



November 2017  
SFR-72/17

# Annual Report of Nonfinancial Data

Fiscal Year Ended August 31, 2017



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Fiscal Year Ended August 31, 2017

Prepared by  
Financial Administration Division

SFR-72/17  
November 2017

[www.tceq.texas.gov/assets/public/comm\\_exec/pubs/sfr/072-17.pdf](http://www.tceq.texas.gov/assets/public/comm_exec/pubs/sfr/072-17.pdf)



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

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

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Bryan W. Shaw, Ph.D., P.E., *Chairman*  
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## TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

*Protecting Texas by Reducing and Preventing Pollution*

December 7, 2017

The Honorable Greg Abbott, Governor  
Ursula Parks, Director, Legislative Budget Board  
Lisa Collier, First Assistant State Auditor

Ladies and Gentleman:

We are pleased to submit the Texas Commission on Environmental Quality's *Annual Report of Nonfinancial Data* for the fiscal year ended August 31, 2017, 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 Mr. Greg Yturralde at (512) 239-1951.

Sincerely,

A handwritten signature in black ink that reads "Richard A. Hyde".

Richard A. Hyde, P.E.  
Executive Director





**SECTION I**

**TCEQ AGENCY-SPECIFIC**

**INFORMATION**

-UNAUDITED-

**SCHEDULE OF SPACE OCCUPIED****Fiscal Year Ended August 31, 2017**

<u>Location</u>	<u>Address</u>	<u>Name of Lessor</u>	<u>Lease No.</u>	<u>Type</u>
<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	70623	Storage
Brazos Watermaster	209 E Mulberry Street	Michael M Phillips Law Firm, P.C.	20591	Office
Dallas/Fort Worth	2309 Gravel Riverside Tech Center	Riverbend Complex LLC	10462	Office
Eagle Pass	1152 Ferry Street	Tres Pobres	9058	Office
Harlingen	1804 W. Jefferson	WJA Properties	9867	Office
Sugar Land Lab	12553 W Airport Cr	Griffin Partners Commerce Center, LP	14965	Lab
Houston Boat Storage	5144 Sam Houston Parkway North	Stephen Dennis Fallin	20507	Boat Storage
Laredo	707 Calton Rd.	TRE Ventuno LLC	10626	Office
Lubbock	5012 50th Street, Suite 100	3 Wiggle LLC	10767	Office
Midland	9900 W Interstate 20 Ste 100	KW-AFM Properties LLC	20301	Office/Lab/Storage
San Angelo	622 S. Oakes St.	City of San Angelo	9918	Office
San Angelo	5973 Knickerbocker	Red Bluff Storage	70627	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	Rydell Sanger, LLC	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	549	N/A - State-Owned Property		
117,762	388	N/A - State-Owned Property		
93,627	280	N/A - State-Owned Property		
11,164	47	N/A - State-Owned Property		
41,732	181	N/A - State-Owned Property		
7,124	20	N/A - State-Owned Property		
8,805	19	1.0656	\$ 9,382.92	\$ 112,595.04
7,475	27	0.8040	5,989.78	71,877.36
167,110	629	1.4525	242,760.98	2,913,131.70
3,212	0	0.2884	3,193.88	38,326.56
2,000	0	0.6000	1,199.33	14,391.96
15,274	57	1.4300	21,850.07	262,200.84
2,160	0	0.5700	1,225.00	14,700.00
958	1	1.580	1,513.64	18,163.68
26,084	94	0.7892	20,584.62	247,015.44
1,500	3	0.7192	1,078.85	12,946.20
12,109	32	1.2017	14,546.86	174,562.32
14,965	15	1.3100	19,701.41	236,416.92
3,212	0	1.3900	4,464.68	53,576.16
5,971	13	1.7050	10,178.64	122,143.68
6,848	17	1.2920	8,845.33	106,143.96
8,882	18	0.9500	8,498.82	101,985.84
7,946	18	0.9990	7,939.38	95,272.56
660	0	0.2420	160.00	1,920.00
17,020	65	0.0000	28,605.72	343,268.72
2,135	6	0.0000	2,384.43	28,613.16
15,640	50	4.8800	12,997.39	155,968.68
13,225	34	0.8553	13,461.76	161,541.12
1,871	7	1.2866	2,407.35	28,888.20
	<u>2570</u>		<u>\$ 427,995</u>	<u>\$ 5,297,486.42</u>

