



# CITY OF SHREVEPORT

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web site: [www.shreveportla.gov](http://www.shreveportla.gov)

August 9, 2018

Ozone Advance  
c/o/ Laura Bunte  
U. S. Environmental Protection Agency  
Office of Air Quality Planning and Standards, C304-01  
Research Triangle Park, NC 27711

Dear Ms. Bunte:

This is our fourth annual update on the status of the Shreveport-Bossier City Metropolitan Statistical Area's Ozone Advance program.

As the attached chart shows, the ozone design value for our MSA remains low (65 ppb as of the end of 2017), continuing the overall downward trend that has been ongoing since the year 2000. The highest 8 hour average ozone reading at both of the two local monitors during the summer of 2017 was 70 ppb.

As was the case with the previous three years, no ozone action days were declared for the area by the Louisiana Department of Environmental Quality during the entire summer of 2017.

Our area actually had a slightly cooler than normal summer in 2017, with higher than normal rainfall. The temperature reached 100 degrees on only one day in 2017, and the average monthly high temperature exceeded 90 degrees only in the month of July, which is highly unusual. These slightly cooler and wetter than normal summer conditions certainly helped in keeping our ozone levels down during the 2017 ozone season.

An updated table is attached, listing the status of the various commitments made by local stakeholders at the outset of the ozone advance program as well as additional projects undertaken since that time. Also attached is a table listing activities that have been completed. An updated list of our ozone action program participants is also attached.

If you have any questions or need additional information, please let us know.

