AGENDA
AIR QUALITY ADVISORY COMMITTEE*
TUESDAY, June 25, 2019
10:00 a.m. – 12 noon
East-West Gateway Board Room

I. Call to Order
- Carol Lawrence, Chair, East-West Gateway Council of Governments
  A. Minutes of May 28, 2019 Meeting

II. Great Streets Initiative
- Paul Hubbard, East-West Gateway Council of Governments

III. St. Louis County Air Pollution Control Program Activities
- Kathrina Donegan, St. Louis County Department of Public Health
- Jeremy Rogus, St. Louis County Department of Public Health

IV. Missouri Volkswagen Program Update
- Stacy Allen, Missouri Department of Natural Resources

V. American Fuel Group Report
- Kevin Herdl, St. Louis Regional Clean Cities Program

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

VII. Other Business – Next Meeting Date August 27, 2019

VIII. 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.
Members Present:
Carol Lawrence, Chair – East-West Gateway Council of Governments
Susannah Fuchs – American Lung Association
Mallory Box – Citizens for Modern Transit
Mike Henderson – Missouri Department of Transportation
Stacy Allen – Missouri Department of Natural Resources (Telephone)
Chris Schmidt – Illinois Department of Transportation
Jeanine Arrighi – St. Louis Air Pollution Control Program
Jackie Covington – Bi-State Development
Jack Fishman – Saint Louis University
Betsy Tracy – Federal Highway Administration Illinois (Telephone)
David Bloomberg – Illinois Environmental Protection Agency (Telephone)
Steve Whitworth – Ameren (Telephone)

Others Present:
Kevin Herdler – St. Louis Clean Cities
Kevin Jemison – Illinois Department of Transportation
Tom Caldwell – Illinois Department of Transportation, Planning
Patrick Justis – Ameren Missouri

Staff:
Mary Grace Lewandowski Jennifer Vuitel Aaron Young Maureen McCarthy

1. 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). The minutes of the March 26, 2019 AQAC meeting were approved as circulated.

2. Ameren Missouri Charge Ahead Corridor Incentive Program
   - Pat Justis, Ameren

Today, almost every major car manufacturer is developing electric vehicles. Electric vehicles (EV) provide environmental benefits such as 50 percent less NOx emissions and reduced CO2 emissions. Economically, electric vehicles require less maintenance and charging them costs much less than gasoline. In addition, utilities can sell transportation related electricity during off-
peak times when the grid is underutilized. Another benefit of EVs is the user experience. They are more responsive, quiet, and provide a safer and healthier space for people.

The opportunity to receive funding from the Volkswagen settlement motivated several environmental groups and utilities to come together and develop a plan to expand electric vehicle infrastructure in Missouri. The EV collaborative put together a vision of a statewide network of fast charging stations in order for EV owners to travel safely and reliably throughout the state. Ameren developed a map of possible charging station locations based on traffic and city populations. Other criteria for a charging station location include: being near interstates or multilane highways, be within walking distance of amenities, and be about 25 to 75 miles apart. Interstates are priority 1 locations, multi-lane highways with more than 10,000 daily trips are priority 2, and multi-lane highways with less than 10,000 daily trips are priority 3.

This plan was presented to the Missouri Department of Natural Resources (MoDNR) and then there was an open comment period. MoDNR has dedicated $6 million from the Volkswagen Trust Beneficiary funding for corridor charging. How the funding will be distributed still needs to be decided. Three subgroups were formed to work on the charging project: the goals, roadmaps, and milestones group; strategies for procurement and deployment group; and the barriers and development group.

Ameren Missouri had filed the Charge Ahead EV Incentives Program with the Public Service Commission and the corridor portion was approved. Ameren has identified eleven proposed sites for charging stations in eastern Missouri. Ameren submitted a solicitation to the EV marketplace to advertise the Charge Ahead program. With the program, Ameren would be able to give each site up to $360,000 to develop charging stations with at least two fast charging ports and two level-two ports. Each of these charging stations would be owned and operated by a customer which would set the prices for the station. There will be agreement with the owners of these stations for a minimum of five years and maximum of ten years in order to keep these stations operating. The funding from Ameren would provide the owners of the stations everything they need to set up the stations.

3. **St. Louis Regional Clean Air Partnership 2019 Activities**
   - Susannah Fuchs, American Lung Association

The 2019 ozone season forecasting started at the beginning of May with the Clean Air Partnership’s media partner KMOV. In the mid 1990’s the Clean Air Partnership approached all of the local media stations and KMOV was the only station that agreed to work with the partnership and develop the forecast (green, yellow, orange, etc.). The goal of sharing air quality information through local media was to increase public awareness of emissions, pollution related to transportation, and the connections between air quality and public health.