**PROFESSIONAL/CONSULTING FEES AND LEGAL SERVICE FEES**  
**For the Fiscal Year Ended August 31, 2017**

<u>PAYEE</u>	<u>AMOUNT</u>	<u>PURPOSE</u>
360 TRAINING COM INC	\$ 36.00	EDUCATIONAL/TRAINING SERVICES
ABACUS TECHNICAL SERVICES	104,619.00	INFORMATION TECHNOLOGY SERVICES
AD ENVIRONMENTAL SERVICES LLC	128,050.95	ARCHITECTURAL/ENGINEERING SERV
AECOM TECHNICAL SERVICES	6,490,476.66	ARCHITECTURAL/ENGINEERING SERV
AESF FOUNDATION	735.00	EDUCATIONAL/TRAINING SERVICES
ALERT LOGIC INC	5,000.00	OTHER PROFESSIONAL SERVICES
AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTUR	880,628.78	ARCHITECTURAL/ENGINEERING SERV
AMERICAN SAFETY COUNCIL INC	39.00	EDUCATIONAL/TRAINING SERVICES
AMERICAN SOCIETY FOR QUALITY	1,134.00	EDUCATIONAL/TRAINING SERVICES
AMERICAN WATER WORKS ASSOCIATION	750.00	EDUCATIONAL/TRAINING SERVICES
AMERICAN WATER WORKS ASSOCIATION TEXAS	4,813.75	OTHER PROFESSIONAL SERVICES
ANTEA USA INC	4,232,157.14	ARCHITECTURAL/ENGINEERING SERV
AQS INC	2,750.00	OTHER PROFESSIONAL SERVICES
ARTS+LABOR	68,930.30	OTHER PROFESSIONAL SERVICES
ASSOCIATION OF CERTIFIED FRAUD EXAMINERS	69.00	EDUCATIONAL/TRAINING SERVICES
ASTM INTERNATIONAL	10,000.00	EDUCATIONAL/TRAINING SERVICES
ATC GROUP SERVICES LLC	281,270.47	ARCHITECTURAL/ENGINEERING SERV
ATKINS NORTH AMERICA INC	378,410.00	OTHER PROFESSIONAL SERVICES
ATMOSPHERIC AND ENVIRONMENTAL RESEARCH INC	286,667.66	OTHER PROFESSIONAL SERVICES
AUSTIN CULLIGAN	1,209,288.65	OTHER PROFESSIONAL SERVICES
BANKSTON & ASSOCIATES PC	450.00	OTHER PROFESSIONAL SERVICES
BANSAR TECHNOLOGIES INC	603,793.10	INFORMATION TECHNOLOGY SERVICES
BIRCH BECKER & MOORMAN LLP	800.00	OTHER PROFESSIONAL SERVICES
BOAT ED DBA	20.00	EDUCATIONAL/TRAINING SERVICES
BURNS & MCDONNELL ENGINEERING COMPANY INC	175,100.00	OTHER PROFESSIONAL SERVICES
C & T INFORMATION TECHNOLOGY CONSULTING INC	728,771.96	INFORMATION TECHNOLOGY SERVICES
CB & I ENVIRONMENTAL & INFRASTRUCTURE INC	2,159,838.09	ARCHITECTURAL/ENGINEERING SERV
CB & I GOVERNMENT SOLUTIONS INC	366,727.63	OTHER PROFESSIONAL SERVICES
CERTIFIED STAFFING SOLUTIONS INC	742.50	EDUCATIONAL/TRAINING SERVICES
CITY OF AUSTIN-GRANTS ACCOUNTING	432,662.04	OTHER PROFESSIONAL SERVICES
CITY OF DALLAS	561,566.16	OTHER PROFESSIONAL SERVICES
CITY OF EL PASO	263,641.67	OTHER PROFESSIONAL SERVICES
CITY OF FORT WORTH	488,743.09	OTHER PROFESSIONAL SERVICES
CITY OF HOUSTON	831,448.25	OTHER PROFESSIONAL SERVICES
CITY OF SAN ANTONIO	124,491.48	OTHER PROFESSIONAL SERVICES
CMP MANAGEMENT INC	9,950.00	EDUCATIONAL/TRAINING SERVICES
COALFIRE SYSTEMS INC	3,937.50	OTHER PROFESSIONAL SERVICES
COLLEGE OF THE MAINLAND	9,624.00	EDUCATIONAL/TRAINING SERVICES
COMPLIANCE SOLUTIONS OCCUPATIONAL TRAINERS INC	119.00	EDUCATIONAL/TRAINING SERVICES
COOPER CONSULTING COMPANY	796,022.00	INFORMATION TECHNOLOGY SERVICES
CPA CROSSINGS LLC	366.00	EDUCATIONAL/TRAINING SERVICES
CPE DEPOT	49.00	EDUCATIONAL/TRAINING SERVICES
D & H UNITED FUELING SOLUTIONS	78,436.45	OTHER PROFESSIONAL SERVICES
DALE CARNEGIE & ASSOCIATES INC	798.00	EDUCATIONAL/TRAINING SERVICES
DANIEL B STEPHENS & ASSOCIATES	2,861,713.00	ARCHITECTURAL/ENGINEERING SERV
DANIEL B STEPHENS & ASSOCIATES INC	334,481.34	OTHER PROFESSIONAL SERVICES
DEER OAKS EAP SERVICES LLC	37,625.04	OTHER PROFESSIONAL SERVICES
DEFENSIVE DRIVING DOT COM	25.00	EDUCATIONAL/TRAINING SERVICES
DELL	5,263.16	EDUCATIONAL/TRAINING SERVICES
DESERT RESEARCH INSTITUTE	19,098.00	EDUCATIONAL/TRAINING SERVICES
DIGICERT INC	779.00	INFORMATION TECHNOLOGY SERVICES
DIOS DADO ENVIRONMENTAL LTD	185,803.68	OTHER PROFESSIONAL SERVICES
DKG MEDIA LP	849.00	EDUCATIONAL/TRAINING SERVICES
DOUBLEHORN COMMUNICATIONS LLC	2,595.00	INFORMATION TECHNOLOGY SERVICES
DR MICHAEL GAYLOR	5,000.00	OTHER WITNESS FEES
EA ENGINEERING SCIENCE AND TECHNOLOGY	246,909.88	ARCHITECTURAL/ENGINEERING SERV
EAGLE PASS ISD	15,999.99	OTHER PROFESSIONAL SERVICES
EASTERN RESEARCH GROUP INC	4,936.50	OTHER PROFESSIONAL SERVICES
EDUCATE 360 LLC	1,895.00	EDUCATIONAL/TRAINING SERVICES

**PROFESSIONAL/CONSULTING FEES AND LEGAL SERVICE FEES**  
**For the Fiscal Year Ended August 31, 2017**

<u>PAYEE</u>	<u>AMOUNT</u>	<u>PURPOSE</u>
EE&G	\$ 805,826.53	OTHER PROFESSIONAL SERVICES
EMERALD ENVIRONMENTAL SERVICES LTD	267,040.00	OTHER PROFESSIONAL SERVICES
EMPLOYEES RETIREMENT SYSTEM	142,800.00	OTHER PROFESSIONAL SERVICES
ENFOLD SYSTEMS INC	74,300.00	INFORMATION TECHNOLOGY SERVICES
ENFOTECH AND CONSULTING INC	160,430.00	INFORMATION TECHNOLOGY SERVICES
ENGELMANN LAND SERVICES LLC	8,370.00	OTHER PROFESSIONAL SERVICES
ENPROTEC INC/HBBS AND TODD INC	770,290.76	ARCHITECTURAL/ENGINEERING SERV
ENPROTEC/HIBBS & TODD INC	187,377.58	OTHER PROFESSIONAL SERVICES
ENSAFE INC	1,456,407.46	OTHER PROFESSIONAL SERVICES
ENVIRONMENTAL PROTECTION AGENCY	468,565.29	ARCHITECTURAL/ENGINEERING SERV
ENVIRONMENTAL RESEARCH & EDUCATION FOUNDATION	610.00	EDUCATIONAL/TRAINING SERVICES
ENVIRONMENTAL TEAM RESOURCES LLC	1,900.00	EDUCATIONAL/TRAINING SERVICES
ERG	130,684.00	OTHER PROFESSIONAL SERVICES
ESI INTERNATIONAL	23,969.23	EDUCATIONAL/TRAINING SERVICES
FOUNDATION FOR CROSS-CONNECTION CONTROL	20,700.00	EDUCATIONAL/TRAINING SERVICES
FRED PRYOR SEMINARS	199.00	EDUCATIONAL/TRAINING SERVICES
FUGRO EARTHDATA INC	217,445.79	ARCHITECTURAL/ENGINEERING SERV
GALVESTON COUNTY HEALTH DISTRICT	90,099.37	OTHER PROFESSIONAL SERVICES
GEO STRATA-INTERA LLC	56,006.08	OTHER PROFESSIONAL SERVICES
GEOSPATIAL TRAINING SERVICES LLC	129.00	EDUCATIONAL/TRAINING SERVICES
GEOSTRATA ENVIRONMENTAL CONSULTANTS INC	429,913.04	OTHER PROFESSIONAL SERVICES
GEOSYNTHETIC INSTITUTE	250.00	EDUCATIONAL/TRAINING SERVICES
GETDEFENSIVE COM	25.00	EDUCATIONAL/TRAINING SERVICES
GLEIM PUBLICATIONS INC	759.20	EDUCATIONAL/TRAINING SERVICES
GRADCO LLC DBA GRADIENT	233,301.50	OTHER PROFESSIONAL SERVICES
GRIMES & ASSOCIATES CONSULTING ENGINEERS	465,831.73	ARCHITECTURAL/ENGINEERING SERV
HEATVISION COM INC	879.00	EDUCATIONAL/TRAINING SERVICES
HOME TEAM SERVICES LLC DBA GLOBAL NETWATCH	2,016.55	INFORMATION TECHNOLOGY SERVICES
INCONTROL TECHNOLOGIES INC	1,260,863.88	ARCHITECTURAL/ENGINEERING SERV
INDUSTRIAL COMMUNICATIONS	1,474.50	EDUCATIONAL/TRAINING SERVICES
INFORMATION NETWORK INTERNATIONAL INC	19,720.00	INFORMATION TECHNOLOGY SERVICES
INFORMATION SYSTEMS AUDIT & CONTROL ASSOC	130.00	EDUCATIONAL/TRAINING SERVICES
IPSO FACTO CONSULTING INC	119,135.21	INFORMATION TECHNOLOGY SERVICES
JAMS INC	847.50	OTHER PROFESSIONAL SERVICES
JET SOFTWARE SOLUTIONS INC	2,245,157.00	INFORMATION TECHNOLOGY SERVICES
KFORCE INC	118,487.00	INFORMATION TECHNOLOGY SERVICES
KLEINFELDER INC	18,406.50	OTHER PROFESSIONAL SERVICES
KNOWBILITY INC	498.75	EDUCATIONAL/TRAINING SERVICES
KNOWLEDGENET ENTERPRISES LLC	12,980.00	EDUCATIONAL/TRAINING SERVICES
KOOS & ASSOCIATES INC	44,132.87	OTHER PROFESSIONAL SERVICES
KRIST INC	119.95	EDUCATIONAL/TRAINING SERVICES
LABWORKS LLC	4,200.00	EDUCATIONAL/TRAINING SERVICES
LEAK SURVEYS INC	69,298.45	OTHER PROFESSIONAL SERVICES
LEITA HART-FANTA CPA	200.00	EDUCATIONAL/TRAINING SERVICES
LINEBARGER GOGGAN BLAIR SAMPSON LLP	110,210.82	FINANCIAL AND ACCOUNTING SERV
LINKEDIN CORPORATION	11,160.80	EDUCATIONAL/TRAINING SERVICES
LION TECHNOLOGY INC	586.00	EDUCATIONAL/TRAINING SERVICES
LORMAN BUSINESS CENTER INC	199.00	EDUCATIONAL/TRAINING SERVICES
LUMENBRITE TRAINING	1,295.00	EDUCATIONAL/TRAINING SERVICES
MCLANE ADVANCED TECHNOLOGIES	16,888.50	INFORMATION TECHNOLOGY SERVICES
MCLANE GROUP	150,009.60	INFORMATION TECHNOLOGY SERVICES
MET ONE INSTRUMENTS INC	2,000.00	EDUCATIONAL/TRAINING SERVICES
MICROASSIST INC	44,200.20	EDUCATIONAL/TRAINING SERVICES
MIDWEST GEOSCIENCES GROUP	1,049.00	EDUCATIONAL/TRAINING SERVICES
MILLER ENGINEERS INC DBA SOUDER MILLER & ASSOC	151,175.39	OTHER PROFESSIONAL SERVICES
MYERS AND STAUFFER LC	2,000.00	INFORMATION TECHNOLOGY SERVICES
NATIONAL ECONOMIC RESEARCH ASSOCIATES INC	196,010.00	OTHER PROFESSIONAL SERVICES
NATIONAL PARK SERVICE	14,493.58	OTHER PROFESSIONAL SERVICES
NEIL S GRIGG PE	3,752.99	OTHER PROFESSIONAL SERVICES