Sincerely,

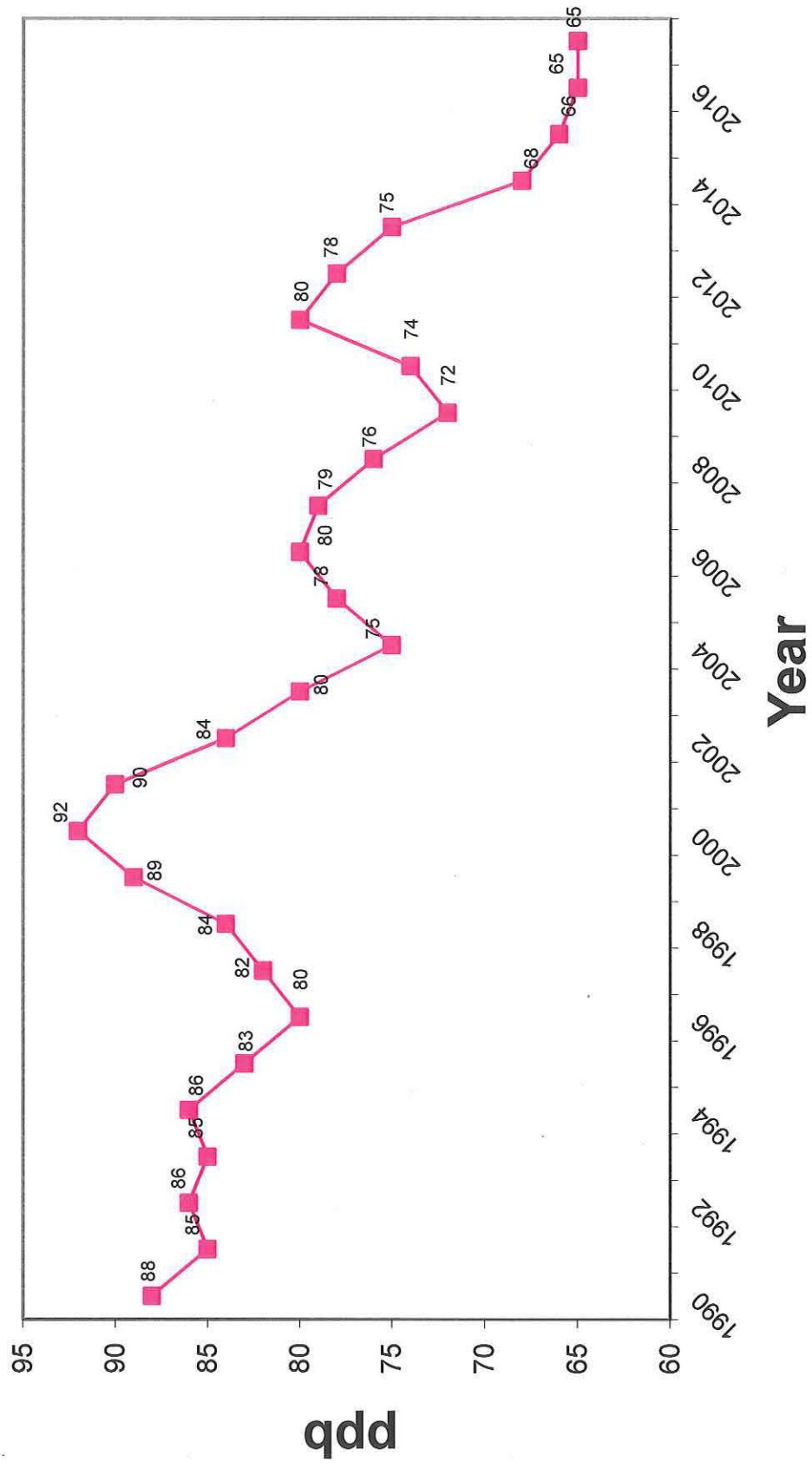


Wes Wyche  
Environmental Services Manager

attachments

cc: Ken Boyce, EPA Region 6  
Vivian Aucoin, Louisiana Department of Environmental Quality  
Hon. Lorenz Walker, Mayor of Bossier City  
Hon. Ollie S. Tyler, Mayor of Shreveport  
Woody Wilson, Parish Administrator, Caddo Parish Commission  
Bill Altimus, Parish Administrator, Bossier Parish Police Jury  
Steve Brown, Parish Administrator, DeSoto Parish Police Jury  
Kent Rogers, Executive Director, Northwest Louisiana Council of Governments

# Shreveport Area Ozone Design Values



## ONGOING ACTIVITIES

<b>RESPONSIBLE PARTY</b>	<b>ACTION</b>	<b>START DATE</b>	<b>COMPLETION DATE</b>	<b>ANNUAL UPDATE</b>
City of Shreveport/Local Ozone Action Network	Reorganize/revitalize local ozone action network	Kickoff meeting held July, 2012	Ongoing—efforts continue to increase number of stakeholders and stakeholder participation	Continued to keep stakeholders updated on air quality matters via e-mails; continued efforts to recruit new stakeholders
City of Shreveport/Local Ozone Action Network	Media campaign	Press release issued March 19, 2013; issuance of survey  Press conference held Earth Day 2013  TV appearances, Spring 2013	Ongoing, with heavy emphasis at outset of each ozone season	Continued to update local ozone action network by e-mails on initiatives and issues pertaining to ozone  City participated in SPORTRAN's "Dump the Pump" Day described below
Louisiana Dept. of Transportation and Development	Display ozone information on electronic traffic billboards before during ozone action days	Ozone season 2013	Ongoing during ozone seasons	Ongoing. No ozone action days declared in summer of 2017.
City of Shreveport	Update/Improve local Air Quality website ( <a href="http://www.shreveportla.gov/index.aspx?nid=254">www.shreveportla.gov/index.aspx?nid=254</a> )	2013	Ongoing	Updated website, ensured all informational links are operational
Barksdale Air Force Base	Utilize Defense Connect Online system to conduct and attend meetings, reducing vehicle travel.	2013	Ongoing	Ongoing.



City of Bossier City	Installation of two publicly accessible CNG fueling stations; replacement of old gasoline/diesel fleet vehicles with new CNG vehicles	Began 2011	Fueling infrastructure completed by 2011; as of summer 2013, 6 dump trucks, 1 sweeper, 45 SUVs and 30 pickups purchased.	City now has 2 CNG bucket trucks, 8 CNG dump trucks, 2 CNG sweepers, 140 CNG SUVs and pickups.  City's contract refuse hauler utilizing all CNG packers.
SPORTAN	Installation of fast-fill CNG fueling facility; Replacement of 14 old diesel buses and 3 para-transit vans with CNG vehicles	Began 2010	Completed 2011	Currently operating 27 CNG transit buses (8 more than previous year) and 6 shuttle buses; 5 new electric buses obtained in 2017. Plans in place for acquiring 11 additional CNG and 3 electric buses.
City of Shreveport	Installation of public accessible CNG fueling facility; replacement of 19 old diesel garbage trucks with diesel trucks	Initial refuse trucks acquired 2011	Station complete and open to public spring 2013; buses purchased and in service 2012	18 CNG refuse trucks remain in service. City not planning to expand CNG garbage truck fleet at this time.
AEP-SWEPCO (local electric utility)	Residential Energy Efficiency Program - Free energy efficiency audits offered to qualifying residences, with incentives for implementing recommended improvements	2015	Ongoing	Program continuing. Incentives available annually on first come, first served basis until funding for year runs out.