Over the past several decades air quality has improved as air quality standards have gotten stricter. This year the Clean Air Partnership has been doing outreach to reduce idling in the region. They have also been working with school districts to educate families about air quality in
general. The American Lung Association has given presentations at schools and recently there was an electronic flier with air quality information sent out to schools in the metro area and many schools post that information on their websites. The partnership has also been reaching out to businesses that are participating in the Green Business Challenge to help them become more involved in improving air quality.

There was a discussion about various ways to reduce idling in the region. It was suggested that the Clean Air Partnership could reach out to Uber and Lyft to encourage their drivers to stop idling when picking up passengers. It was also mentioned that drivers for food delivery services such as Door Dash could be asked to not idle when they are delivering food. Ms. Fuchs said that addressing idling with food delivery services has been difficult, but the effort to get the message out is continuing. While there has been outreach at schools to educate kids and their families about air quality, the effort to stop idling when parents pick up their kids has not been completely successful. Ms. Fuchs has been working to get the no idling message out to schools by working with schools on an individual basis.

4. About Transportation Air Quality Conformity
   - Carol Lawrence, East-West Gateway Council of Governments
   - Maureen McCarthy, East-West Gateway Council of Governments

The purpose of air quality conformity is to make sure that transportation investment in the region is consistent with state goals to attain and maintain the National Ambient Air Quality Standards (NAAQS). Conformity applies in areas which have violated transportation-related NAAQS or areas that are in maintenance (have attained the standard). All of the projects in the Long Range Transportation Plan must be analyzed to determine conformity with the ozone and PM$_{2.5}$ standards. Any project that is not analyzed will not be allowed to move forward towards implementation. It is East-West Gateway’s responsibility as the region’s metropolitan planning organization to conduct the conformity determination with input from the Inter Agency Consultation Group (IACG).

In order to conduct the regional analysis a series of computer modeling exercises are performed to develop estimates of vehicle emissions from the planned transportation system over a series of analysis years. The MOtor Vehicle Emissions Simulation (MOVES) model will forecast emission estimates by using model inputs like population, employment, land use, and travel and congestion. Finally there will be post-processing of model outputs to prepare the emissions estimates.

One regional analysis test used is the ozone budget test. In order to pass, for each selected analysis year, the estimated emissions for the planned transportation system must be lower that the vehicle emission budget(s) set by Missouri and Illinois in their respective State Implementation Plans (SIP). The other regional analysis test is the PM$_{2.5}$ interim test for the Illinois counties and Baldwin Township. In order to pass the interim test, the annual estimated
emissions from the planned transportation system must be lower than the 2002 baseline emissions.

Currently conformity regional emissions analysis is being done for the 2008 and 2015 eight-hour ozone standards in the East-West Gateway region. One conformity is conducted for all of the counties in the region, which have been redesignated by EPA from non-attainment to maintenance of the 2008 eight-hour ozone standard. The second conformity is for the 2015 eight-hour ozone standard. The non-attainment area affected by this regional emissions analysis includes: St. Charles and St. Louis Counties, the City of St. Louis and Boles Township in Franklin County in Missouri; and Madison and St. Clair Counties in Illinois. All of the emissions budgets are set by the states and are from SIPs. The EPA has to find the budgets adequate for use in conformity or approve the SIP they are in. The tables containing the budgets can be found in the May 2019 Air Quality Advisory Committee conformity presentation on the East-West Gateway website.

The Illinois counties of Madison, Monroe, St. Clair, and Baldwin Township in Randolph County were designated by the EPA as being in non-attainment of the 1997 annual PM$_{2.5}$ standard and a regional emissions analysis was performed. During this part of the meeting the Illinois Environmental Protection Agency (Illinois EPA) announced that the EPA just redesignated all of the Illinois counties in the region as being in attainment for the 1997 PM$_{2.5}$ standard (now considered a maintenance area for this standard).

In February 2018 the U.S. District Court of Appeals for D.C. Circuit struck down portions of the EPA’s 2008 ozone standard SIP requirements rule and upheld EPA’s March 2015 revocation of the 1997 ozone standard in the case of South Coast Air Quality Management District vs. EPA. Areas affected by this decision are called “orphan” areas. These areas were in maintenance or non-attainment for the 1997 ozone standard but were found by EPA to be in attainment of the 2008 ozone standard in 2012. Starting in February 2019, regionally significant projects in orphan areas are required to have a conformity performed based on the 1997 ozone standard.

