00)
E.1.2. 13051 Pecos River Compact		(2,744.00)	(2,744.00)
E.1.3. 13052 Red River Compact		(1,548.00)	
E.1.4. 13053 Rio Grande River Compact	20,418.00		20,418.00
E.1.5. 13054 Sabine River Compact		(12,402.00)	(12,402.00)
<b>Total Goal E: River Compact Commission</b>	<u>\$ 20,418.00</u>	<u>\$ (20,418.00)</u>	<u>\$ 0.00</u>
<b>F. Goal: Indirect Administration</b>			
Strategies:			
F.1.1. 13800 Central Administration	\$ 163,870.63	\$	\$ 163,870.63
F.1.2. 13801 Information Resources	61,666.80		61,666.80
F.1.3. 13802 Other Support Services		(223,364.79)	(223,364.79)
<b>Total Goal F: Indirect Administration</b>	<u>\$ 225,537.43</u>	<u>\$ (223,364.79)</u>	<u>\$ 2,172.64</u>
<b>Net Appropriation Item Transfers</b>	<u>\$ 1,946,258.12</u>	<u>\$ (1,946,258.12)</u>	<u>\$ 0.00</u>

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

-UNAUDITED-

**SCHEDULE OF VEHICLES PURCHASED**  
**Fiscal Year Ended August 31, 2014**

<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>
Ford	Fusion Hybrid	1	\$ 23,766.05	Central Administration	47
Ford	Fusion Hybrid	1	23,766.05	Central Administration	47
Ford	Taurus	1	18,050.05	Central Administration	N/A
Ford	Taurus	1	18,050.05	Central Administration	N/A
Ford	F150	1	23,299.61	Field Investigation	16-21
Ford	F150	1	23,299.61	Field Investigation	16-21
Ford	F150	1	18,815.65	Field Investigation	17-23
Ford	F150	1	22,958.37	Field Investigation	16-21
Ford	F150	1	22,151.61	Field Investigation	16-21
Chevrolet	Silverado	1	28,835.00	Field Investigation	N/A
Chevrolet	Silverado	1	28,835.00	Field Investigation	N/A
Ford	F150	1	23,101.61	Field Investigation	16-21
Ford	F150	1	23,101.61	Field Investigation	16-21
Ford	Expedition	1	31,245.27	Field Investigation	13-18
Ford	F250	1	26,683.32	Field Investigation	N/A
Ford	F250	1	26,683.32	Field Investigation	N/A
	Total	<u>16</u>	<u>\$ 382,642.18</u>		

-UNAUDITED-

**INDIRECT COST SCHEDULE**  
**Fiscal Year Ended August 31, 2014**

**A. Payroll Related Costs**

FICA Employer Matching Contribution	\$ 11,166,676	
Group Health Insurance	17,313,247	
Additional Payroll Retirement Contribution	690,998	
Payroll Health Insurance Contribution	1,388,496	
Retirement	10,694,479	
Unemployment	29,837	
<b>Total Payroll Related Costs</b>	\$ 41,283,733	

Workers' Compensation	\$ 267,700	
Benefit Replacement Pay (BRP)	689,477	
<b>Total Worker's Compensation and BRP</b>	\$ 957,178	

**B. Indirect Costs**

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

**C. Indirect Costs - Statewide Full Cost Allocation Plan**

Building Depreciation	\$ 1,026,598	
(304) CPA Administration	44,513	
CPA Fiscal and ITD	978,591	
CPA Purchasing & Support (TPASS)	59,678	
CPA Rebates	(19,892)	
Department of Public Safety Capitol Security	675	
TFC Planning & Asset Management	409,748	
OOG BPP & Financial Accountability	13,395	
(101) State Senate	7,326	
(102) House of Representatives	8,859	
(103) Legislative Council	7,044	
(104) Legislative Budget Board	65,514	
(105) Reference Library	7,743	
(116) Sunset Advisory Board	10,602	
<b>Total Indirect Costs - Statewide Full Cost Allocation Plan</b>	\$ 2,620,394	

**TOTAL INDIRECT COSTS** \$ 44,861,305

-UNAUDITED-

## Alternative Fuel Vehicle Progress Report Fiscal Year Ended August 31, 2014

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 393 motor vehicles, of which 238, or 61%, are considered alternative fuel vehicles. The total eligible motor vehicles subject to the statute is 67, of which 54, 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 28, or 42% of 67 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 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 the new Voyager Fleet Card.