AEP SWEPCO	Commercial/Industrial Energy Efficiency Program - Incentive payments available to qualifying program participants that install energy efficiency upgrades	2015	Ongoing	Program continuing. Incentive payments available annually on first come, first served basis until funding for year runs out.
CLECO/AEP-SWEPCO Dolet Hills Power Plant	Operate new "selective non-catalytic reduction system" during ozone action days	Ozone season 2013	ongoing	Commitment continues. No ozone action days declared in summer of 2017.
Chesapeake Energy	Implementing various operational controls which reduce compression and other equipment operation time		Implemented as of 2012	Ongoing
SPORTRAN	Offering discounted monthly bus passes to employees/students of Ozone Action Network participants	Ozone season 2013	Ongoing during future ozone seasons	Program continues. Another "Dump the Pump" Day took place in June, 2017, in effort to publicize and promote public transportation.
SPORTRAN, City of Shreveport Department of Water and Sewerage	Implementation of fleet anti-idling policies	Summer 2013	Ongoing	Ongoing
Barksdale Air Force Base	Execute grounds maintenance contract specifying curtailed/restricted equipment use in order to lower emissions	Contract signed August, 2013		Ongoing
City of Shreveport/Ozone Action Network	Review/evaluate path forward actions and revise as needed		At least annually	Ongoing

Additional commitments since initial path forward letter:

<b>RESPONSIBLE PARTY</b>	<b>ACTION</b>	<b>START DATE</b>	<b>COMPLETION DATE</b>	<b>LATEST ANNUAL UPDATE</b>
City of Shreveport	Extend landfill gas collection contract with Renovar; partner on long-term project to convert gas to pipeline quality and market to local gas utility	2014	Expected in 2018	Renovar has been acquired by MAS Energy, LLC. Construction of gas collection system completed in fall of 2017. Construction of processing plant began in October 2017, with completion expected in 2018.
Barksdale Air Force Base	Vehicle emissions testing	2014	ongoing	Continued emissions testing on all on-road gasoline powered fleet vehicles; repairs are made if problems are noted  Continued opacity testing on all on-road fleet diesel vehicles; repairs are made if problems are noted
Barksdale Air Force Base	Reduced mowing frequency	2014	ongoing	Continued with reduced mowing protocols affecting roughly 1000 acres of land
Kansas City Southern Railroad	Sustainability Study	2013	ongoing	Projects completed as a result of the study were listed in the 2015 report.  Continued with idle reduction monitoring program as described in last year's update.  KCS reports that as of 2017 it has reduced NOx emissions system-wide by almost 1% as the result of its fuel conservation initiatives, which include manual and automatic



				locomotive shutdown when operating conditions permit at the Shreveport yard.
Caddo Parish Commission	Anti-idling policy	2015	Ongoing	Continued this policy in 2017
City of Shreveport	Sponsor utility use tracking project for local elementary school, McKinney Byrd Academy	2016	Ongoing	Purchased software for school; school began project
General Electric	Install LED lighting throughout Shreveport plant	2016	Ongoing	Project continued in 2017. Any lighting needing replacing is replaced by LED lighting. In 2017 GE also replaced 2 large HVAC units with more energy efficient systems.
Shreveport Green	Urban forestry program	Ongoing	Ongoing	Local environmental non-profit promotes urban forestry/tree canopy initiatives through programs like its regional growing station (providing trees to community groups and nonprofits).
City of Shreveport	LED lighting retrofit of Independence Stadium	2017	Expected in 2019	City has reprogrammed roughly \$350,000 from an earlier EECBG grant from the U. S. Dept. of Energy, now to be utilized for a LED lighting retrofit project at Independence Stadium. Construction expected to begin in late 2018.
City of Shreveport	Bike Lane project	2017	Ongoing	In 2017, bike lanes were implemented on three major thoroughfares connecting commercial districts with residential areas. Additional phases planned for the future.

