



SCOTT A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

MARY FALLIN
Governor

June 2, 2014

Ozone Advance
Laura Bunte, Mail Code C304-01
U.S. EPA, OAQPS
109 TW Alexander Drive
Research Triangle Park, NC 27711

Dear Ms. Bunte,

The Oklahoma Department of Environmental Quality (DEQ), Air Quality Division, in collaboration with the Association of Central Oklahoma Governments (ACOG) hereby submits the Oklahoma City Metropolitan area 2014 update to our Ozone Advance program. This is a "living" document and will continue to be updated as programs are added or evolve. Central Oklahoma has participated in EPA's Ozone Advance program since May 30, 2012. The enclosed list of Ozone Advance initiatives and ongoing programs provides status updates to many of the programs listed in the 2013 submittal, along with several new programs that have begun.

The ground-level ozone reduction programs include a mix of voluntary and mandatory measures that we feel will aid our continued progress toward providing for improved air quality.

Also enclosed is a chart showing the 2011-2013 Ozone Trends for Central Oklahoma. Additionally, the chart provides details regarding monitoring sites in Oklahoma.

We look forward to continued participation in the Ozone Advance program.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Terrill".

Eddie Terrill
Division Director
Air Quality Division

cc: Carrie Paige, EPA
John G. Johnson, ACOG

Enclosures

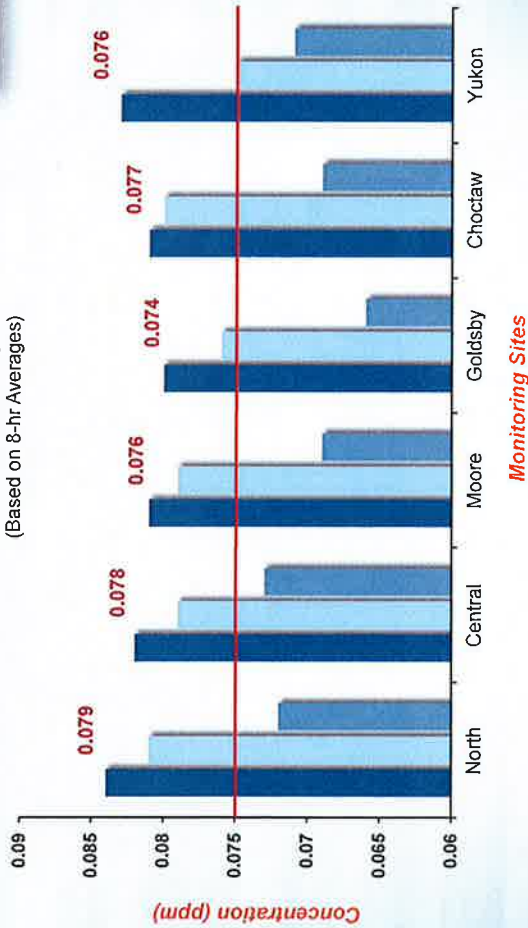


2011-2013

Ozone Trends for Central Oklahoma



2011-2013 Annual 4th Highs for Ozone
(Based on 8-hr Averages)



*To attain this standard, the 3-year average of the annual fourth-highest daily maximum 8-hour average ozone concentrations measured at each monitor within an area over each year must not exceed 0.075 ppm (effective May 27, 2008).

Central Oklahoma experienced higher than normal ozone concentrations during the exceptionally hot summer of 2011, but as summer temperatures have normalized in 2012 and 2013, ozone concentrations have shown marked improvement.



Moore



Goldsbey



Central



Yukon



Choctaw



North

Ambient concentrations of ozone (O₃) are continuously monitored at six locations in central Oklahoma. Monitored values are posted hourly on the Air Quality Division web site.

View today's values:

www.deq.state.ok.us/aqdnw/monitoring/airvision/o3_okc.PDF

View yesterday's values:

www.deq.state.ok.us/aqdnw/monitoring/airvision/o3_okc_YDY.PDF



Statewide Supported Ozone Advance Emission Reduction Projects - Oklahoma City MSA

