AGENDA
AIR QUALITY ADVISORY COMMITTEE*
TUESDAY August 30, 2016
10:00 a.m. - 12:00 noon
East-West Gateway Board Room

I. **Call to Order**
-Carol Lawrence, Chair, East-West Gateway Council of Governments
A. Minutes of June 28, 2016 Meeting

II. **Green Cleaner Granite City Air Quality Program**
- Linda Aud, Granite City Cool Cities Committee/United Congregations of Metro East

III. **Draft Illinois Boundary Recommendations for the 2015 Ozone Standard**
- David Bloomberg, Illinois Environmental Protection Agency

IV. **Draft Missouri Boundary Recommendations for the 2015 Ozone Standard**
- Stacy Allen, Missouri Department of Natural Resources

V. **Update July 2016 Ameren/Sierra Club Court Case Settlement**
- Andy Knott, Sierra Club

VI. **American Fuel Group Report**
- St. Louis Regional Clean Cities Program

VII. **Update Activities of the States**
- Missouri Department of Natural Resources
- Illinois Environmental Protection Agency

VIII. **Other Business – Next Meeting Date October 25, 2016**

IX. **Adjournment**

*Please note that this meeting will serve as a part of the Inter-Agency Consultation Process as detailed in the Missouri Transportation Conformity SIP.

MINUTES
AIR QUALITY ADVISORY COMMITTEE
Tuesday, June 28, 2016
East-West Gateway Board Room

Members Present:
Carol Lawrence, Chair - East-West Gateway Council of Governments
Mike Henderson - Missouri Department of Transportation
Susannah Fuchs – American Lung Association
Betsy Tracy – Federal Highway Administration, Illinois
Jeremy Rogus – St. Louis County Department of Public Health
Brad McMahon – Federal Highway Administration, Missouri
Steve Schneider – Bi-State Development Agency/METRO
David Bloomberg – Illinois Environmental Protection Agency
Stacy Allen - Missouri Department of Natural Resources (telephone)

Others Present:
Curtis Jones - Illinois Department of Transportation, Office of Planning and Programming
Mike Alesandrini – AECOM
Kevin Herdler – St. Louis Regional Clean Cities Program
Kevin Jemison – Illinois Department of Transportation, District 8
Lisa Cagle – Citizens for Modern Transit
Erika Sparks – Citizens for Modern Transit
Deborah Bredehoft – U.S. Environmental Protection Agency Region 7 (telephone)
Andy Knott – Sierra Club (telephone)
David Grimes - Southeast Missouri Regional Planning and Economic Development Commission (telephone)
Eric Casper – Madison County Transit (telephone)

Staff:
Mary Grace Lewandowski Aaron Young Rodney Halbert

I. Call to Order
- Carol Lawrence, Chair, East-West Gateway Council of Governments

The meeting of the Air Quality Advisory Committee (AQAC) was called to order by Chair Carol Lawrence, East-West Gateway Council of Governments (EWG). Ms. Lawrence, EWG, said that Linda Aud was not able to be here today and has been rescheduled for the August meeting. The minutes of the March 29, 2016 AQAC meeting were approved as circulated.

II. Green Cities Challenge
- Aaron Young, East-West Gateway Council of Governments

Mr. Young, EWG, works with OneSTL, the regional plan for sustainability. The Green Business Challenge is a joint effort of the Missouri Botanical Garden's Earthways Center and the St. Louis Chamber to help local businesses operate in a more sustainable manner. Last year Mr.

Young asked if a similar effort for local governments could be conducted. The set-up of the Green Cities Challenge acknowledges that municipalities have different challenges as relates to sustainability and need for elected officials and staff consensus on this effort as well as approval of a budget allocation for the Challenge fee. A Green Cities Challenge scorecard listing sustainability options and approaches was developed. After a municipality decides to participate in the program, Jean Ponzi from the Missouri Botanical Garden does an initial site visit to review the scorecard and discuss different activities. There are a number of items/actions a municipality can take related to improving air quality including establishing a smoke-free policy for indoor facilities, establishing a no-idling policy, or developing a climate action plan. In 2015 the cities of Highland and Alton in Illinois and University City and St. Charles in Missouri participated in the Green Cities Challenge pilot program. The Madison County Planning Department covered the $295 fee for the Illinois municipalities. The St. Louis Chapter of the American Planning Association (APA) now offers a scholarship program to cover the cost for those cities, like University City and St. Charles, which have staff that are APA members. In July 2016 a new class of participants joined the Green Cities Challenge. The new class of 2016 participants includes Edwardsville, Granite City and Alton again in Illinois and Creve Coeur and Chesterfield in Missouri. For more information please contact Mr. Young.