### Schedule of Fuel Consumption – Total Motor Vehicle Fleet Fiscal Years Ended 2013 and 2014

<b>FY 2013</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>
Gas/Diesel	10,350	18,040	17,560	18,628	14,272	15,849	16,160	18,914	19,501	18,133	17,434	20,717
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
<b>FY 2014</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>
Gas/Diesel	14,606	20,354	16,109	12,220	14,447	15,170	16,795	18,119	20,751	19,474	19,817	18,998
LPG/E85	132	76	60	20	12	57	61	88	43	96	96	55
Total Fuel	14,738	20,430	16,169	12,240	14,459	15,227	16,856	18,207	20,794	19,570	19,913	19,053
Total Miles	257,653	346,373	252,267	201,219	247,292	236,057	284,335	329,067	332,231	330,573	343,519	328,060
Avg. MPG	17	17	16	16	17	15	17	18	16	17	17	17

-UNAUDITED-

**VEHICLES ELIGIBLE FOR ALTERNATIVE FUEL REPORTING REQUIREMENT  
FISCAL YEAR ENDED AUGUST 31, 2014**

Physical Location	Alternative Fuel		Year	Make	Model	Asset #	Vehicle Class	Acquisition Date	Tier Bin
	Fuel Type	Capable							
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
TYLER	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46573 707 - SPORTS UTILITY VEHICLES		1/14/2009	2 3
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46593 707 - SPORTS UTILITY VEHICLES		12/30/2008	2 3
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
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46594 707 - SPORTS UTILITY VEHICLES		1/9/2009	2 3
BEAUMONT	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46587 707 - SPORTS UTILITY VEHICLES		1/9/2009	2 3
DFW	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46567 707 - SPORTS UTILITY VEHICLES		11/24/2008	2 3
DFW	Unleaded for Gas Hybrid	No	2009	FORD	ESCAPE HYBRID	46568 707 - SPORTS UTILITY VEHICLES		12/3/2008	2 3
EL PASO	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46577 707 - SPORTS UTILITY VEHICLES		12/9/2008	2 3
SAN ANTONIO	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46977 707 - SPORTS UTILITY VEHICLES		1/2/2009	2 3
CORPUS CHRISTI	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46980 707 - SPORTS UTILITY VEHICLES		12/31/2008	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
SAN ANTONIO	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	47796 707 - SPORTS UTILITY VEHICLES		7/10/2009	2 3
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	46590 707 - SPORTS UTILITY VEHICLES		12/23/2008	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
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
ABELINE	Unleaded	No	2011	FORD	FOCUS	49520 701 - PASSENGER CARS		7/27/2010	2 3
LUBBOCK	Unleaded	No	2012	FORD	FOCUS	52262 701 - PASSENGER CARS		5/20/2011	2 3
CENTRAL OFFICE	Unleaded for Gas Hybrid	Yes	2014	FORD	FUSION HYBRID	53769 701 - PASSENGER CARS		3/13/2014	2 3
CENTRAL OFFICE	Unleaded for Gas Hybrid	Yes	2014	FORD	FUSION HYBRID	53770 701 - PASSENGER CARS		3/17/2014	2 3
CENTRAL OFFICE	Unleaded for Gas Hybrid	Yes	2006	FORD	ESCAPE HYBRID	44339 707 - SPORTS UTILITY VEHICLES		5/17/2006	2 4
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
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
SAN ANTONIO	Unleaded	No	2011	CHEV	IMPALA	51817 701 - PASSENGER CARS		2/10/2011	2 4
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
CENTRAL OFFICE	Unleaded	Yes	2006	CHEV	IMPALA	44366 701 - PASSENGER CARS		3/24/2006	2 5