Barksdale Air Force Base/Centerpoint Energy	Utility Energy Savings Contract	2017	Ongoing	In 2017, Barksdale Air Force Base entered into a utility energy savings contract which will include retrofitting over 23,000 fluorescent fixtures with more efficient lighting, converting street and parking lot lighting to LED, expanding automated control of HVAC systems, more efficient tuning of over 60 boilers, and installing infrared heating in 5 maintenance facilities and hangars.
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## COMPLETED ACTIVITIES

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RESPONSIBLE PARTY	ACTION	START DATE	COMPLETION DATE
Time-It Lube	Installation of publicly accessible CNG fueling facility		Opened to public mid-2012
Relay Station	Installation of public CNG fueling facility		Opened to public Spring 2012
Chevron Shop-A-Lot	Installation of publicly accessible CNG fueling facility		Opened to public Spring 2012
Ternium USA	Replacement of VOC destruct equipment with more effective/efficient equipment	Purchase of unit, summer 2013	Completed 2014
Kansas City Southern Railroad	Installation of automatic engine start-stop system on switching locomotives; approximately 20 – 25 switch engines operate at the Shreveport yard	2011	Completed mid-2012
Barksdale Air Force Base	Replacement of boilers with energy efficient units in 5 buildings		Completed 2012
Barksdale Air Force Base	Installation of more energy efficient lighting in 38 buildings		Completed 2012
Ivan Smith Furniture	Construction of new CNG fueling facility which accommodates heavy duty fleet vehicles	2014	Completed summer 2014
City of Bossier City	LED lighting replacement project, Municipal Complex	2013	Completed 2014



Caddo Parish Commission	Various energy efficiency projects, which in 2016 included installation of energy efficient chillers at parish Coroner's offices and installation of energy efficient lighting at fleet building yard.	2015	2016
Tesla	Installation of 8 EV chargers at Mall St. Vincent in Shreveport	2016	2016
City of Shreveport	New Unified Development Code adopted by City in 2017. Includes tree preservation/and planting requirements and incentives, in keeping with goal of increasing "urban canopy" and reducing heat island effect. Code includes provisions on energy efficiency initiatives such as collective alternative energy systems, commercial and private electric vehicle charging stations, solar panels and solar farms, wind turbines/wind energy systems, and bicycle lane standards	Consultant retained to develop code, 2013	2017
Barksdale Air Force Base	Implement projects identified in 2012 Sustainable Infrastructure Audit, including replacement of existing units, chillers, condensers or motors in 22 buildings with energy efficient equipment, and replacement of boilers in 23 buildings with energy efficient units	2013	2017

**Greater Shreveport – Bossier City  
Ozone Action Program Participants  
(Updated as of 2017)**

A-1 Charter  
AEP – SWEPCO  
AlSCO Uniforms  
Bancorp South  
Barksdale Air Force Base  
BASF Corporation  
Benteler Steel  
BHP Billiton  
Bossier Parish Community College  
Bossier Parish Police Jury  
Bossier Parish School Board  
Brammer Engineering  
Caddo Parish Commission  
Caddo Parish School Board  
Calumet Lubricants  
Centenary College  
Central Oil  
Centerpoint Energy  
Chemtrade Logistics  
Chesapeake Energy  
City of Bossier City  
City of Shreveport  
Desoto Parish Police Jury  
Desoto Parish School Board  
Dr. Reddy's Labs  
Eagle Distributing of Shreveport  
Evangel Christian Academy  
Exco Resources  
Frymaster  
General Electric  
Greater Shreveport Chamber of Commerce  
Holmes Honda  
International Paper  
Ivan Smith Furniture  
JW Operating  
Kansas City Southern Railroad  
Keller Williams Realty  
Louisiana Department of Environmental Quality  
Louisiana Department of Transportation and Development  
Louisiana Public Service Commission

Libbey Glass  
LSU-Shreveport  
McKinney Byrd Academy  
Metropolitan Planning Commission of Shreveport/Caddo Parish  
Millen Oil  
MBI  
North Louisiana Economic Partnership  
Northwest Louisiana Council of Governments  
Port of Caddo-Bossier  
Pratt Industries  
Red River Watershed Management  
Relay Station  
Ryder Trucks  
Shreveport Fire Department  
Shreveport Green  
Shreveport Transit Management (SPORTTRAN)  
Southern University – Shreveport Bossier  
Tango Transport  
Ternium USA  
Time-It Lube  
UPS  
U. S. Veterans Administration