Mr. Young distributed copies of the 2016 OneSTL report to the region. It reviewed performance indicators and highlighted what cities and non-profits are doing related to sustainability. Anyone who participated in the development of OneSTL: Regional Plan for Sustainable Development is being asked to join the OneSTL Network at www.onestl.org. The Network is designed to support and encourage collaboration among organizations working on strategies and there are Leadership, Funding, Communications, Technical Assistance and Evaluation sub-networks. In addition, working groups are being formed around a single sustainability topic (food, energy, green/gray/blue infrastructure, community development) so interested organizations can have an ongoing conversation. A regional Sustainability Summit is being planned for April 2017. The aim is to bring the groups together and have a conversation about where can collaborate across sectors and where can pool resources.

III. Draft Maintenance Plan for the Missouri Portion of the St. Louis Non-Attainment Area for the 2008 Ozone Standard
- Stacy Allen, Missouri Department of Natural Resources

Missouri's redesignation to attainment request and a Maintenance Plan for the 2008 eight-hour ozone standard for the Missouri portion of the St. Louis area will be in one document. The redesignation request is based on technical information and the Maintenance Plan shows how Missouri will continue to maintain air quality to continue to meet the 2008 standard. After they are approved by the Missouri Air Conservation Commission (MACC), they will be submitted to the U.S. Environmental Protection Agency (EPA) Region 7.

On June 20, the proposed 2030 motor vehicle emissions budgets to be used in Conformity Determinations were presented to the Inter Agency Consultation Group (IACG) for review and comment. The public comment period for the proposed redesignation request and Maintenance Plan began on June 27. The MACC will hold a public hearing at their July 28 meeting in Jefferson City. Both the IACG comment period and the public comment period end on August 4, 2016. MoDNR will respond to comments and revise, if necessary, the proposed document.

The MACC is to adopt the redesignation request and Maintenance Plan at their August 25 meetingto be held at the St. Louis Regional Office.

The proposed Maintenance Plan has sections on: monitoring; emissions inventory; legal authority, public participation and other State Implementation Plan (SIP) requirements; transportation conformity budgets; and contingency measures. The transportation conformity budget is a number that is to show that the area continues to meet the air quality goal of declining transportation-related emissions from 2014 (attainment year) to 2030 (end year for Maintenance Plan). To calculate the transportation conformity budget, point, area and mobile source emissions for 2014 and 2030 are estimated. The 2014 emissions estimate is subtracted from the 2030 emissions estimate in order to see how much emissions will decline over this time period (amount also known as safety margin). For volatile organic compounds (VOC) the safety margin was 78 tons per ozone season day and for oxides of nitrogen (NO_x) the safety margin was 135 tons per ozone season day. To develop the 2030 conformity budget for VOC and NO_x, eighty percent of the safety margin was then applied to the on-road mobile source emissions estimate for 2030. This time, the safety margin was reduced by a small amount due to banked emissions which may return in the future year (less than three tons). Based on the state emissions banking and trading rule, if a facility in St. Louis area has reduction in emissions through controls or by closure, these emissions could be banked for use at another time or to be sold to another facility. After discussions with the IACG, the following transportation-related assumptions were used to develop the budgets: vehicle miles traveled growth rate of 1.7 percent per year; Federal Highway Administration vehicle population growth rate; and vehicle age distribution was held constant over the time period. Should St. Louis area transportation projects need to use all of these emissions in 2030, this 2030 motor vehicle emission budgets (78.49 tons/day for VOC and 133.65 tons/day for NO_x), would still ensure a total emissions picture that is below 2014 emissions.

Level I and Level II contingency measures and process to be used if future violations of 2008 standard occur after redesignation are identified. First, if in a single year any monitor in Missouri or Illinois has a fourth highest eight-hour ozone average at 79 parts per billion (ppb) or greater, Missouri commits to analyze emissions and evaluate control measure strategies. The second level would take place if the design value (three year average of fourth highest eight-hour ozone average) was greater than 75 ppb. There would be a more rigorous analysis and appropriate actions taken.