Progress Report 6-1-13 through 5-31-14

Emission Reduction Projects	Entity	Status	Description	Schedule/Completion Dates
CNG Fleet Addition	DEQ	Planned	ODEQ will be replacing up to 12 gasoline fueled vehicles with CNG fueled vehicles on a rolling basis. These will be distributed around the state with at least 4 located in Oklahoma City. 2014 update: Fleet currently includes 2 CNG vehicles.	Continuous
Energy Efficiency Rule revisions for NOx emission limits	DEQ	Planned	DEQ is currently reviewing OAC 252:100-33, Control of Emission of Nitrogen Oxides, to determine the feasibility of switching from an input-based emission standard to an output-based emission standard for nitrogen oxides (NOx). This measure will provide facilities more technological options for compliance with emission limits and will encourage the use of more efficient processes and equipment. 2014 update: Project is on hold pending EPA announcement and promulgation of 111d regulations.	October 2013 - Present
Enhanced Air Quality Health Advisory	DEQ	Planned	The Department of Environmental Quality currently issues a health advisory alert on days when concentrations of air pollutants, such as ozone, are expected or are exceeding the national ambient air quality standards	Continuous
Lawn mower Exchange Program	DEQ	Ongoing	Citizens of the Oklahoma City MSA can exchange their old gas powered lawn mower for a cash waiver toward the purchase of a new electric lawn mower. During the 2013 ozone season the division is offering 100 vouchers, each worth \$100 with plans to continue and possibly expand this program further in subsequent years. 2014 update: 97 gas powered mowers were traded in for recycling in 2013, and 80 new electric mowers were purchased with vouchers. Another exchange is planned for the 2014 Ozone season. Emissions reductions estimated to be approximately 66lbs of NOx, 50lbs of PM, 18,158lbs of CO and 2715lbs of HC.	2013 - Ongoing
Oil & Gas Permit By Rule	DEQ	Planned	ODEQ is in the process of updating its permitting rules to include an Oil and Gas permit by rule (O&NG PBR). The main purpose of this rule is to streamline the permitting process for these numerous small sources and reduce associated permitting fees; however, this measure will also provide better emissions data about the oil and natural gas sector which could be used to develop future control strategies	October 2012 - Present

Statewide Supported Ozone Advance Emission Reduction Projects - Oklahoma City MSA

Progress Report 6-1-13 through 5-31-14

Emission Reduction Projects	Entity	Status	Description	Schedule/Completion Dates
Open Burning Rule	DEQ	Planned	This rule is expected to reduce PM, VOC and NOx emissions within the Oklahoma City and Tulsa Metropolitan Statistical Areas (MSAs) by requiring the use of an air curtain incinerator in place of open burning. This will significantly reduce the amount of ozone precursors generated by the burning of wood waste, with an approximate 90% reduction in total air pollutants. Additionally, this rule will prohibit open burning of waste in areas for which an ozone or PM Alert is in effect. 2014 update: DEQ has performed some outreach to the fire departments in the OKC and Tulsa Metropolitan areas to explain the rule. These fire departments are now assisting in enforcement of this rule, and as a result, many land clearing operations that would have just piled and burned in years past are either using an ACI, chipping, or having the waste removed from their property.	Effective July 2013
Weather Festival	DEQ	Ongoing	The annual weather festival showcases the many weather related organizations and activities in central Oklahoma. This event features weather balloon launches, storm research vehicle displays, children's activities, amateur radio demonstrations and weather related information and products. The Air Quality Division is responsible for presentation space showcasing the division's programs and the air quality themed children's activity room.	2008 - Present
Voluntary Implementation of Control Measures	DEQ Industry Participants	Planned	The Department is partnering with stakeholders from the oil and natural gas sector to establish a voluntary air emissions reduction program for the Canadian County area. This includes the option for companies to implement EPA's NSPS Subpart OOOO tank control measures ahead of the required federal schedule. Expected to provide significant emission reductions with little additional cost to industry.	January 2013 - Present
ScienceFest	DEQ OGE Energy Corp OK Department of Commerce Oklahoma Secretary of the Environment Association of Central Oklahoma Governments	Ongoing	This annual community education event brings 4000-5000 grade school students to the Oklahoma City Zoo every April for a day of hands on learning. Participating sponsors provide educational activities that focus on the environment, conserving natural resources, and using alternative fuels and technologies.	2000 - Present