**PROFESSIONAL/CONSULTING FEES AND LEGAL SERVICE FEES**  
**For the Fiscal Year Ended August 31, 2017**

<u>PAYEE</u>	<u>AMOUNT</u>	<u>PURPOSE</u>
NEOS CONSULTING GROUP LLC	\$ 17,948.96	INFORMATION TECHNOLOGY SERVICES
NEW HORIZONS COMPUTER LEARNING CENTERS OF AUSTIN	38,630.00	EDUCATIONAL/TRAINING SERVICES
NF CONSULTING SERVICES	271,068.50	INFORMATION TECHNOLOGY SERVICES
NXT TEAM INC	1,100.00	EDUCATIONAL/TRAINING SERVICES
OFFICE OF ATTORNEY GENERAL	1,245.00	LEGAL SERVICES
OMEGA PROJECT SOLUTIONS INC	11,175.00	INFORMATION TECHNOLOGY SERVICES
ONLINE CONSULTING INC DBA ONLC TRAINING CENTERS	5,842.00	EDUCATIONAL/TRAINING SERVICES
ORACLE AMERICA INC	14,273.00	EDUCATIONAL/TRAINING SERVICES
ORSAT L L C	510,560.00	OTHER PROFESSIONAL SERVICES
PACOTECH INC	3,200,872.38	OTHER PROFESSIONAL SERVICES
PARSON TRANSPORTATION GROUP	164,791.55	OTHER PROFESSIONAL SERVICES
PDHONLINE ORG INC	294.00	EDUCATIONAL/TRAINING SERVICES
PHILOTECHNICS LTD	1,267,480.18	OTHER PROFESSIONAL SERVICES
PLURALSIGHT LLC	2,994.00	EDUCATIONAL/TRAINING SERVICES
PROGRESSIVE ENVIRONMENTAL SERVICES INC	818,731.24	OTHER PROFESSIONAL SERVICES
PROJECT MANAGEMENT INSTITUTE	411.50	EDUCATIONAL/TRAINING SERVICES
Q SAFETY CONSULTANTS LLC	1,750.00	EDUCATIONAL/TRAINING SERVICES
QUANTUM ENVIRONMENTAL CONSULTANTS INC	5,863.66	OTHER PROFESSIONAL SERVICES
RAMBOLL ENVIRON US CORPORATION	548,084.83	OTHER PROFESSIONAL SERVICES
RANGER ENVIRONMENTAL SERVICES INC	657,667.04	ARCHITECTURAL/ENGINEERING SERV
REDVECTOR COM LLC	25,010.00	EDUCATIONAL/TRAINING SERVICES
SAFETY UNLIMITED INC	39.95	EDUCATIONAL/TRAINING SERVICES
SCHOOL OF PE INC	990.00	EDUCATIONAL/TRAINING SERVICES
SHEPHERD TECHNICAL SERVICES	104,237.00	OTHER PROFESSIONAL SERVICES
SIMS & ASSOCIATES WEST INC	134,550.00	OTHER PROFESSIONAL SERVICES
SKILLPATH SEMINARS	304.95	EDUCATIONAL/TRAINING SERVICES
SKILLSOFT CORPORATION	61,346.08	EDUCATIONAL/TRAINING SERVICES
SLA ENVIRONMENTAL SERVICES LTD	43,216.72	OTHER PROFESSIONAL SERVICES
STATE BAR OF TEXAS	977.50	EDUCATIONAL/TRAINING SERVICES
STATISTICS COM	1,413.60	EDUCATIONAL/TRAINING SERVICES
SUNCOAST LEARNING SYSTEMS INC	470.00	EDUCATIONAL/TRAINING SERVICES
SUTRON CORPORATION	136,353.38	OTHER PROFESSIONAL SERVICES
SYSTEMS EVOLUTION INC	114,655.00	INFORMATION TECHNOLOGY SERVICES
TALON LPE LTD	2,014,606.40	ARCHITECTURAL/ENGINEERING SERV
TECHNICAL MONITORING SERVICES INC	207,025.00	OTHER PROFESSIONAL SERVICES
TERA	4,963.00	OTHER PROFESSIONAL SERVICES
TERRACON CONSULTANTS INC	304,855.62	OTHER PROFESSIONAL SERVICES
TERRA-SOLVE INC	30,056.24	OTHER PROFESSIONAL SERVICES
TEXAS A&M ENGINEERING EXTENSION SERVICE	299,400.00	EDUCATIONAL/TRAINING SERVICES
TEXAS AWWA	18,890.25	OTHER PROFESSIONAL SERVICES
TEXAS CENTER FOR LEGAL ETHICS	780.00	EDUCATIONAL/TRAINING SERVICES
TEXAS COMPTROLLER OF PUBLIC ACCOUNTS	8,641.00	OTHER PROFESSIONAL SERVICES
TEXAS DEPARTMENT OF INFORMATION RESOURCES	10,930,484.52	COMPUTER SERVICES-STATEWIDE TECH. CENTER
TEXAS DEPARTMENT OF MOTOR VEHICLES	17,316.32	OTHER PROFESSIONAL SERVICES
TEXAS PARKS & WILDLIFE DEPARTMENT	228,952.40	OTHER PROFESSIONAL SERVICES
TEXAS RURAL WATER ASSOCIATION	1,104,667.92	OTHER PROFESSIONAL SERVICES
TEXAS TREASURY SAFEKEEPING TRUST COMPANY	1,496,517.68	INFORMATION TECHNOLOGY SERVICES
TEXAS WATER UTILITIES ASSOCIATION	400.00	EDUCATIONAL/TRAINING SERVICES
TEXAS WORKFORCE COMMISSION	42,768.00	EDUCATIONAL/TRAINING SERVICES
THE NELAC INSTITUTE	650.00	EDUCATIONAL/TRAINING SERVICES
THE SPEARHEAD GROUP INC	342,628.50	INFORMATION TECHNOLOGY SERVICES
THERMO ELECTRON NORTH AMERICA LLC	3,706.00	EDUCATIONAL/TRAINING SERVICES
THERMO ENVIRONMENTAL INSTRUMENTS INC	7,505.00	EDUCATIONAL/TRAINING SERVICES
THOMSON REUTERS (TAX & ACCOUNTING) INC	92.00	EDUCATIONAL/TRAINING SERVICES
TIBH INDUSTRIES INC - TEMPS	151,394.00	INFORMATION TECHNOLOGY SERVICES
TIMOTHY LEE WHITEAKER	176.40	EDUCATIONAL/TRAINING SERVICES
TLI SOLUTIONS INC	301,258.93	OTHER PROFESSIONAL SERVICES
TXC TEXAS CREATIVE LTD	131,412.56	OTHER PROFESSIONAL SERVICES
UNITED STATES GEOLOGICAL SURVEY	692,409.90	OTHER PROFESSIONAL SERVICES