CENTRAL OFFICE	Unleaded for Gas Hybrid	Yes	2006	CHEV	SILVERADO HYBRID	44340 709 - LIGHT TRUCKS 8600LBS AND UNDER		3/1/2006	2 5
SAN ANTONIO	E85	Yes	2008	CHEV	UPLANDER	46978 716 - MINI-VANS		6/23/2008	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
LUBBOCK	E85	Yes	2008	CHEV	UPLANDER	46558 716 - MINI-VANS		8/18/2008	2 5
DFW	E85	Yes	2008	CHEV	UPLANDER	46578 716 - MINI-VANS		7/22/2008	2 5
MIDLAND	E85	Yes	2008	CHEV	UPLANDER	46579 716 - MINI-VANS		7/22/2008	2 5
AMARILLO	Unleaded	Yes	2008	CHEV	UPLANDER	46556 716 - MINI-VANS		8/18/2008	2 5
SAN ANGELO	Unleaded	Yes	2008	CHEV	UPLANDER	46555 716 - MINI-VANS		8/18/2008	2 5
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
HARLINGEN	Unleaded	No	2010	DODG	CARAVAN	48447 716 - MINI-VANS		11/25/2009	2 5
BEAUMONT	Unleaded	No	2010	DODG	CARAVAN	48446 716 - MINI-VANS		11/17/2009	2 5
WACO	Unleaded	No	2010	FORD	ESCAPE	49578 707 - SPORTS UTILITY VEHICLES		8/15/2010	2 5
CORPUS CHRISTI	Unleaded	No	2010	FORD	FUSION	51816 701 - PASSENGER CARS		2/14/2011	2 5
MIDLAND	Unleaded	No	2011	CHEV	HHR	52201 701 - PASSENGER CARS		4/29/2011	2 5
CENTRAL OFFICE	Unleaded	No	2011	CHEV	HHR	52200 701 - PASSENGER CARS		4/29/2011	2 5
CENTRAL OFFICE	Unleaded	Yes	2014	FORD	TAURUS	53772 701 - PASSENGER CARS		3/21/2014	2 5
CENTRAL OFFICE	Unleaded	Yes	2014	FORD	TAURUS	53771 701 - PASSENGER CARS		3/21/2014	2 5
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
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
MIDLAND	Unleaded	Yes	2006	FORD	F150	44322 709 - LIGHT TRUCKS 8600LBS AND UNDER		5/24/2006	2 8
CORPUS CHRISTI	Unleaded	Yes	2008	DODG	DAKOTA QUAD CAB	46983 709 - LIGHT TRUCKS 8600LBS AND UNDER		7/21/2008	2 8
HARLINGEN	Unleaded	No	2010	FORD	EXPEDITION	49572 707 - SPORTS UTILITY VEHICLES		7/12/2010	2 8
EL PASO	Unleaded	Yes	2011	FORD	ECONOLINE	52159 708 - CARGO AND PASSENGER VANS 708		3/8/2011	2 8



**SECTION II**

**STATEWIDE INFORMATION**

**REPORTABLE BY TCEQ**

-UNAUDITED-

## Analysis of Alternative Fuel Usage Reported by Agencies Fiscal Year Ended August 31, 2014

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<sub>x</sub>) standard.
- Vehicles assigned to various “bins” with Bin 5 considered the “average bin” because its useful life NO<sub>x</sub> 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 <sub>x</sub>	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<sub>x</sub>, 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<sub>x</sub>, 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 1,031 Federally certified light-duty passenger vehicles for the 2014 model year by fuel type and Tier 2 bin (<http://fueleconomy.gov/feg/download.shtml>).



-UNAUDITED-

Federal Tier 2 Certification	Compressed Natural Gas	Diesel Fuel	Electricity/Gasoline	Electricity Only	Ethanol/Gasoline	Gasoline Only	All Fuel Types
Bin 1				13			13
Bin 2	1					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 87% 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 benefit, 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 2014 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 2014 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 2014 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 2014 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 2014 fiscal year.