Statewide Supported Ozone Emission Reduction Projects - Oklahoma City MSA

Progress Report 6-1-13 through 5-31-14

Emission Reduction Projects	Entity	Status	Description	Schedule/Completion Dates
CNG Fleet Addition	Oklahoma Department of Transportation (ODOT) / Oklahoma Turnpike Authority (OTA)	In Progress	The Oklahoma Department of Transportation has added 160 CNG vehicles to its fleet since October 2012, and will be replacing approximately 90 percent of the ODOT and the Oklahoma Turnpike Authority fleet with CNG fueled vehicles within the next three years. ODOT and the OTA will be replacing approximately 90 percent of their fleet with CNG fueled vehicles. 2014 Update: • In Spring 2014, ODOT purchased 295 CNG vehicles- 265 half-ton Ford 150 trucks, 16 one-ton Dodge Ram trucks and 4 Honda Civics • ODOT plans to save more money and further reduce carbon emissions by replacing more of the high-mileage cars and trucks in its 1,085 vehicle fleet with CNG vehicles in the future. Could potentially save \$20,000 over the useful life of each vehicle.	2013-2016
Rebate for CNG Vehicles and Home Fueling products	Oklahoma Natural Gas	Ongoing	Currently offering rebates of \$1,000 for the purchase of a dedicated CNG vehicle, \$500 for the purchase of a bi-fueled vehicle and \$1,000 for the purchase of a residential home-fueling system. The program is expected to continue, with no set cut-off or termination date. 2014 update: in 2013, ONG processed 431 NGV rebates, 370 bi-fuel NGV rebates, and 37 home refueling rebates.	Continuous
Alternative Fuel Vehicle (AFV) Tax Credit	State of Oklahoma	Ongoing	For tax years beginning before January 1, 2015, a one-time income tax credit is available for 50% of the incremental cost of a new AFV or converting a vehicle to operate on an alternative fuel. The state also provides a tax credit for 10% of the total vehicle cost, up to \$1,500, if the incremental cost of a new AFV cannot be determined or when an AFV is resold, as long as a tax credit has not been previously taken on the vehicle. Equipment used for conversions must be new. The alternative fuels eligible for the credit are compressed natural gas, liquefied natural gas, hydrogen, and liquefied petroleum gas (propane). Tax credits may be carried forward for up to five years. (68 O.S. §2357.22)	1990-Present
Alternative Fueling Infrastructure Tax Credit	State of Oklahoma	Ongoing	For tax years beginning before January 1, 2015, a tax credit is available for up to 75% of the cost of alternative fueling infrastructure. Eligible alternative fuels include CNG, liquefied natural gas, liquefied petroleum gas (propane), hydrogen, and electricity. The infrastructure must be new. A tax credit is also available for up to 50% of the cost of installing a residential CNG fueling system, for up to \$2,500. The tax credit may be carried forward for up to five years. (68 O.S. §2357.22)	1990-Present
Oklahoma First Energy Plan	State of Oklahoma	Ongoing	Oklahoma First Energy Plan lays out policy guidance for a diverse energy portfolio that includes energy efficiency and encourages efficiency technologies such as CHP and geothermal. This plan is in line with the Oklahoma Energy Security Act's target of 15% statewide renewable energy use by 2015.	Present - 2015

Central Oklahoma Ozone Advance Program
5/31/14 Annual Progress Report

Statewide Supported Ozone Advance Emission Reduction Projects - Oklahoma City MSA

Progress Report 6-1-13 through 5-31-14

Emission Reduction Projects	Entity	Status	Description	Schedule/Completion Dates
Oklahoma State Facilities Energy Conservation Program	State of Oklahoma	Ongoing	During the 2012 legislative session, Oklahoma lawmakers passed SB 1096, which created a conservation program. The law includes a provision that sets forth a goal to target a cumulative energy savings of not less than 20% by the year 2020, when compared with 2012 utility expenditures (ZTA O.S., §3-4-106.1)	2012-onward
Oklahoma State Mandated Energy Efficiency Requirements	State of Oklahoma	Ongoing	61 O.S. § 213. Enacted 6/3/2008, requires the state to develop a high-performance building certification program for state construction and renovation projects; program must meet the certification guidelines of either the LEED system or the Green Globes rating system. The requirement applies to new construction or substantial renovation projects that begin the design phase after July 1, 2008 in buildings larger than 10,000 square feet. "Substantial renovations" is defined as projects that cost in excess of 50% of the value of the facility. In order to be considered a "state project" for purposes of the requirements, state funds or state-insured funds must constitute at least 50% of the project cost. State agencies are directed to meet the highest level of certification attainable under a payback period of 5 years or less. Public schools (K-12) and state archive buildings are exempted from the requirements. 2014 update: Legislation is still in effect.	2009 - Present
Private Alternative Fuel Vehicle (AFV) Loans	State of Oklahoma	Ongoing	Private loan program with a 3% interest rate for the cost of converting private fleets to operate on alternative fuels, for the cost of purchasing an original equipment manufacturer AFV, and for the installation of AFV fueling infrastructure. Maximum repayment six-years.	1990-Present
The Oklahoma Energy Security Act	State of Oklahoma	Ongoing	Established state wide goals for alternative and domestically produced energy, including: 15% of energy from renewables by 2015, and CNG fueling stations every 100 miles by 2015 and every 50 miles by 2025.	Present - 2025