**PROFESSIONAL/CONSULTING FEES AND LEGAL SERVICE FEES**  
**For the Fiscal Year Ended August 31, 2017**

<u>PAYEE</u>	<u>AMOUNT</u>	<u>PURPOSE</u>
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL	\$ 600.00	EDUCATIONAL/TRAINING SERVICES
UNIVERSITY OF TEXAS AT AUSTIN	52,530.00	EDUCATIONAL/TRAINING SERVICES
UNIVERSITY OF TEXAS HEALTH SERVICES	497,298.00	MEDICAL SERVICES
USDA-NFC-FMMI COD COLLECTIONS	200,000.00	OTHER PROFESSIONAL SERVICES
USER INTERFACE ENGINEERING	496.80	EDUCATIONAL/TRAINING SERVICES
UT HEALTH CENTER AT TYLER	18,479.00	MEDICAL SERVICES
UXO PRO INC	14,155.07	OTHER PROFESSIONAL SERVICES
WEBCE	44.95	EDUCATIONAL/TRAINING SERVICES
WEST TEXAS A&M UNIVERSITY	86,463.38	INFORMATION TECHNOLOGY SERVICES
WESTERN GOVERNORS' ASSOCIATION	1,500.00	EDUCATIONAL/TRAINING SERVICES
WESTON SOLUTIONS INC	995,866.23	OTHER PROFESSIONAL SERVICES
WILKINS GROUP INC	2,759.64	INFORMATION TECHNOLOGY SERVICES
WOOTEN ENVIRONMENTAL CONSULTING	39,200.00	OTHER PROFESSIONAL SERVICES
X8ENVIRONMENTAL INC	728,329.91	ARCHITECTURAL/ENGINEERING SERV
<b>TOTAL PROFESSIONAL AND CONSULTING FEES</b>	<b>\$ 65,227,334.11</b>	
<b>LEGAL SERVICE FEES</b>		
STATE OFFICE OF ADMINISTRATIVE HEARINGS	816,000.00	OTHER PROFESSIONAL SERVICES
SOMACH SIMMONS & DUNN	1,940,363.53	LEGAL SERVICES
<b>TOTAL LEGAL SERVICE FEES</b>	<b>\$ 2,756,363.53</b>	
<b>TOTAL PROFESSIONAL/CONSULTING AND LEGAL SERVICES</b>		
<b>FEES REPORTED ON ANNUAL FINANCIAL REPORT</b>	<b>\$ 67,983,697.64</b>	

-UNAUDITED-

**SCHEDULE OF ITEMIZED PURCHASES (PROPRIETARY PURCHASES)**  
**Fiscal Year Ended August 31, 2017**

<u>Vendor Name</u>	<u>Amount</u>	<u>Purpose</u>	<u>Justification</u>
ENTECH INSTRUMENTS, INC.	\$ 18,707.30	Canister Cleaning Module	Entech equipment utilizes a proprietary internal coating, Silonite®, which has undergone extensive method development and testing by the laboratory and contributes to the ability of the data generated to meet data quality objectives.
AGILENT TECHNOLOGIES	\$ 32,956.19	Gas Chromatograph	Agilent Technologies equipment, in conjunction with an Entech concentrator, has undergone extensive method development and testing by the laboratory to achieve data quality that meets the Quality Assurance Project Plans (QAPP) requirements. Another manufacturer's equipment would require method development and extensive testing to determine if the system could reliably achieve the same level of quality data over time.
GLOBE ELECTRIC SUPPLY COMPANY, INC.	\$ 16,266.30	Cartridges	DNPH Cartridges are used in the Air Laboratory for the analysis of carbonyls by EPA Modified Method TO-11A in support of state and federal monitoring programs. These items have been qualified by the laboratory for this test method.
GSD OPERATIONS	\$ 26,178.00	Air Monitoring Equipment Parts	These Original Equipment Manufacturer (OEM) parts are required to insure proper fit and function. Incorrect parts may cause loss of data.
TELEDYNE INSTRUMENTS, INC.	\$ 27,213.00	Teledyne Parts	All gas analyzers currently owned by TCEQ are Teledyne API Analyzers. All repair parts/supplies that TCEQ currently has in stock are for Teledyne instruments.



-UNAUDITED-

**SCHEDULE OF ITEMIZED PURCHASES (PROPRIETARY PURCHASES)**  
**Fiscal Year Ended August 31, 2017**

<u>Vendor Name</u>	<u>Amount</u>	<u>Purpose</u>	<u>Justification</u>
MARINELAND BOATING CENTER	\$ 12,490.00	Boat Motor	To maintain continuity with existing Yamaha port engine and systems purchased with boat to prevent potential damage to boat, engines, mechanical and electrical systems. The differing power bands & torque, lower unit gear ratio, and unequal thrust ratio at the same rpm provided by different manufacturers will cause issues with performance, handling, safety, and uneven torquing of the boat transom. Furthermore, installation of various manufacturers will increase cost of installation for compatibility issues with the existing Yamaha systems and creates a one off system with custom or difficult to source parts for repairs.
ALL BUSINESS MACHINES	\$ 12,990.02	Parts for Agilent gas analyzers	Proprietary Purchase for parts used to maintain, repair and replace existing parts in the Agilent Gas Chromatography Mass Spectrometry (GC-MS) instruments. These analyze air samples by EPA Methods TO-15, TO-12, and TO-13A in support of state and federally mandated monitoring programs.
NI GOVERNMENT SERVICES, INC.	\$ 14,448.44	Satellite Phone Service	NI Government Services is the only vendor in North America that provides federal, state, local, and tribal entities with national and regional interoperable public safety communications over the Ligado Networks. These radios will operate as a telephone or 2-way radio via satellite which is required as part of the Texas Statewide Interoperability program and TCEQ must keep the same talkgroups.
TELEDYNE INSTRUMENTS, INC	\$ 60,799.68	Analyzer Parts	Teledyne parts are designed to fit Teledyne equipment and configurations. Other manufacturers parts are not compatible with Teledyne equipment.