-UNAUDITED-

**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	40	4	0	1	2	0	49
303	Texas Facilities Commission	0	0	0	0	0	4	0	0	22	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	15	0	12	30
401	Adjutant General	0	0	1	0	0	0	0	0	2	3
405	Department of Public Safety	0	0	5	100	127	0	0	34	15	281
455	Texas Railroad Commission	0	0	0	0	12	0	0	1	5	18
529	Health and Human Services Commission	0	0	0	0	3	0	0	0	13	16
537	Department of State Health Services	0	0	9	12	54	0	0	7	76	158
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	4	7	0	0	0	28	39
551	Department of Agriculture	0	0	6	35	50	1	0	2	128	222
580	Texas Water Development Board	0	0	0	28	20	0	0	0	3	51
582	Texas Commission on Environmental Quality	0	0	26	10	20	0	0	11	0	67
592	Texas State Soil and Water Conservation Board	0	0	0	15	0	0	0	0	12	27
601	Texas Department of Transportation	0	0	3	4	4	0	0	2	237	250
608	Texas Department of Motor Vehicles	0	0	8	3	19	0	0	5	2	37
644	Texas Juvenile Justice Department	0	0	3	0	0	0	0	0	98	101
696	Texas Department of Criminal Justice	0	0	43	47	50	14	10	17	167	348
802	Texas Parks and Wildlife	0	0	0	0	0	0	0	401	210	611
808	Texas Historical Commission	0	0	3	0	17	0	0	35	1	56
Grand Total		0	0	109	298	390	20	26	518	1,031	2,392

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**2014 Fiscal Year Annual Benefits Summary (pounds per pollutant)**

Agency Code	Agency Name	Bins 3 and 4 Vehicles		Annual Benefits (pounds)		
		Number	Annual Miles	NO <sub>x</sub>	VOC	CO
302	Attorney General	42	656,936	43.88	22.88	1,319.12
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	1	23,309	1.53	1.18	30.19
405	Department of Public Safety	105	1,500,085	89.78	48.40	2,527.81
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	276,701	30.38	15.61	813.40
538	Department of Assistive and Rehabilitative Services	0	0	0.00	0.00	0.00
539	Department of Aging and Disability	4	75,630	5.74	2.82	184.34
551	Department of Agriculture	41	735,452	44.46	24.18	1,205.34
580	Texas Water Development Board	28	338,256	27.75	13.79	806.46
582	Texas Commission on Environmental Quality	36	461,975	41.50	25.54	1,043.71
592	Texas State Soil and Water Conservation Board	15	193,377	15.95	7.73	502.33
601	Texas Department of Transportation	7	77,563	8.41	5.19	178.06
608	Texas Department of Motor Vehicles	11	166,803	21.72	13.18	525.26
644	Texas Juvenile Justice Department	3	68,799	4.52	3.49	89.12
696	Texas Department of Criminal Justice	90	2,020,861	179.86	104.95	4,874.73
802	Texas Parks and Wildlife	0	0	0.00	0.00	0.00
808	Texas Historical Commission	3	26,174	2.57	1.67	61.13
Grand Total		460	6,621,921	518.04	290.61	14,161

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**2014 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 <sub>x</sub>	VOC	CO
302	Attorney General	0.18	0.09	5.28
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	0.12
405	Department of Public Safety	0.36	0.19	10.11
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	0.12	0.06	3.25
538	Department of Assistive and Rehabilitative Services	0.00	0.00	0.00
539	Department of Aging and Disability	0.02	0.01	0.74
551	Department of Agriculture	0.18	0.10	4.82
580	Texas Water Development Board	0.11	0.06	3.23
582	Texas Commission on Environmental Quality	0.17	0.10	4.17
592	Texas State Soil and Water Conservation Board	0.06	0.03	2.01
601	Texas Department of Transportation	0.03	0.02	0.71
608	Texas Department of Motor Vehicles	0.09	0.05	2.10
644	Texas Juvenile Justice Department	0.02	0.01	0.36
696	Texas Department of Criminal Justice	0.72	0.42	19.50
802	Texas Parks and Wildlife	0.00	0.00	0.00
808	Texas Historical Commission	0.01	0.01	0.24
Grand Total		2.07	1.16	56.64