Locally Sponsored Ozone Advance Emission Reduction Projects - Oklahoma City MSA

Progress Report 6-1-13 through 5-31-14

Emission Reduction Projects	Entity	Status	Description	Schedule/Completion Dates
Air Quality Awareness Grants	ACOG	Ongoing	City, county and tribal governments along with public schools, public school districts and public universities are eligible to receive awards totaling a minimum of \$75,000 in CMAQ funds for small infrastructure projects and public education programs that assist in the reduction of single-occupancy trips and/or ozone-forming emissions.	April 2014 - Continuous
Bike to Work Day	ACOG	Ongoing	Every year, the third Friday of May is designated as Bike to Work Day and communities throughout Central Oklahoma participate by holding group bicycle rides and events. In 2013, the cities of Oklahoma City, Guthrie, Midwest City, Moore, Norman, Yukon and Edmond all participated; in 2014, Norman, Yukon, Moore, Midwest City, Edmond, Piedmont, Oklahoma City and Guthrie are all participating with bike-related events throughout the month of May.	2005 - Continuous
Central Oklahoma Commuter Corridors Study (CentralOKgo)	ACOG	In Progress	Following up on recommendations from the 2005 Regional Fixed Guideway Study, CentralOKgo is the next step in the federal planning process for evaluating the feasibility of a regional transit system. This study will provide more in-depth analysis and information concerning an alignment, technology, ridership forecasts, estimated costs, and potential funding sources for each corridor.	2013-2014
GetAroundOK.com	ACOG	Ongoing	Encourages the use of alternative transit by providing information on carpooling, public transit and other means of green transportation. Users can log their green transportation use and search for carpools in their area. 2014 Update: To date, 13,862 commutes have been logged throughout the region, resulting in the reduction of 5,921 trips and reducing fuel use by 12.2K gallons.	2012- Continuous
Ozone Alert Day Notifications	ACOG	Ongoing	Email notifications of Ozone Alert Day declarations in Central Oklahoma are serviced to elected officials, policymakers and members of the public via email. 2014 Update: In 2013, three Ozone Alert Days were declared; notifications were sent to a total of 1,313 recipients with an average open rate of 26% and an average click-through rate of 8%. Linked content included information on public transit throughout Central Oklahoma, information on the health impacts of ground-level ozone and a link to the Oklahoma Department of Transportation online camera-based traffic monitoring system.	Continuous
Social Media Public Outreach	ACOG	Ongoing	Central Oklahoma's MPO utilizes Facebook and Twitter to keep members of the public updated on air quality and air quality-related issues throughout the region, state, country and world. 2014 Update: Facebook metrics state a total of 4,098 people have been reached since May of 2013.	2009 - Continuous
Transportation Alternatives Program	ACOG	Ongoing	Approximately \$2.8 million will be administered to bicycle and pedestrian infrastructure projects throughout the Central Oklahoma region as part of MAP-21 through TAP. Eligible projects include on-road and off-road trails, safe routes for non-drivers, rails-to-trails conversions and Safe Routes to Schools projects.	April 2014 - Continuous