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**SCHEDULE OF ITEMIZED PURCHASES (PROPRIETARY PURCHASES)****Fiscal Year Ended August 31, 2017**

<u>Vendor Name</u>	<u>Amount</u>	<u>Purpose</u>	<u>Justification</u>
AGS SCIENTIFIC INC.	\$ 7,800.00	Nippon Instruments Mercury Analyzer Model #MA300 SC Extended Warranty	The Nippon Instruments Mercury Analyzer performs analyses on solid mercury samples from State lakes and streams and analyses on liquid samples to ensure the permit limits are followed by industries in the State of Texas. If any other parts are used with this equipment, the warranty will be voided.
SUTRON CORPORATION - AIR QUALITY DIVISION	\$ 117,034.00	Sutron Dataloggers	The Sutron 8080 Data Logger with the LEADS® ambient monitoring software is the only commercially available off-the-shelf device that complies with all of TCEQ's specifications and has "plug and play" capability to interface with TCEQ's LEADS® data acquisition system and TCEQ's air monitoring instruments/equipment.
ALL BUSINESS MACHINES	\$ 29,034.48	Software Upgrade	The 7890B Series Gas Chromatograph System has a warranty that expires 8/26/17. The use of non factory authorized parts would invalidate standard Agilent warranties.

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## HUB STRATEGIC PLAN PROGRESS REPORT

For the Year Ended August 31, 2017

Goal = Strategic Plan HUB Goal Actual = % Spent with HUBs from HUB Report	Actual for FY 2016	Actual for FY 2017	Goal for FY 2018
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	14.02%	11.89%	23.7%
Other services contracts	38.91%	40.44%	26.0%
Commodities contracts	36.28%	28.39%	21.1%

Prepared by: Claribel Diaz

Printed Name: Claribel Diaz

Phone Number: (512) 239-1293

Approved: [Signature]

Printed Name: John Racanelli

Phone Number: (512) 239- 6866

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**APPROPRIATION ITEM TRANSFER SCHEDULE**  
**Fiscal Year Ended August 31, 2017**

**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	\$ 1,016,674.00	\$ (716,364.67)	\$ 300,309.33
A.1.2. 13035 Water Assessment and Planning	709,150.00	(921,198.75)	(212,048.75)
A.1.3. 13036 Waste Assessment and Planning		(40,895.38)	(40,895.38)
A.2.1. 13031 Air Quality Permitting	67,939.73	(69,000.00)	(1,060.27)
A.2.2. 13032 Water Resource Permitting	558,348.00	1,086.00	559,434.00
A.2.3. 13033 Waste Management and Permitting	112,656.00	(213,572.00)	(100,916.00)
A.2.4. 13043 Occupational Licensing			0.00
A.3.1. 13038 Low-Level Radioactive Waste		(46,751.00)	(46,751.00)
<b>Total Goal A: Assessment, Planning and Permitting</b>	<u>\$ 2,464,767.73</u>	<u>\$ (2,006,695.80)</u>	<u>\$ 458,071.93</u>
<b>B. Goal: Drinking Water &amp; Water Utilities</b>			
Strategies:			
B.1.1. 13039 Safe Drinking Water	\$ (182,298.15)	\$ (361,115.85)	\$ (543,414.00)
B.1.2. 13040 Water Utilities Oversight	0.00	24,432.82	24,432.82
<b>Total Goal B: Drinking Water &amp; Water Utilities</b>	<u>\$ (182,298.15)</u>	<u>\$ (336,683.03)</u>	<u>\$ (518,981.18)</u>
<b>C. Goal: Enforcement and Compliance</b>			
Strategies:			
C.1.1. 13041 Field Inspections and Complaints	\$ 1,307,295.26	\$ (1,414,738.74)	\$ (107,443.48)
C.1.2. 13042 Enforcement and Compliance Support	550,171.78	(533,275.02)	16,896.76
C.1.3. 13037 Pollution Prevention Recycling	427,661.97	(9,000.00)	418,661.97
<b>Total Goal C: Enforcement and Compliance</b>	<u>\$ 2,285,129.01</u>	<u>\$ (1,957,013.76)</u>	<u>\$ 328,115.25</u>
<b>D. Goal: Pollution Cleanup</b>			
Strategies:			
D.1.1. 13044 Storage Tank Admin & Cleanup	\$ 0.00	\$ (839,121.00)	\$ (839,121.00)
D.1.2. 13046 Hazardous Materials Cleanup	213,626.00	93,759.51	307,385.51
<b>Total Goal D: Pollution Cleanup</b>	<u>\$ 213,626.00</u>	<u>\$ (745,361.49)</u>	<u>\$ (531,735.49)</u>
<b>E. Goal: River Compact Commission</b>			
Strategies:			
E.1.1. 13050 Canadian River Compact	\$ 0.00	\$ 0.00	\$ 0.00
E.1.2. 13051 Pecos River Compact	0.00	0.00	0.00
E.1.3. 13052 Red River Compact	0.00	0.00	0.00
E.1.4. 13053 Rio Grande River Compact	0.00	0.00	0.00
E.1.5. 13054 Sabine River Compact	0.00	0.00	0.00
<b>Total Goal E: River Compact Commission</b>	<u>\$ 0.00</u>	<u>\$ 0.00</u>	<u>\$ 0.00</u>
<b>F. Goal: Indirect Administration</b>			
Strategies:			
F.1.1. 13800 Central Administration	\$ 1,456,487.91	\$ (131,328.90)	\$ 1,325,159.01
F.1.2. 13801 Information Resources	1,298,346.81	(108,256.16)	1,190,090.65
F.1.3. 13802 Other Support Services	(482.06)	(2,250,238.11)	(2,250,720.17)
<b>Total Goal F: Indirect Administration</b>	<u>\$ 2,754,352.66</u>	<u>\$ (2,489,823.17)</u>	<u>\$ 264,529.49</u>
<b>Net Appropriation Item Transfers</b>	<u>\$ 7,535,577.25</u>	<u>\$ (7,535,577.25)</u>	<u>\$ 0.00</u>

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

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**SCHEDULE OF VEHICLES PURCHASED**  
**Fiscal Year Ended August 31, 2017**