IV. Ozone Redesignation Request for the Metro East for 2008 Ozone Standard
- David Bloomberg, Illinois Environmental Protection Agency

The Illinois Environmental Protection Agency (Illinois EPA) is also working on a redesignation to attainment request and a Maintenance Plan for the Illinois portion of the St. Louis non-attainment area for the 2008 ozone standard. The emissions estimates for the Metro East are smaller. The 2014 total emissions for NO_x are estimated to be about 27 tons/day and for volatile organic material (VOM) about 10 tons/day. Looking at 2030, the numbers drop to around seven tons/day for NO_x and less than four tons/day for VOM. Illinois EPA will be talking with Missouri Department of Natural Resources (MoDNR) about how they utilized the safety margin in the development of the conformity budgets, as Illinois may be looking at it differently. The use of the safety margin is to give extra room in the conformity determination

budget. Illinois is using a 50 percent safety margin on top of the estimated 2030 emissions. For the Metro East, the proposed 2030 NO x budget is estimated to be a little over ten tons/day and for VOC, the proposed budget would be a little over five tons/day. Illinois also is developing contingency measures and a process and schedule similar to what Missouri is doing. Analysis results will help determine what needs to be done such as identifying a new source causing problems or new regulations that can be passed or if there was a severe weather event (as in 2012).

The redesignation request and Maintenance Plan is expected to go on public notice within the next month. Illinois EPA will be working with EWG to present the proposed 2030 motor vehicle emissions budgets to the IACG for review and comment. The draft request and Plan will be available on the Illinois EPA website. Later this year a public hearing will be scheduled for the Metro East, probably at the Illinois Department of Transportation District office in Collinsville.

Ms. Lawrence, EWG, asked if the 2016 ozone season will have an impact on the development of the redesignation request. Mr. Bloomberg, Illinois EPA, said that if the 2008 standard was violated during 2016, EPA will take that into consideration. The fourth highest eight-hour average at certain monitors would need to be in the 80s and that is highly unlikely. Ms. Allen, MoDNR, said that MoDNR closely tracks what the fourth highest eight-hour ozone average would have to be at each monitor during the 2016 ozone season for there to be a violation of the 2008 standard (critical value) based on 2014-2016 data. If 2008 standard were to be violated, it could impact how EPA could act on the redesignation request. Mr. Bloomberg, Illinois EPA, added that the Chicago area redesignation request was shelved for because of a violation this year. He added that EPA's proposed Clean Data Determination for 2013-2015 ozone data was published in the June 27 Federal Register.

V. American Fuels Report
- Kevin Herdler, St. Louis Regional Clean Cities Program

Quarterly reports are being prepared and Clean Cities continues to work on grant opportunities. The Road to Tomorrow road trip to the Missouri Highway Commission meeting in Kansas City took place on June 7. Highway Commission member, Mary Nelson, was given a ride to the meeting. The group had two Tessla electric vehicles and a compressed natural gas-powered truck. There was a stop in Columbia for a photo op and to charge the Tesslas and refuel the truck. At Union Station in Kansas City an alternative fuel open house with vendors and a vehicle display was held which was well received by the Highway Commission and the general public. Continue to work on grant opportunities in order to promote American fuels and idle reduction.

Ms. Lawrence, EWG, asked about the May 2016 electric vehicle charging workshop held by the Missouri Public Service Commission (PSC). Mr. Herdler, Clean Cities, said that the PSC was interested in gathering information and how to apply rates to fast charging sites. He added that last week Ameren met with the PSC last week as they want to install seven DC fast charging stations along I-70 from St. Louis area to Boonville and they need to figure out what rate the PSC will allow them to charge. Mr. Knott, Sierra Club, said that the May PSC workshop was informative and that discussions continue. PSC staff should issue a report shortly.

VI. Update Activities of the States
- Stacy Allen, Missouri Department of Natural Resources
- David Bloomberg, Illinois Environmental Protection Agency

MoDNR is working on an update to 6.220 opacity (visibility) rule (making) to address some State Implementation Plan (SIP) concerns and is proposeing some changes to the Confidential Information Rule (6.210) to clarify some of procedures people/businesses need to follow to request confidentiality of specific information. There will be a public hearing on these proposed rules at the July 28 MACC meeting. At the end of May the Monitoring Network Plan went out for public comment. The comment period ends today. More information can be found at http://dnr.mo.gov/env/apcp/public-notices.htm .