Locally Sponsored Ozone Advance Emission Reduction Projects - Oklahoma City MSA

Progress Report 6-1-13 through 5-31-14

Emission Reduction Projects	Entity	Status	Description	Schedule/Completion Dates
Transportation Systems Management (TSM) Projects	ACOG	Ongoing	Emission reduction strategy that may include: intersection improvement projects, signal improvements, signal coordination efforts, Intelligent Transportation System (ITS) enhancements and bicycle and pedestrian facilities. Reduces transportation-related emissions by improving traffic flow and reducing congestion throughout the region.	Continuous
Walk to School Day, Bike to School Day	ACOG	Ongoing	These annual events offer schools the opportunity to promote the safe passage of students to school in an effort to encourage active transportation and a reduction in ozone-forming emissions that can form due to long, idling child pickup and drop-off lines. Thus far, 10 schools in Central Oklahoma have participated in these events in a total of seven Central Oklahoma communities.	Continuous
Open Streets OKC	ACOG, Oklahoma City-County Health Department	Ongoing	Almost a mile of NW 23rd Street was closed off to vehicular traffic on Sunday, March 30th to hold Oklahoma City's first Open Streets event. The event, intended to promote active transportation and the relationship between mode choice and public health, drew more than 20,000 people from across the region for a four hour period with more than 70 businesses and organizations participating all along the route. The event earned significant media coverage and calls for more walkable development, biking infrastructure and accessible, quality transit through Oklahoma City. The event is planned to now occur twice a year beginning in 2015	Continuous
Clean Fuel Use	Central Oklahoma Clean Cities	Ongoing	The Central Oklahoma Clean Cities 2013 annual survey of stakeholder fleets showed a reduction of 2,969,766 GGEs of petroleum fuel used. The survey indicated that 98% of the recorded petroleum reduction can be attributed to alternative fuel vehicles. The remaining two percent can be attributed to alternative fuel use in off-road vehicles and to idle reduction policies undertaken by our stakeholder fleets. Central Oklahoma stakeholder fleets accounted for 5635 on-road vehicles operating on alternative fuels including 3,679 vehicles using compressed natural gas (CNG), one vehicle using liquefied propane gas (LPG), 711 vehicles using 85 percent ethanol (E85), 1,241 using 20 percent biodiesel (B20), and three highway speed, advanced battery technology, plug-in electric vehicles.	1996 - Continuous
Downtown Trolley replacement - Downtown Discovery	Central Oklahoma Transportation and Parking Authority	Complete	Recently replaced the 13-year-old downtown trolley fleet servicing Downtown Oklahoma City with 6 new 30-foot buses. Oklahoma City EMBARK provides free bus service to downtown visitors, workers and residents with its Downtown Discovery route. Aimed at reducing congestion and mitigating parking demand in the downtown area, the Downtown Discovery is designed to provide easy access to the Bricktown entertainment district, Boathouse District, Central Business District, and the Arts District.	January 2013

Locally Sponsored Ozone Advance Emission Reduction Projects - Oklahoma City MSA

Progress Report 6-1-13 through 5-31-14

Emission Reduction Projects	Entity	Status	Description	Schedule/Completion Dates
EMBARK - 3rd Friday free during ozone season	Central Oklahoma Transportation and Parking Authority	Ongoing	Oklahoma City EMBARK provides free fixed-route bus service on the third Friday of each month from April-September. The program includes express commuter routes operating to and from Norman. Since the program first started, each year outperforms the previous and beats the average daily ridership for that fiscal year.	Continuous
Alternative fuels use	City of Edmond	Ongoing	The City approved Resolution 02-06, directing the City Manager to pursue plans supporting the utilization of plug-in hybrid electric vehicles. The City has utilized E85 and B20 blends for the past several years, but now is focused on pursuing other options for alternative fuels, such as LPG. Currently, for the bus fleet, 3 buses are CNG, 5 are LPG, and 4 run on ULSD. One Edmond Electric utility truck has been converted to a PHEV, which runs on electrical power provided by wind. A propane fueling station was also installed at Vehicle Maintenance in 2013.	Continuous
Bicycle Master Plan & Alternative Transportation	City of Edmond	Ongoing	The Bicycle Master Plan, completed in 2012, defines a network of trails and on-street bicycle/pedestrian corridors to promote bicycling as a viable form of transportation throughout the City. This enhances the 1999 Edmond Trails and Sidewalk Master Plan to include on-street bicycle facilities. In 2013, 2 miles of bike lanes were completed around the University of Central Oklahoma. Sidepaths along the arterials Covell Rd and Kelly Rd were also completed, totaling approximately 6 miles. Arcadia Lake Coalition: A Public/Private partnership has been formed with the goal of creating a bicycle/pedestrian trail around Arcadia Lake. Spring Creek Trail: This will be a new trail that will go from the East side of I-35, under the highway, and along Spring Creek to Spring Creek Park at Arcadia Lake. Fox Lake Trail: The Fox Lake Trail will go from 15th and I-35, behind the new Wal-Mart, to Fox Lake Ln, where there is a planned Wellness Park and head to the Spring Creek Trail.	Continuous
City Facility Rehabilitation II Facility Maintenance	City of Edmond	In Progress	Among improvements that will be made are white roofs, LED lighting, and more energy efficient HVACs. Three buildings will be receiving white roofs this year. They are Mobile Meals, the Downtown Community Center, and the Historical Museum. Four buildings will be receiving LED lighting. They are Mobile Meals, the Historical Museum, Kickingbird Golf Club, and one Zone at the Crosstimbers Municipal Complex. The new Edmond Downtown Health Clinic will also have LED lighting when it is built. Four buildings will be receiving more energy efficient HVACs this year. They are Fire Stations 1, 2, and 3, and the Downtown Community Center. The Downtown Community Center will require 8 units.	2015
Decrease Idling Time	City of Edmond	Ongoing	Meet with staff about the expense of excessive idling.	Continuous
Energy Benchmarking Planning	City of Edmond	In Progress	Benchmarking and Analysis of energy use in City facilities	Continuous