<b>Make</b>	<b>Model</b>	<b>Quantity</b>	<b>Purchase Price</b>	<b>Type of Use</b>	<b>Fuel Efficiency In Average Miles per Gallon City/Highway</b>
Chevrolet	Silverado	1	\$ 21,443	Field Investigation	18/24
Toyota	RAV4	1	27,965	Field Investigation	N/A
Chevrolet	Silverado	1	27,150	Field Investigation	17/22
Chevrolet	Silverado	1	27,150	Field Investigation	17/22
Chevrolet	Silverado	1	27,150	Field Investigation	17/22
Chevrolet	Silverado	1	24,602	Field Investigation	18/24
Chevrolet	Silverado	1	27,960	Field Investigation	17/22
Ford	F150	1	25,112	Field Investigation	15/21
Ford	F150	1	28,364	Field Investigation	15/21
Ford	Expedition	1	33,448	Field Investigation	N/A
Ford	Expedition	1	34,020	Field Investigation	N/A
Chevrolet	Silverado	1	21,408	Field Investigation	18/24
Chevrolet	Silverado	1	21,408	Field Investigation	18/24
Chevrolet	Silverado	1	24,652	Field Investigation	17/22
Chevrolet	Silverado	1	19,791	Field Investigation	18/24
Ford	F350	1	56,033	Field Investigation	N/A
Ford	Expedition	1	34,170	Field Investigation	N/A
Chevrolet	Equinox	1	18,444	Central Administration	22/32
Chevrolet	Equinox	1	18,440	Central Administration	22/32
Chevrolet	Equinox	1	18,440	Central Administration	22/32
Chevrolet	Silverado	1	28,748	Field Investigation	18/24
Dodg	Ram 1500 Truck	1	25,694	Field Investigation	16/26
Chevrolet	Traverse	1	23,199	Field Investigation	17/24
Chevrolet	Silverado	1	28,896	Field Investigation	18/24
Chevrolet	Silverado	1	25,469	Field Investigation	17/22
Chevrolet	Silverado	1	27,562	Field Investigation	17/22
Chevrolet	Silverado	1	27,562	Field Investigation	17/22
Chevrolet	Silverado	1	28,180	Field Investigation	17/22
Chevrolet	Silverado	1	28,180	Field Investigation	17/22
Chevrolet	Silverado	1	28,255	Field Investigation	17/22
Chevrolet	Silverado	1	27,787	Field Investigation	17/22
Chevrolet	Silverado	1	25,409	Field Investigation	17/22
Volv	VNL64T	1	117,024	Field Investigation	N/A
Chevrolet	Silverado	1	27,562	Field Investigation	17/22
Chevrolet	Silverado	1	26,035	Field Investigation	17/22
Ford	Escape	1	18,698	Field Investigation	N/A
Ford	F250	1	37,632	Field Investigation	N/A
Ford	Explorer	1	24,975	Field Investigation	17/24
Ford	Expedition	1	33,957	Field Investigation	N/A
Ford	Expedition	1	33,957	Field Investigation	N/A
Ford	Explorer	1	31,145	Field Investigation	17/24
Chevrolet	Silverado	1	20,491	Field Investigation	18/24
Chevrolet	Silverado	1	20,491	Field Investigation	18/24
Ford	F150	1	30,091	Field Investigation	15/21
Ford	Explorer	1	31,145	Field Investigation	17/24
Ford	Explorer	1	24,975	Field Investigation	17/24
Ford	F250SD	1	36,570	Field Investigation	N/A
Toyota	RAV4	1	28,788	Field Investigation	N/A

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**INDIRECT COST SCHEDULE**  
**Fiscal Year Ended August 31, 2017**

The Indirect Cost Schedule will be completed by January 31, 2018.

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## Alternative Fuel Vehicle Progress Report Fiscal Year Ended August 31, 2017

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 398 motor vehicles, of which 194, or 49%, are considered alternative fuel vehicles. The total eligible motor vehicles subject to the statute is 36, of which 33, or 92%, 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 14, or 39% of 36 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 accepting the new Voyager Fleet Card.

### Schedule of Fuel Consumption – Total Motor Vehicle Fleet Fiscal Years Ended 2016 and 2017

<b>FY 2016</b>	<b>Sep</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	15,730	20,682	14,528	15,806	15,775	15,736	18,133	17,997	17,253	18,955	19,904	16,887
LPG/E85	0	90	15	19	21	70	20	24	55	0	24	21
Total Fuel	15,730	20,772	14,543	15,825	15,796	15,805	18,153	18,022	17,308	18,955	19,904	16,908
Total Miles	281,849	334,467	226,807	230,729	240,738	241,109	280,345	274,600	268,171	339,570	277,713	326,594
Avg. MPG	18	16	16	15	15	15	15	15	15	18	14	19
<b>FY 2017</b>	<b>Sep</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	17,247	20,848	16,636	16,181	15,730	15,637	17,855	15,482	16,980	17,513	16,767	19,485
LPG/E85	38	32	15	22	0	0	0	60	0	0	0	0
Total Fuel	17,284	20,880	16,651	16,203	15,730	15,637	17,855	15,542	16,980	17,513	16,767	19,485
Total Miles	247,457	292,017	260,865	231,054	241,924	227,881	255,070	225,697	318,762	241,972	220,376	204,573
Avg. MPG	14	14	16	14	15	15	14	15	18	14	13	12

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VEHICLES ELIGIBLE FOR ALTERNATIVE FUEL REPORTING REQUIREMENT  
FISCAL YEAR ENDED AUGUST 31, 2017

Physical Location	Alternative Fuel		Year	Make	Model	Asset #	Vehicle Class	Acquisition Date	Tier	Bin
	Fuel Type	Capable								
CENTRAL	Unleaded for Gas Hybrid	Yes	2008	FORD	ESCAPE HYBRID	046543	707 - SPORTS UTILITY VEHICLES	10/31/2005	2	3
EL PASO	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	046577	707 - SPORTS UTILITY VEHICLES	12/9/2008	2	3
TYLER	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	046573	707 - SPORTS UTILITY VEHICLES	1/14/2009	2	3
DFW	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	046567	707 - SPORTS UTILITY VEHICLES	11/24/2008	2	3
DFW	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	046568	707 - SPORTS UTILITY VEHICLES	12/3/2008	2	3
BEAUMONT	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	046586	707 - SPORTS UTILITY VEHICLES	1/6/2009	2	3
BEAUMONT	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	046585	707 - SPORTS UTILITY VEHICLES	1/6/2009	2	3
BEAUMONT	Unleaded for Gas Hybrid	Yes	2009	FORD	ESCAPE HYBRID	046587	707 - SPORTS UTILITY VEHICLES	1/9/2009	2	3
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	TOYO	PRIUS	047800	701 - PASSENGER CARS	4/28/2009	2	3
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	TOYO	PRIUS	047799	701 - PASSENGER CARS	4/28/2009	2	3
HOUSTON	Unleaded for Gas Hybrid	Yes	2009	TOYO	PRIUS	047801	701 - PASSENGER CARS	4/28/2009	2	3
AMARILLO	Unleaded	No	2010	FORD	FOCUS	048659	701 - PASSENGER CARS	4/13/2010	2	3
AMARILLO	Unleaded	No	2010	FORD	FOCUS	048660	701 - PASSENGER CARS	4/13/2010	2	3
ABELINE	Unleaded	No	2011	FORD	FOCUS	049520	701 - PASSENGER CARS	7/27/2010	2	3
LUBBOCK	Unleaded	No	2012	FORD	FOCUS	052262	701 - PASSENGER CARS	5/20/2011	2	3
582 - TCEQ	Unleaded for Gas Hybrid	Yes	2014	FORD	FUSION HYBRID	053769	701 - PASSENGER CARS	3/13/2014	2	3
582 - TCEQ	Unleaded for Gas Hybrid	Yes	2014	FORD	FUSION HYBRID	053770	701 - PASSENGER CARS	3/17/2014	2	3
CENTRAL	Unleaded for Gas Hybrid	Yes	2006	FORD	ESCAPE HYBRID	044339	707 - SPORTS UTILITY VEHICLES	5/17/2006	2	4
582 - TCEQ	Unleaded	Yes	2010	CHEV	IMPALA	048917	701 - PASSENGER CARS	6/7/2010	2	4
582 - TCEQ	Unleaded	Yes	2011	CHEV	IMPALA	052193	701 - PASSENGER CARS	4/6/2011	2	4
582 - TCEQ	Unleaded	Yes	2016	FORD	TAURUS	054811	701 - PASSENGER CARS	2/3/2016	2	4
582 - TCEQ	Unleaded	Yes	2016	FORD	TAURUS	054812	701 - PASSENGER CARS	2/3/2016	2	4
DFW	E85	Yes	2008	CHEV	UPLANDER	046578	716 - MINI-VANS	7/22/2008	2	5
CORPUS CHRISTI	E85	Yes	2008	CHEV	UPLANDER	046982	716 - MINI-VANS	6/30/2008	2	5
CORPUS CHRISTI	E85	Yes	2008	CHEV	UPLANDER	046981	716 - MINI-VANS	6/30/2008	2	5
LUBBOCK	E85	Yes	2008	CHEV	UPLANDER	046558	716 - MINI-VANS	8/18/2008	2	5
AMARILLO	Unleaded	Yes	2008	CHEV	UPLANDER	046556	716 - MINI-VANS	8/18/2008	2	5
BEAUMONT	Unleaded	No	2010	DODG	CARAVAN	048446	716 - MINI-VANS	11/17/2009	2	5
582 - TCEQ	Unleaded	No	2011	CHEV	HRH	052200	707 - SPORTS UTILITY VEHICLES	4/29/2011	2	5
582 - TCEQ	Unleaded	Yes	2014	FORD	TAURUS	053772	701 - PASSENGER CARS	3/21/2014	2	5
582 - TCEQ	Unleaded	Yes	2014	FORD	TAURUS	053771	701 - PASSENGER CARS	3/21/2014	2	5
582 - TCEQ	Unleaded	Yes	2016	CHEV	IMPALA	054628	701 - PASSENGER CARS	7/15/2015	2	5
582 - TCEQ	Unleaded	Yes	2016	CHEV	IMPALA	054627	701 - PASSENGER CARS	7/15/2015	2	5
SAN ANTONIO	Unleaded	No	2016	FORD	TAURUS	054942	701 - PASSENGER CARS	6/2/2016	2	5
582 - TCEQ	Unleaded	No	2015	CHEV	EQUINOX	054580	707 - SPORTS UTILITY VEHICLES	5/28/2015	2	6