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**Sample NO<sub>x</sub> Benefit Calculations for the 2014 Fiscal Year from TCEQ Bins 3 and 4 Vehicles**

Model Year	Vehicle Make	Vehicle Model	Tier 2 Bin	FY 2014 Mileage	Bin 5 NO <sub>x</sub> Rate (gpm)	Vehicle NO <sub>x</sub> Rate (gpm)	NO <sub>x</sub> Difference (gpm)	NO <sub>x</sub> Benefit (grams)
2008	FORD	ESCAPE HYBRID	3	16,135	0.1001	0.0429	0.0572	923
2009	FORD	ESCAPE HYBRID	3	21,941	0.0811	0.0347	0.0463	1,017
2009	FORD	ESCAPE HYBRID	3	5,297	0.0811	0.0347	0.0463	245
2009	FORD	ESCAPE HYBRID	3	7,344	0.0811	0.0347	0.0463	340
2009	FORD	ESCAPE HYBRID	3	10,220	0.0811	0.0347	0.0463	474
2009	FORD	ESCAPE HYBRID	3	10,503	0.0811	0.0347	0.0463	487
2009	FORD	ESCAPE HYBRID	3	9,990	0.0811	0.0347	0.0463	463
2009	FORD	ESCAPE HYBRID	3	11,336	0.0811	0.0347	0.0463	525
2009	FORD	ESCAPE HYBRID	3	16,901	0.0811	0.0347	0.0463	783
2009	FORD	ESCAPE HYBRID	3	7,940	0.0811	0.0347	0.0463	368
2009	FORD	ESCAPE HYBRID	3	14,496	0.0811	0.0347	0.0463	672
2009	FORD	ESCAPE HYBRID	3	12,203	0.0811	0.0347	0.0463	565
2009	FORD	ESCAPE HYBRID	3	10,765	0.0811	0.0347	0.0463	499
2009	FORD	ESCAPE HYBRID	3	7,279	0.0811	0.0347	0.0463	337
2009	FORD	ESCAPE HYBRID	3	8,544	0.0811	0.0347	0.0463	396
2009	FORD	ESCAPE HYBRID	3	11,474	0.0811	0.0347	0.0463	532
2009	FORD	ESCAPE HYBRID	3	7,367	0.0811	0.0347	0.0463	341
2009	TOYO	PRIUS	3	39,727	0.0811	0.0347	0.0463	1,841
2009	TOYO	PRIUS	3	7,342	0.0811	0.0347	0.0463	340
2009	TOYO	PRIUS	3	5,103	0.0811	0.0347	0.0463	236
2010	FORD	FOCUS	3	9,367	0.0807	0.0346	0.0461	432
2010	FORD	FOCUS	3	9,477	0.0807	0.0346	0.0461	437
2011	FORD	FOCUS	3	11,510	0.0521	0.0223	0.0298	343
2012	FORD	FOCUS	3	8,347	0.0549	0.0235	0.0314	262
2014	FORD	FUSION HYBRID	3	12,483	0.0545	0.0234	0.0312	389
2014	FORD	FUSION HYBRID	3	9,006	0.0545	0.0234	0.0312	281
2006	FORD	ESCAPE HYBRID	4	15,805	0.1285	0.0734	0.0551	870
2006	FORD	ESCAPE HYBRID	4	7,760	0.1285	0.0734	0.0551	427
2006	FORD	ESCAPE HYBRID	4	5,289	0.1285	0.0734	0.0551	291
2010	CHEV	IMPALA	4	18,835	0.0807	0.0461	0.0346	651
2010	CHEV	IMPALA	4	19,994	0.0807	0.0461	0.0346	691
2010	CHEV	IMPALA	4	25,176	0.0807	0.0461	0.0346	870
2011	CHEV	IMPALA	4	13,183	0.0521	0.0298	0.0223	294
2011	CHEV	IMPALA	4	26,276	0.0521	0.0298	0.0223	587
2011	CHEV	IMPALA	4	23,950	0.0521	0.0298	0.0223	535
2011	CHEV	IMPALA	4	3,610	0.0521	0.0298	0.0223	81