Central Oklahoma Ozone Advance Program
5/31/14 Annual Progress Report

Locally Sponsored Ozone Advance Emission Reduction Projects - Oklahoma City MSA

Progress Report 6-1-13 through 5-31-14

Emission Reduction Projects	Entity	Status	Description	Schedule/Completion Dates
Energy Management Systems Facility Maintenance	City of Edmond	In Progress	Energy Management Systems are a combination of building management and advanced software solutions to assist managing building functions in a more energy efficient way, and to provide demand response controls when situations within the power grid demand it. In 2005 these systems were installed for the CrossTimbers Municipal Complex, Animal Welfare, and Fire Station V. In 2008 this system was installed for the Edmond Historical Museum. Again in May and June, 2011, through the EECBG, eleven additional facilities had these systems installed for HVAC and lighting controls. On the newer installations the average savings have been around 23%.	Continuous
Equipment Replacements and Retrofits	City of Edmond	Future	To provide HVAC equipment in buildings that have older, less efficient, heating equipment and no cooling equipment. Installation of LED lighting at all new Water/Wastewater Facilities. To provide for the most efficient use of electric power when operating bedrock groundwater wells by designing pumps and motors specific to each well site's water pumping volumes thus reducing electric power cost.	TBD
Geothermal Installation	City of Edmond	Complete	The new Mitch Park YMCA and Edmond Public Schools Competitive Pool has installed 300 geothermal wells, and is expected to save an estimated 50% on energy operating costs. The new Public Safety Center, which will house the Edmond Police Department, Public Safety Communications, and Emergency Management functions, is having 140 geothermal wells installed, which is expected to save \$12K - \$15K per year in heating and cooling.	2014 - 2015
Green Power Community Designation	City of Edmond	Ongoing	The City of Edmond became the first municipality in Oklahoma to receive Green Power Community designation from the Environmental Protection Agency through their use of renewable energy. With overall use of more than 96 million kilowatt-hours of green power per year, close to 75% of the City of Edmond's facilities are powered by wind energy technology and 11% of residents and businesses in Edmond opt to use green power as a portion of their electricity via the Oklahoma Municipal Power Authority. Geothermal energy is utilized to power a new YMCA facility as well as a forthcoming, 70,000 square foot public safety center. These forms of energy reduce the use of power generated from point sources of emissions	February 2014
ITS Engineering	City of Edmond	In Progress	Intelligent Transportation Systems are being installed at signalized intersections. This is a phased project and will be completed as funding becomes available. ITS should facilitate the management of traffic during congested periods, allowing better mobility and resulting in less idle time.	TBD