**SECTION II**

**STATEWIDE INFORMATION**

**REPORTABLE BY TCEQ**

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### Analysis of Alternative Fuel Usage Reported by Agencies Fiscal Year Ended August 31, 2017

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 to reflect 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/>) for light-duty passenger vehicles that began entering the fleet during the 2004 model year:

- They are based on a 0.07 grams per mile (gpm) full useful life (120,000 mile) fleet average nitrogen oxides (NO<sub>x</sub>) standard.
- Vehicles are assigned to various “bins” with Bin 5 considered the “average bin” because it’s 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 (gpm)**

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
<b>5</b>	<b>0.07</b>	<b>0.090</b>	<b>4.2</b>
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

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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 the United States (U.S.) Environmental Protection Agency's (EPA's) Green Vehicle Guide data files that provides a breakdown of the 1,298 Federally certified light-duty passenger vehicles for the 2017 model year by fuel type and Tier 2 bin <http://fueleconomy.gov/feg/download.shtml>.

Tier 2 Bin	Diesel Fuel	Electricity/ Gasoline	Electricity Only	Ethanol/ Gasoline	Gasoline Only	Hydrogen	All Fuel Types
Bin 1			28			3	31
Bin 2		10			166		176
Bin 3				6	162		168
Bin 4	10	8		39	611		668
Bin 5	9	2		18	220		249
Bin 6							
Bin 7							
Bin 8				1	5		6
Total	19	20	28	64	1,164	3	1,298

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 2017 and other recent model years, there are no production vehicles available powered by compressed natural gas (CNG), 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 2017 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 2017 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 NO<sub>x</sub>, VOC, and CO for the 2017 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 2017 fiscal year.

An accompanying Excel spreadsheet contains the calculations on separate worksheets for multiple state agencies. Examples of the NO<sub>x</sub>, VOC, and CO calculations for the Bins 3 and 4 vehicles in the TCEQ fleet are also provided.

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**Number of 2004-and-Newer Vehicles by Tier 2 Bin Reported by State Agency for the 2017 Fiscal Year**

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	58	3	0	1	2	6	72
303	Texas Facilities Commission	0	0	0	0	0	3	0	0	14	17
304	Comptroller of Public Accounts	0	0	0	0	0	0	0	2	0	2
305	General Land Office	0	0	0	0	3	0	4	0	19	26
401	Texas Military Department	0	0	1	0	0	0	0	0	4	5
405	Department of Public Safety	0	0	4	160	108	0	0	9	5	286
455	Texas Railroad Commission	0	0	0	0	9	0	0	1	3	13
529	Health and Human Services Commission	0	0	0	0	2	0	0	0	12	14
537	Department of State Health Services	0	0	9	7	44	0	0	4	96	160
538	Department of Assistive and Rehabilitative Services	0	0	0	0	0	0	0	0	0	0
539	Department of Aging and Disability	0	0	0	4	6	0	0	0	31	41
551	Department of Agriculture	0	0	3	61	73	3	0	0	101	241
580	Texas Water Development Board	0	0	0	23	20	0	0	0	5	48
582	Texas Commission on Environmental Quality	0	0	17	5	12	1	0	0	0	35
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	52	26	0	0	34	156	271
608	Texas Department of Motor Vehicles	0	0	2	0	8	0	0	1	1	12
644	Texas Juvenile Justice Department	0	0	0	0	0	0	0	0	134	134
696	Texas Department of Criminal Justice	0	0	35	35	108	41	17	9	70	315
802	Texas Parks and Wildlife	0	0	0	0	0	0	0	402	98	500
808	Texas Historical Commission	0	0	3	0	17	0	0	45	1	66
	Grand Total	0	0	79	420	439	48	22	509	768	2,285

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**2017 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	60	681,477	48.54	25.13	1,396.40
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	Texas Military Department	1	39,840	5.02	3.13	116.83
405	Department of Public Safety	164	1,840,480	126.45	65.35	3,690.82
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	16	118,291	18.08	10.64	411.68
538	Department of Assistive and Rehabilitative Services	0	0	0.00	0.00	0.00
539	Department of Aging and Disability	4	39,412	3.33	1.65	101.25
551	Department of Agriculture	64	1,106,508	72.96	39.33	2,083.91
580	Texas Water Development Board	23	198,368	16.82	8.23	492.98
582	Texas Commission on Environmental Quality	22	212,471	22.21	13.53	494.15
592	Texas State Soil and Water Conservation Board	15	217,540	20.16	9.79	580.64
601	Texas Department of Transportation	55	333,468	18.30	10.60	479.39
608	Texas Department of Motor Vehicles	2	19,240	3.70	2.72	78.33
644	Texas Juvenile Justice Department	0	0	0.00	0.00	0.00
696	Texas Department of Criminal Justice	70	1,020,812	133.42	74.87	3,278.19
802	Texas Parks and Wildlife	0	0	0.00	0.00	0.00
808	Texas Historical Commission	3	62,039	5.63	3.89	122.51
Grand Total		499	5,889,946	494.63	268.85	13,327.08

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**2017 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	0.19	0.10	5.59
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	Texas Military Department	0.02	0.01	0.47
405	Department of Public Safety	0.51	0.26	14.76
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	0.07	0.04	1.65
538	Department of Assistive and Rehabilitative Services	0.00	0.00	0.00
539	Department of Aging and Disability	0.01	0.01	0.40
551	Department of Agriculture	0.29	0.16	8.34
580	Texas Water Development Board	0.07	0.03	1.97
582	Texas Commission on Environmental Quality	0.09	0.05	1.98
592	Texas State Soil and Water Conservation Board	0.08	0.04	2.32
601	Texas Department of Transportation	0.07	0.04	1.92
608	Texas Department of Motor Vehicles	0.01	0.01	0.31
644	Texas Juvenile Justice Department	0.00	0.00	0.00
696	Texas Department of Criminal Justice	0.53	0.30	13.11
802	Texas Parks and Wildlife	0.00	0.00	0.00
808	Texas Historical Commission	0.02	0.02	0.49
	<b>Grand Total</b>	<b>1.98</b>	<b>1.08</b>	<b>53.31</b>