Jersey County, IL was designated as a partial orphan area in 2018. This county sits just outside of the East-West Gateway region but East-West Gateway is conducting the conformity for that area. The Illinois Department of Transportation (IDOT) will provide East-West Gateway with information on new capacity-adding projects in Jersey County. The Federal Highway Administration (FHWA) created a template that MPOs that are conducting conformities for orphan areas can review. The one project in Jersey County that is being included in the conformity determination process is the U.S. Route 67 Delhi Bypass. For this project the inter agency and public consultation have occurred, IDOT has shown that it has fiscal constraint, and conformity with the 1997 standard has been demonstrated.

At this point East-West Gateway is in the documentation and comment period for the conformity determination for the Update to Connected2045: Long Range Transportation Plan for the St. Louis Region which involves documenting the process and the findings. A public comment
period started on May 8, 2019 and will end on June 7, 2019, as well as open houses on May 13 and May 20. Comments must be submitted or postmarked by June 7, 2019. The East-West Gateway Board will act on the conformity at the June 26, 2019 meeting and then it will be submitted to FHWA Missouri for concurrence with the findings.

5. **Update Activities of the States**
   - Stacy Allen, Missouri Department of Natural Resources (MoDNR)

The next Missouri Air Conservation Commission meeting is on May 30, 2019 at 9:00 am. At the meeting there will be a public hearing for an amendment to 10 CSR 10-6.030 Sampling Methods for Air Pollution Sources. Also on the agenda is asking the commission to adopt the State Implementation Plan revision for the provision for the 2015 ozone standard.

There will not be a June Air Conservation Commission meeting, but there will be one on July 25 at the MoDNR St. Louis Regional Office. At the July 25 meeting there will be two public hearings about St. Louis specific rules. The first rule is 5.442 Controlled Emissions from Lithographic and Letterpress Printing and the second is 10 CSR 10-5.550 Control of Volatile Organic Compound Emissions From Reactor Processes and Distillation Operations Processes in the Synthetic Organic Chemical Manufacturing Industry.

In Missouri the Infrastructure SIP and Transportation SIP are done separately. The Infrastructure SIP for the 2015 ozone standard and the public hearings for the interstate transport assessment were sent to EPA in April. MoDNR is hoping to have it approved soon.

On May 16 the EPA proposed to redesignate the Missouri portion of the St. Louis region from unclassifiable to unclassifiable/attainment for the 2012 PM\textsubscript{2.5} standard. Comments on that proposal are due by June 17, 2019.

The Missouri Volkswagen Advisory Committee meeting will also be taking place on May 30 at 1:30 pm in Jefferson City. More information about this meeting can be found at www.dnr.mo.gov. This meeting will cover what has happened so far in fiscal year 2019, and what the plans are for the coming year. MoDNR is currently asking for comments on the implementation guidelines and the categories that were not finalized in the past but now are open to funding. MoDNR has received their appropriation of $13 million for the next year and are able to be used starting July 1, 2019. In the next several months MoDNR is looking to wrap up most of the bus and truck replacements.

   - David Bloomberg, Illinois Environmental Protection Agency

As of May 28, 2019 the Illinois Counties in the region have been found in attainment for the 1997 annual PM\textsubscript{2.5} standard. The second maintenance plan for the 1997 eight-hour ozone standard for Jersey County is under development. It is due to EPA Region 5 next year. EPA Region 5 is currently reviewing a draft of this document. The Monitor Network Draft Plan is out
on public notice. The redesignation to attainment requests for the Lamont and Pekin SO₂ non-
attainment areas have been submitted to EPA Region 5. Also submitted to EPA was the
Infrastructure Certification and Transportation SIP.

6. Other Business

Mr. Herdler provided an update on the St. Louis Clean Cities recent activities. They have been
working on new grants for the St. Louis area which are due on June 19, 2019. One is for an
electrical vehicle project and the other is for a biodiesel project. St. Louis Clean Cities has
partnered with UMSL on a data collection and analysis project.

Mr. Young informed the group that the Bloomberg Foundation is bringing more funding to the
St. Louis area. The foundation has already given a grant to the City of St. Louis for climate
action through building efficiency and transportation. The foundation is also giving funds to
Washington University to use toward projects over the next year and a half that focus on climate
change. Washington University is going to host a Midwest Colligate Climate Summit in spring
2020 that will address how universities can work more closely with cities on climate action.
There will also be funding for professors and students to do more research on the climate.

The OneSTL Energy and Emissions Working Group are assisting the City of St. Louis with their
green energy plan. The group is also looking to work on reducing greenhouse gas emissions from
our transportation system, but do not have a plan for that yet.

The American Association for the Advancement of Science are beginning preliminary
discussions about sponsoring a fellowship program to be called the Missouri Science and
Technology Policy Fellows. The idea is to fund interns who could provide science information to
the state legislator.

7. Adjournment

The next meeting will be on June 25, 2019. There being no other business, the meeting was
adjourned.