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**Sample VOC Benefit Calculations for the 2014 Fiscal Year from TCEQ Bins 3 and 4 Vehicles**

Model Year	Vehicle Make	Vehicle Model	Tier 2 Bin	FY 2014 Mileage	Bin 5 VOC Rate (gpm)	Vehicle VOC Rate (gpm)	VOC Difference (gpm)	VOC Benefit (grams)
2008	FORD	ESCAPE HYBRID	3	16,135	0.0916	0.0560	0.0356	575
2009	FORD	ESCAPE HYBRID	3	21,941	0.0777	0.0475	0.0302	663
2009	FORD	ESCAPE HYBRID	3	5,297	0.0777	0.0475	0.0302	160
2009	FORD	ESCAPE HYBRID	3	7,344	0.0777	0.0475	0.0302	222
2009	FORD	ESCAPE HYBRID	3	10,220	0.0777	0.0475	0.0302	309
2009	FORD	ESCAPE HYBRID	3	10,503	0.0777	0.0475	0.0302	317
2009	FORD	ESCAPE HYBRID	3	9,990	0.0777	0.0475	0.0302	302
2009	FORD	ESCAPE HYBRID	3	11,336	0.0777	0.0475	0.0302	342
2009	FORD	ESCAPE HYBRID	3	16,901	0.0777	0.0475	0.0302	511
2009	FORD	ESCAPE HYBRID	3	7,940	0.0777	0.0475	0.0302	240
2009	FORD	ESCAPE HYBRID	3	14,496	0.0777	0.0475	0.0302	438
2009	FORD	ESCAPE HYBRID	3	12,203	0.0777	0.0475	0.0302	369
2009	FORD	ESCAPE HYBRID	3	10,765	0.0777	0.0475	0.0302	325
2009	FORD	ESCAPE HYBRID	3	7,279	0.0777	0.0475	0.0302	220
2009	FORD	ESCAPE HYBRID	3	8,544	0.0777	0.0475	0.0302	258
2009	FORD	ESCAPE HYBRID	3	11,474	0.0777	0.0475	0.0302	347
2009	FORD	ESCAPE HYBRID	3	7,367	0.0777	0.0475	0.0302	223
2009	TOYO	PRIUS	3	39,727	0.0777	0.0475	0.0302	1,200
2009	TOYO	PRIUS	3	7,342	0.0777	0.0475	0.0302	222
2009	TOYO	PRIUS	3	5,103	0.0777	0.0475	0.0302	154
2010	FORD	FOCUS	3	9,367	0.0763	0.0466	0.0297	278
2010	FORD	FOCUS	3	9,477	0.0763	0.0466	0.0297	281
2011	FORD	FOCUS	3	11,510	0.0591	0.0361	0.0230	265
2012	FORD	FOCUS	3	8,347	0.0591	0.0361	0.0230	192
2014	FORD	FUSION HYBRID	3	12,483	0.0576	0.0352	0.0224	280
2014	FORD	FUSION HYBRID	3	9,006	0.0576	0.0352	0.0224	202
2006	FORD	ESCAPE HYBRID	4	15,805	0.1136	0.0884	0.0253	399
2006	FORD	ESCAPE HYBRID	4	7,760	0.1136	0.0884	0.0253	196
2006	FORD	ESCAPE HYBRID	4	5,289	0.1136	0.0884	0.0253	134
2010	CHEV	IMPALA	4	18,835	0.0763	0.0593	0.0170	319
2010	CHEV	IMPALA	4	19,994	0.0763	0.0593	0.0170	339
2010	CHEV	IMPALA	4	25,176	0.0763	0.0593	0.0170	427
2011	CHEV	IMPALA	4	13,183	0.0591	0.0460	0.0131	173
2011	CHEV	IMPALA	4	26,276	0.0591	0.0460	0.0131	345
2011	CHEV	IMPALA	4	23,950	0.0591	0.0460	0.0131	315
2011	CHEV	IMPALA	4	3,610	0.0591	0.0460	0.0131	47

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**Sample CO Benefit Calculations for the 2014 Fiscal Year from TCEQ Bins 3 and 4 Vehicles**