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**Sample NO<sub>x</sub> Benefit Calculations for the 2017 Fiscal Year from TCEQ Bins 3 and 4 Vehicles**

Model Year	Vehicle Make	Vehicle Model	Tier 2 Bin	FY 2016 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	0	0.1294	0.0555	0.0740	0
2009	FORD	ESCAPE HYBRID	3	2,144	0.1285	0.0551	0.0734	157
2009	FORD	ESCAPE HYBRID	3	10,444	0.1285	0.0551	0.0734	767
2009	FORD	ESCAPE HYBRID	3	11,489	0.1285	0.0551	0.0734	844
2009	FORD	ESCAPE HYBRID	3	8,235	0.1285	0.0551	0.0734	605
2009	FORD	ESCAPE HYBRID	3	9,776	0.1285	0.0551	0.0734	718
2009	FORD	ESCAPE HYBRID	3	10,958	0.1285	0.0551	0.0734	805
2009	FORD	ESCAPE HYBRID	3	10,535	0.1285	0.0551	0.0734	774
2009	TOYO	PRIUS	3	3,792	0.1285	0.0551	0.0734	278
2009	TOYO	PRIUS	3	3,984	0.1285	0.0551	0.0734	293
2009	TOYO	PRIUS	3	4,100	0.1285	0.0551	0.0734	301
2010	FORD	FOCUS	3	5,575	0.1007	0.0431	0.0575	321
2010	FORD	FOCUS	3	5,694	0.1007	0.0431	0.0575	328
2011	FORD	FOCUS	3	7,030	0.1001	0.0429	0.0572	402
2012	FORD	FOCUS	3	0	0.0811	0.0347	0.0463	0
2014	FORD	FUSION HYBRID	3	19,950	0.0521	0.0223	0.0298	594
2014	FORD	FUSION HYBRID	3	24,168	0.0521	0.0223	0.0298	720
2006	FORD	ESCAPE HYBRID	4	0	0.1541	0.0880	0.0660	0
2010	CHEV	IMPALA	4	3,168	0.1007	0.0575	0.0431	137
2011	CHEV	IMPALA	4	18,308	0.1001	0.0572	0.0429	785
2016	FORD	TAURUS	4	26,354	0.0547	0.0313	0.0234	618
2016	FORD	TAURUS	4	26,767	0.0547	0.0313	0.0234	628

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**Sample VOC Benefit Calculations for the 2017 Fiscal Year from TCEQ Bins 3 and 4 Vehicles**

Model Year	Vehicle Make	Vehicle Model	Tier 2 Bin	FY 2017 Mileage	Bin 5 VOC Rate (gpm)	Vehicle VOC Rate (gpm)	VOC Difference (gpm)	VOC Benefit (grams)
2008	FORD	ESCAPE HYBRID	3	0	0.1163	0.0711	0.0452	0
2009	FORD	ESCAPE HYBRID	3	2,144	0.1136	0.0694	0.0442	95
2009	FORD	ESCAPE HYBRID	3	10,444	0.1136	0.0694	0.0442	462
2009	FORD	ESCAPE HYBRID	3	11,489	0.1136	0.0694	0.0442	508
2009	FORD	ESCAPE HYBRID	3	8,235	0.1136	0.0694	0.0442	364
2009	FORD	ESCAPE HYBRID	3	9,776	0.1136	0.0694	0.0442	432
2009	FORD	ESCAPE HYBRID	3	10,958	0.1136	0.0694	0.0442	484
2009	FORD	ESCAPE HYBRID	3	10,535	0.1136	0.0694	0.0442	466
2009	TOYO	PRIUS	3	3,792	0.1136	0.0694	0.0442	168
2009	TOYO	PRIUS	3	3,984	0.1136	0.0694	0.0442	176
2009	TOYO	PRIUS	3	4,100	0.1136	0.0694	0.0442	181
2010	FORD	FOCUS	3	5,575	0.0935	0.0571	0.0364	203
2010	FORD	FOCUS	3	5,694	0.0935	0.0571	0.0364	207
2011	FORD	FOCUS	3	7,030	0.0916	0.0560	0.0356	250
2012	FORD	FOCUS	3	0	0.0777	0.0475	0.0302	0
2014	FORD	FUSION HYBRID	3	19,950	0.0591	0.0361	0.0230	459
2014	FORD	FUSION HYBRID	3	24,168	0.0591	0.0361	0.0230	556
2006	FORD	ESCAPE HYBRID	4	0	0.1690	0.1314	0.0375	0
2010	CHEV	IMPALA	4	3,168	0.0935	0.0727	0.0208	66
2011	CHEV	IMPALA	4	18,308	0.0916	0.0712	0.0203	372
2016	FORD	TAURUS	4	26,354	0.0583	0.0454	0.0130	342
2016	FORD	TAURUS	4	26,767	0.0583	0.0454	0.0130	347



-UNAUDITED-

**Sample CO Benefit Calculations for the 2017 Fiscal Year from TCEQ Bins 3 and 4 Vehicles**

Model Year	Vehicle Make	Vehicle Model	Tier 2 Bin	FY 2016 Mileage	Bin 5 CO Rate (gpm)	Vehicle CO Rate (gpm)	CO Difference (gpm)	CO Benefit (grams)
2008	FORD	ESCAPE HYBRID	3	0	2.9981	1.4990	1.4990	0
2009	FORD	ESCAPE HYBRID	3	2,144	2.9779	1.4889	1.4889	3,192
2009	FORD	ESCAPE HYBRID	3	10,444	2.9779	1.4889	1.4889	15,550
2009	FORD	ESCAPE HYBRID	3	11,489	2.9779	1.4889	1.4889	17,106
2009	FORD	ESCAPE HYBRID	3	8,235	2.9779	1.4889	1.4889	12,261
2009	FORD	ESCAPE HYBRID	3	9,776	2.9779	1.4889	1.4889	14,556
2009	FORD	ESCAPE HYBRID	3	10,958	2.9779	1.4889	1.4889	16,316
2009	FORD	ESCAPE HYBRID	3	10,535	2.9779	1.4889	1.4889	15,686
2009	TOYO	PRIUS	3	3,792	2.9779	1.4889	1.4889	5,646
2009	TOYO	PRIUS	3	3,984	2.9779	1.4889	1.4889	5,932
2009	TOYO	PRIUS	3	4,100	2.9779	1.4889	1.4889	6,105
2010	FORD	FOCUS	3	5,575	2.6769	1.3384	1.3384	7,462
2010	FORD	FOCUS	3	5,694	2.6769	1.3384	1.3384	7,621
2011	FORD	FOCUS	3	7,030	2.6604	1.3302	1.3302	9,351
2012	FORD	FOCUS	3	0	2.2355	1.1178	1.1178	0
2014	FORD	FUSION HYBRID	3	19,950	1.1751	0.5875	0.5875	11,721
2014	FORD	FUSION HYBRID	3	24,168	1.1751	0.5875	0.5875	14,200
2006	FORD	ESCAPE HYBRID	4	0	3.7196	1.8598	1.8598	0
2010	CHEV	IMPALA	4	3,168	2.6769	1.3384	1.3384	4,240
2011	CHEV	IMPALA	4	18,308	2.6604	1.3302	1.3302	24,353
2016	FORD	TAURUS	4	26,354	1.2366	0.6183	0.6183	16,294
2016	FORD	TAURUS	4	26,767	1.2366	0.6183	0.6183	16,550