Locally Sponsored Ozone Advance Emission Reduction Projects - Oklahoma City MSA

Progress Report 6-1-13 through 5-31-14

Emission Reduction Projects	Entity	Status	Description	Schedule/Completion Dates
Open Streets Edmond	City of Edmond	Ongoing	On November 3rd, 2013, the City of Edmond held Oklahoma's first Open Streets event, closing off a stretch of University Drive near the University of Central Oklahoma campus to celebrate the opening of Edmond's first bike lane. From 2PM to 4PM University Drive was closed to vehicular traffic to allow for pedestrians and bicyclists to participate along with a series of activities and local vendors. The City of Edmond will now hold this event annually to help promote bicycling as a form of transportation	Continuous
Renewable Energy - Edmond Electric	City of Edmond	Ongoing	<p>Renewable Energy Program: Sale of the available wind power to Edmond Electric customers. Free residential and commercial energy audits for Edmond Electric customers.</p> <p>Customer Rebates and financing: Edmond Electric offers rebates to customers for the purchase of geothermal and energy efficient HVAC. Customers of Edmond Electric can finance the installation of a ground source loop to support a ground source heat pump system through Edmond Electric.</p> <p>Customer Outreach: Powerlines is an outreach newsletter on energy efficiency for key accounts.</p> <p>Equipment and operations: Utilize high efficiency transformers to reduce energy losses. Investigation of the cost and impact of converting electric and water use meters to electronic read and data capture systems. (AMR/AMI)</p>	Continuous
CNG and Alternative fuel use	City of Norman	Ongoing	The City of Norman operates 30 light-duty CNG pickups and sedans, and three heavy duty CNG refuse haulers. In 2012, the city installed both fast-fill and time-fill fueling facilities to serve its growing fleet of natural gas-powered vehicles. Norman also has an idle reduction policy currently applied to approximately 90 of its heavy duty vehicles that reduces engine idling by up to 90 minutes per day per vehicle and saves up to 0.75 gallons of fuel per day per vehicle	Continuous
CNG and Alternative fuel use	City of Oklahoma City	Ongoing	The City of Oklahoma City operates a fleet of 97 heavy duty and light duty natural gas vehicles, 18 hybrid vehicles including one hybrid-diesel transit bus, and 498 heavy duty diesel trucks fueled with B20. These advanced technology vehicles and alternative fuels were responsible for reducing petroleum consumption in the Oklahoma City fleet by 154,852 gasoline gallon equivalents in 2012.	Continuous
Embark – Ozone Season Free Public Transit	City of Oklahoma City	Ongoing	Beginning in April and running through September, Oklahoma City's transit provider, Embark, provides free public transportation the third Friday of every month in an effort to reduce ozone-forming emissions.	Continuous

Locally Sponsored Ozone Advance Emission Reduction Projects - Oklahoma City MSA
Progress Report 6-1-13 through 5-31-14

Emission Reduction Projects	Entity	Status	Description	Schedule/Completion Dates
Energy Efficiency and Conservation Strategy	City of Oklahoma City	Ongoing	<p>The City of Oklahoma City received a \$5,482,300 formula grant through the Department of Energy's Energy Efficiency and Conservation Block Grant program, to develop an EECS. Programs listed in strategy include: sustainability plan, energy audits and upgrades of city facilities, lighting and energy management system upgrades of city facilities, revolving loan fund for homeowners to make energy efficiency upgrades, downtown recycling receptacles, downtown and ward 4 drop-off recycling centers, compressed natural gas fast-fill fueling station, review and recommendations to increase energy efficiency standards in the city's building code and historic preservation guidelines, downtown bike-share program, and public outreach and education</p> <p>Using SEECBG funds through OK Dept. of Commerce, Oklahoma City is partnering with the Fire Dept. and General Services to retrofit outdoor lighting at Fire Stations. The City is expecting a 2-3 year payback on the total award of \$49,650 and \$25k savings annually when complete later this summer/early fall.</p>	April 2010 - Present
MAPS 3 Modern Streetcar	City of Oklahoma City	Planned	<p>\$130 million from Oklahoma City's MAPS 3 program has been designated for the construction of a rail-based streetcar serving the downtown vicinity. This will reduce downtown congestion and provide more public transport options for the citizens of Oklahoma City. Construction of five to six miles of track is anticipated; however the ultimate number of miles of track constructed will be determined by available construction dollars. The project will also include infrastructure to connect other rail-based systems and/or a multi-modal transit hub. The first phase of procurement/construction, scheduled to begin mid-2014, will complete an initial loop, a maintenance facility and other transit infrastructure as appropriate, such as connections to other rail-based systems and/or a transit hub. The second phase, scheduled to begin mid-2017, will complete as many additional route miles as the remaining available construction dollars allow.</p>	Beginning mid-2014