Model Year	Vehicle Make	Vehicle Model	Tier 2 Bin	FY 2014 Mileage	Bin 5 CO Rate (gpm)	Vehicle CO Rate (gpm)	CO Difference (gpm)	CO Benefit (grams)
2008	FORD	ESCAPE HYBRID	3	16,135	2.6604	1.3302	1.3302	21,463
2009	FORD	ESCAPE HYBRID	3	21,941	2.2355	1.1178	1.1178	24,525
2009	FORD	ESCAPE HYBRID	3	5,297	2.2355	1.1178	1.1178	5,921
2009	FORD	ESCAPE HYBRID	3	7,344	2.2355	1.1178	1.1178	8,209
2009	FORD	ESCAPE HYBRID	3	10,220	2.2355	1.1178	1.1178	11,423
2009	FORD	ESCAPE HYBRID	3	10,503	2.2355	1.1178	1.1178	11,740
2009	FORD	ESCAPE HYBRID	3	9,990	2.2355	1.1178	1.1178	11,166
2009	FORD	ESCAPE HYBRID	3	11,336	2.2355	1.1178	1.1178	12,671
2009	FORD	ESCAPE HYBRID	3	16,901	2.2355	1.1178	1.1178	18,891
2009	FORD	ESCAPE HYBRID	3	7,940	2.2355	1.1178	1.1178	8,875
2009	FORD	ESCAPE HYBRID	3	14,496	2.2355	1.1178	1.1178	16,203
2009	FORD	ESCAPE HYBRID	3	12,203	2.2355	1.1178	1.1178	13,640
2009	FORD	ESCAPE HYBRID	3	10,765	2.2355	1.1178	1.1178	12,033
2009	FORD	ESCAPE HYBRID	3	7,279	2.2355	1.1178	1.1178	8,136
2009	FORD	ESCAPE HYBRID	3	8,544	2.2355	1.1178	1.1178	9,550
2009	FORD	ESCAPE HYBRID	3	11,474	2.2355	1.1178	1.1178	12,825
2009	FORD	ESCAPE HYBRID	3	7,367	2.2355	1.1178	1.1178	8,234
2009	TOYO	PRIUS	3	39,727	2.2355	1.1178	1.1178	44,405
2009	TOYO	PRIUS	3	7,342	2.2355	1.1178	1.1178	8,207
2009	TOYO	PRIUS	3	5,103	2.2355	1.1178	1.1178	5,704
2010	FORD	FOCUS	3	9,367	2.2230	1.1115	1.1115	10,412
2010	FORD	FOCUS	3	9,477	2.2230	1.1115	1.1115	10,534
2011	FORD	FOCUS	3	11,510	1.1751	0.5875	0.5875	6,763
2012	FORD	FOCUS	3	8,347	1.2415	0.6207	0.6207	5,181
2014	FORD	FUSION HYBRID	3	12,483	1.2311	0.6156	0.6156	7,684
2014	FORD	FUSION HYBRID	3	9,006	1.2311	0.6156	0.6156	5,544
2006	FORD	ESCAPE HYBRID	4	15,805	2.9779	1.4889	1.4889	23,533
2006	FORD	ESCAPE HYBRID	4	7,760	2.9779	1.4889	1.4889	11,554
2006	FORD	ESCAPE HYBRID	4	5,289	2.9779	1.4889	1.4889	7,875
2010	CHEV	IMPALA	4	18,835	2.2230	1.1115	1.1115	20,935
2010	CHEV	IMPALA	4	19,994	2.2230	1.1115	1.1115	22,224
2010	CHEV	IMPALA	4	25,176	2.2230	1.1115	1.1115	27,983
2011	CHEV	IMPALA	4	13,183	1.1751	0.5875	0.5875	7,745
2011	CHEV	IMPALA	4	26,276	1.1751	0.5875	0.5875	15,438
2011	CHEV	IMPALA	4	23,950	1.1751	0.5875	0.5875	14,071
2011	CHEV	IMPALA	4	3,610	0.0521	0.0298	0.0223	81