On June 27, 2016, EPA made a direct final determination that based on 2013-2015 monitoring data the St. Louis area met the 2008 eight-hour ozone standard by the July 2016 attainment deadline.

MoDNR has been developing boundary recommendations (attainment, non-attainment, unclassifiable) based on the 2015 eight-hour ozone standard. These recommendations will go out for public comment on July 25, 2016. A public hearing will be held at the August 25 MACC meeting at the MoDNR St. Louis Regional Office. These recommendations should be adopted by the MACC at their September meeting and then submitted to EPA Region 7 in October.

EPA probably is going to release their boundary designations for the sulfur dioxide (SO_2) consent decree sources on June 30. MoDNR is developing a Jefferson County SO_2 maintenance plan which is to be submitted to EPA by the end of the year.

In addition to the ozone redesignation request for the Metro East, Illinois EPA is working on redesignation requests for the Chicago area and Granite City lead non-attainment areas. The requests will be published in the Illinois Register on July 1 with a one month comment period. The announcement will include a request for public hearing. Because of the lack of controversy, do not expect there will be a request for a public hearing. EPA has asked that the process be moved along. If there are any questions, contact Mr. Bloomberg or Brad Frost at Illinois EPA.

EPA's boundary designations for the SO_2 consent decree sources are to be finalized on June 30. In the Metro East no changes are anticipated but there were discussions between EPA and Illinois EPA about other sites. Illinois EPA is to submit to EPA the modeling protocol they plan to use for the SO_2 sources from the Data Requirements Rule.

Illinois EPA is working on the boundary recommendations for the 2015 eight-hour ozone standard. Illinois EPA generally will go out to the affected areas and make a presentation about the methodology used and discuss what is happening. The schedule is still to be determined. The St. Louis Metro East has already gone over the 2015 standard and Chicago has too.

Mr. Alesandrini, AECOM, asked if the current Illinois budget issues are causing Illinois EPA any problems operationally. Mr. Bloomberg, Illinois EPA, said that court decisions have ensured that employees get paid and that Illinois EPA does not receive any General Revenue

funds. However, that does not make Illinois EPA immune to the problem of not having a state budget. Without a budget, do not have allocations, so even if the money exists, it can't necessarily be spent.

VII. Other Business

Ms. Lawrence, EWG, reported that there have been 26 exceedances of the 2015 eight-hour ozone standard over nine days. So far there have been 19 days with temperatures of 90° or higher. Mr. Bloomberg, Illinois EPA, remarked that temperature is not everything as the Chicago area had an exceedance in April at a monitor on the Illinois/Wisconsin border which had not had an exceedance in 14 years. The temperature was in the 70s, it was sunny and no cloud cover. Last week the temperature was 100° and ozone levels were in the 40 parts per billions. He also pointed out that next weekend is the Fourth of July and that last year there were high PM values because of fireworks. Anticipate there will be high values as well this year. These are considered "exceptional" events. He advised that those with asthma or other sensitive groups to check out the Air Quality Index.

Ms. Lawrence, EWG, announced that the draft Conformity Determination and draft FY 2017-2020 Transportation Improvement Program (TIP) would be going out for public comment on July 1. The comment period ends August 10, 2016. From July 6 until July 27 there will be a series of open house meeting around the region. On July 26 there will be an on-line chat in cooperation with the St. Louis Post-Dispatch. The EWG Board will take action on the Conformity Determination and the TIP at their August 31 meeting.

Ms. Lewandowski, EWG, asked if the number of exceedances would negatively affect Gateway's Conformity Determination. Mr. Bloomberg, Illinois EPA, said that would need to have high values at West Alton monitor three or more days before 2008 standard would be violated.

Ms. Cagle, Citizens for Modern Transit (CMT), introduced Erica Sparks, as the new CMT program assistant. Starting in July, CMT is expanding the Try and Ride program to include the educational commute, focusing on colleges, universities and trade school. Try and Ride is a transit rider incentive program. It is partially funded through the Congestion Mitigation Air Quality (CMAQ) program. Over two years, 3,500 people in the St. Louis region have tried transit for their everyday work trips. The aim is to try to encourage people who would be driving alone or taking some other form of transportation for their school commute which would affect air quality, to commit to use transit three days a week for two months. CMT will pay for one month's transit fares, provide a personalized route and offer encouragement.

The next AQAC meeting date was set for August 30, 3016. There being no other business the meeting of the Air Quality Advisory Committee was adjourned.