Locally Sponsored Ozone Advance Emission Reduction Projects - Oklahoma City MSA

Progress Report 6-1-13 through 5-31-14

Emission Reduction Projects	Entity	Status	Description	Schedule/Completion Dates
CNG and Alternative fuel use	Cleveland Area Rapid Transit (CART) - University of Oklahoma	Ongoing	The University of Oklahoma currently has 154 on-road vehicles fueled by alternative energy sources including 90 flex-fuel sedans and SUVs fueled with E85; 14 light-duty sedans fueled with CNG; 20 Cleveland Area Rapid Transit buses fueled with B20; 14 heavy-duty natural gas buses and shuttles fueled with CNG; 3 fuel-efficient hybrid-electric cars; and 13 low-speed electric vehicles. Additionally, the university operates a fleet of off-road electric utility carts and golf carts used on campus by mail delivery, maintenance and physical plant staff. 2014 Update: 22 buses fueled with B20; 15 heavy-duty natural gas buses fueled with CNG; CART continues to replace its biodiesel buses with CNG fueled vehicles. CART has ordered 6 CNG vehicles (4 paratransit and 2 fixed routes) that will replace 6 biodiesel vehicles. These vehicles are scheduled for delivery in late 2014 and mid-year 2015. In 2015, CART will operate 17 buses fueled with B20 and 21 heavy-duty natural gas buses fueled with CNG.	Continuous
Free fares on Ozone Alert Days	Cleveland Area Rapid Transit (CART) - University of Oklahoma	Ongoing	On Ozone Alert Days, CART provides free transportation on all fixed route and paratransit buses serving the University of Oklahoma and the City of Norman, excluding express commuter service to Oklahoma City.	Continuous
Home Energy Efficiency Program	OGE Energy Corp	Ongoing	Oklahoma Gas and Electric Company (OG&E) has the most widespread Smart Grid technology in the country, which offers variable pricing through their Smart Hours program. OG&E is introducing a new Home Energy Efficiency Program (HEEP) for spring 2013. This program provides free air conditioner tune-ups, duct inspection and repairs to all residential customers. Additionally some residential customers may qualify for a rebate on insulation installation. This program will provide free air conditioner tune-ups, duct inspection and repairs to all residential customers. Additionally some residential customers may qualify for a rebate on insulation installation. 2014 update: In 2013 7,679 A/C systems received this service saving 12,911,809 kWh.	Beginning in 2013 - Continuous
Promote Paperless Billing	OGE Energy Corp	Ongoing	Promote Paperless billing to reduce the number of electric bills that must be mailed. Customer Participation: 2012-36,882 and 2013-38,038	Continuous
Promote Weatherization for low-income customers	OGE Energy Corp	Ongoing	Improve the thermal efficiency of low income customers homes by adding insulation, installing CFL's and improving air infiltration. In 2013 2,045 Metro homes were weatherized saving customers 9,099,314 kWh.	Continuous
Environmental Protection Agency College and University Green Power Challenge	University of Central Oklahoma	Ongoing	For the fourth consecutive year, the Environmental Protection Agency ranked the University of Central Oklahoma (UCO) first among schools in the Mid-American Intercollegiate Athletics Association and 23rd among 33 collegiate conferences and 78 schools overall. UCO uses 26 million kilowatt-hours of wind power annually and has on-site biodiesel productions.	February 2014

Locally Sponsored Ozone Advance Emission Reduction Projects - Oklahoma City MSA

Progress Report 6-1-13 through 5-31-14

Emission Reduction Projects	Entity	Status	Description	Schedule/Completion Dates
CNG and Alternative fuel use	University of Oklahoma		<p>The University of Oklahoma currently has 154 on-road vehicles fueled by alternative energy sources including 90 flex-fuel sedans and SUVs fueled with E85; 14 light-duty sedans fueled with CNG; 20 Cleveland Area Rapid Transit buses fueled with B20; 14 heavy-duty natural gas buses and shuttles fueled with CNG; 3 fuel-efficient hybrid-electric cars; and 13 low-speed electric vehicles. Additionally, the university operates a fleet of off-road electric utility carts and golf carts used on campus by mail delivery, maintenance and physical plant staff.</p>	Continuous
OU Spirit Wind Farm	University of Oklahoma	Complete	<p>One hundred percent of the University of Oklahoma's Norman campus purchased electricity is renewable, as part of a 2008 agreement made with OG&E. Under the agreement, the per-kWh wind power premium OU pays to OG&E has substantially helped fund the 101 MW OU Spirit Wind Farm. The university has not seen a noticeable change in its electric bill since switching to renewables and expects the</p>	February 2013