



CITY OF SHREVEPORT

P. O. Box 31109, Shreveport, LA 71130 • 505 Travis St., Suite 300, Shreveport, LA 71101
web site: www.shreveportla.gov

June 10, 2020

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 fifth periodic update on the status of the Shreveport-Bossier City Metropolitan Statistical Area's Ozone Advance program, providing the program's status as of the end of calendar year 2019, covering calendar years 2018 and 2019.

As the attached chart shows, the ozone design value is continuing the downward trend that has been ongoing since 2000. Unofficial design value for our MSA as of the end of 2019 was 64 ppb, which is 2 ppb lower than the design value as of the end of 2018.

One ozone action day was declared for our area by the Louisiana Department of Environmental Quality during calendar year 2018, and no one ozone action days were declared in calendar year 2019.

Notably, the lower design value was achieved in spite of the fact that both years' ozone seasons (the period from May 1 through September 30) were significantly hotter than normal. The average temperature for Shreveport during that period, dating back to 1874, is 79.32 degrees. In 2018, the average temperature for that period was 82.56 degrees and in 2019 it was 81.48 degrees.

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. Some highlights of activities occurring in 2018 and 2019 are the completion of eight new bike lane projects by the City of Shreveport; increased usage of idle reduction technology at the KCS rail yard; and replacement of concourse lighting with LED at Shreveport's Independence Stadium.

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

Sincerely,

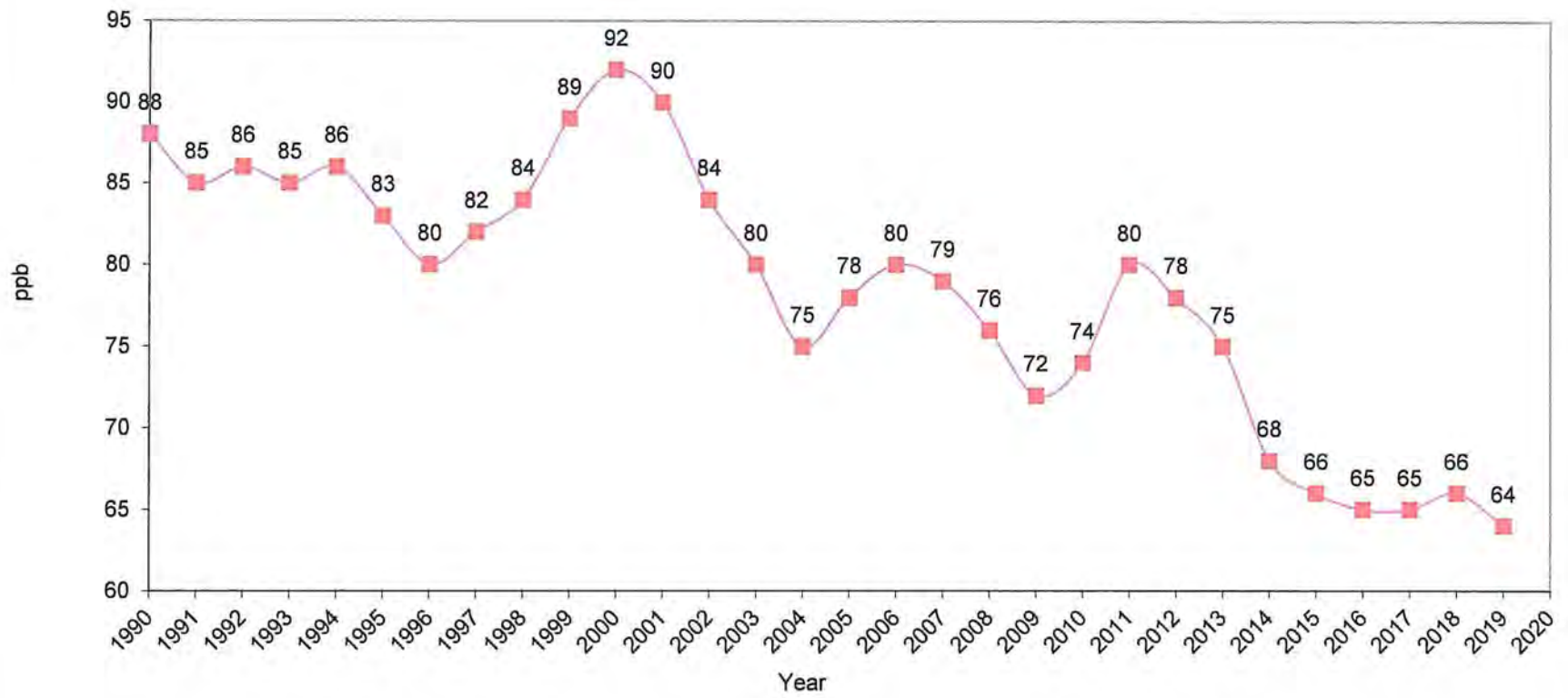
A handwritten signature in black ink, appearing to read 'Wes Wyche', with a stylized, cursive script.

Wes Wyche
Environmental Services Manager

attachments

cc: Hon. Adrian Perkins, Mayor of Shreveport
Vivian Aucoin, Louisiana Department of Environmental Quality
Hon. Lorenz Walker, Mayor of Bossier City
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



RESPONSIBLE PARTY	ACTION	START DATE	COMPLETION DATE	ANNUAL UPDATE
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 Participated with SPORTRAN in “Dump the Pump” event in June of 2019, for purpose of publicizing/promoting public transportation
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. One ozone action day was declared in the summer of 2018; none were declared in 2019
City of Shreveport	Update/Improve local Air Quality website (www.shreveportla.gov/254/Air-Quality)	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.	As of end of 2019, City now has 2 CNG bucket trucks, 8 CNG dump trucks, 2 CNG sweepers, 180 CNG SUVs and pickups.(an increase of 40 SUVs/pickups from end of 2017) City's new contract refuse hauler utilizes all CNG packers.
SPORTTRAN	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, 4 CNG shuttle buses, and 5 electric buses. Plans in place to acquire more electric buses. Now have 6 electric bus chargers installed and operating.
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 as of 2019. 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 as of 2018/19. 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.
Chesapeake Energy	Implementing various operational controls which reduce compression and other equipment operation time		Implemented as of 2012	Ongoing
SPORTTRAN, 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		Annually	Ongoing

Additional commitments since initial path forward letter:

RESPONSIBLE PARTY	ACTION	START DATE	COMPLETION DATE	LATEST ANNUAL UPDATE
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	Construction of gas collection system completed in fall of 2017. Construction of processing plant completed in 2018, with system going online. In 2019, added 38 well pumps to dewater the wells and increase gas collection efficiency.
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 (Note--this program has been phased out after 2019.)
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.

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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 was completed in 2019.
City of Shreveport	Bike Lane project	2017	Ongoing	<p>In 2017, bike lanes were implemented on three major thoroughfares connecting commercial districts with residential areas.</p> <p>In 2018, bike lane projects were completed for 8 additional major thoroughfares in key areas, linking downtown with other key residential areas.</p>
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, retrofitting of airfield 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. Project remains ongoing.
Benteler Steel	Various activities	2018 - 2019	Ongoing	<p>Began replacing fluorescent lighting with LED throughout the mill</p> <p>Implemented policy of operating lower temperature levels in steel furnaces when not in production</p> <p>Retained outside company to perform emission tests on furnace stacks to ensure efficient operation</p>
Caddo Parish Commission	Energy efficiency projects	2018 - 2019	Ongoing	Implemented policy to replace all lights and HVAC in parish buildings with more energy efficient equipment, as such equipment is replaced