

Purpose of Air Quality Conformity

- Projects must be analyzed to determine that they meet requirements of (conform to) state air quality ozone plans and do not worsen air quality
- All projects must be included in the analysis
- Projects not included in the analysis cannot progress/move ahead toward implementation





Who performs Conformity Determination for the St. Louis (MO-IL) Region

- Conducted by the East-West Gateway Council of Governments (EWG), the Metropolitan Planning Organization for the region
 - With assistance of the Inter Agency Consultation Group (IACG), a peer group made up of representatives from EWG and federal, state and local air quality and transportation agencies
- EWG Board of Directors to approve initial determination
- Final conformity determination is made by Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) as OneDOT
 - U.S. Environmental Protection Agency (EPA) provides input on whether the EWG's initial conformity determination and the associated documentation meets requirements of Transportation Conformity Regulations
- Starting with EWG efforts and ending with receipt of OneDOT letter, it is approximately a nine month process



Air Quality Conformity Determination Process

- Process from EPA's Transportation Conformity Regulations, 40 CFR Part 93
- Conformity evaluates and documents the impact of proposed transportation activities on the region's air quality
 - Conducted for Transportation Improvement Program (TIP) and metropolitan Long Range Transportation Plan (LRTP)
- Projects included in the TIP/LRTP must pass regional emissions analysis tests for hydrocarbons (or volatile organic compounds - VOC) and oxides of nitrogen (NO_x) for selected future analysis years, including the horizon year for the LRTP
 - VOC and NO_x are precursors to the formation of ozone and can be found in vehicle exhaust



Components of a Regional Emissions Analysis - 1

- Develop forecasts of future mobile source emissions (VOC and NO_x) for selected future analysis years for projects in TIP/LRTP by:
 - Running travel demand model to develop vehicle miles traveled (VMT) estimates
 - Running latest EPA-approved MOtor Vehicle Emissions Simulation (MOVES) model to generate mobile source emissions factors (Inventory or Emissions mode can be used)
 - If MOVES run in emissions mode, then running EWG-developed postprocessing program which uses the VMT estimates and the MOVES input and output files to calculate total emissions

Components of a Regional Emissions Analysis - 2

- Comparing the EWG-generated mobile source emissions forecasts expected to occur as result of implementation of the TIP/LRTP to Missouri and Illinois VOC and NO_x motor vehicle emissions budgets set out in their respective State Implementation Plans (SIPs) for air quality
- Demonstrating that for all analysis years each State's motor vehicle emissions budgets will not be exceeded



Results Regional Emissions Analysis

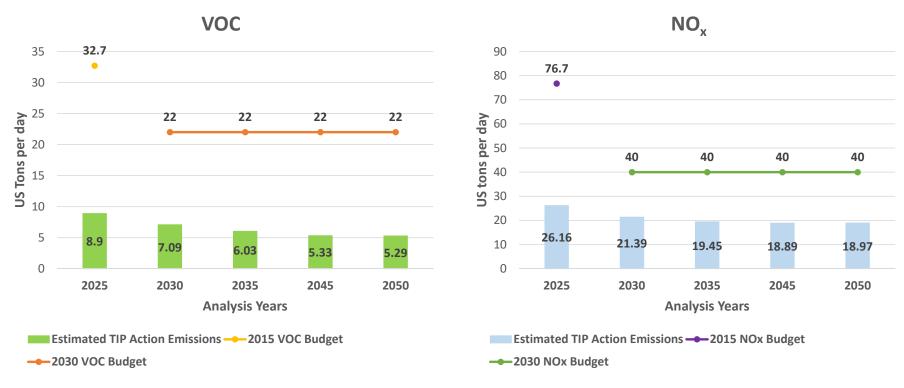
Performed to determine Conformity for 2008 Ozone Standard



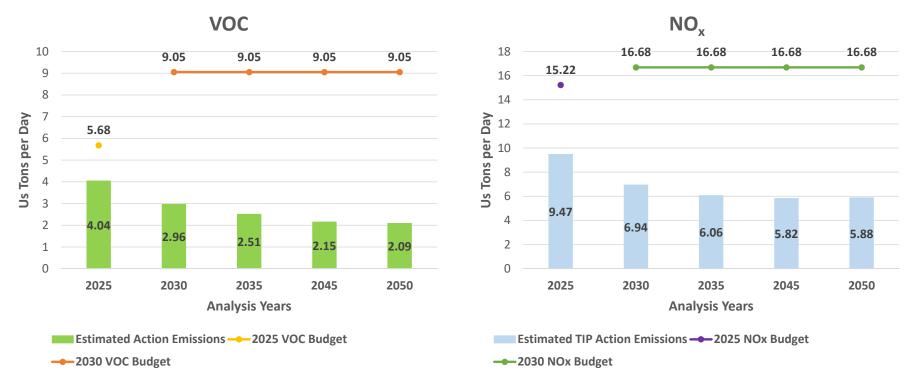


Creating Solutions Across Jurisdictional Boundaries

2008 Ozone Standard Missouri - 5 County Maintenance Area Regional Emissions Analysis (US tons/day)

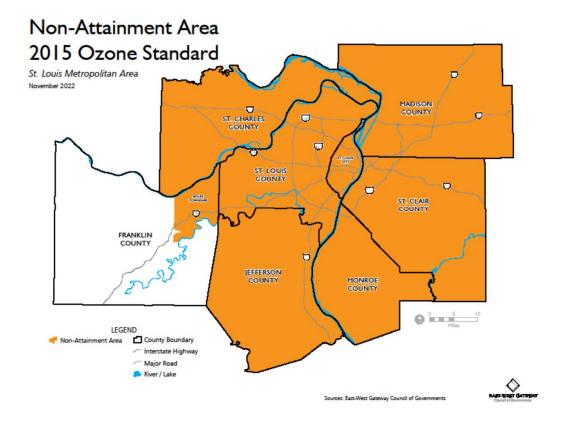


2008 Ozone Standard Illinois - 3 County Maintenance Area Regional Emissions Analysis (US tons/day)



Results Regional Emissions Analysis

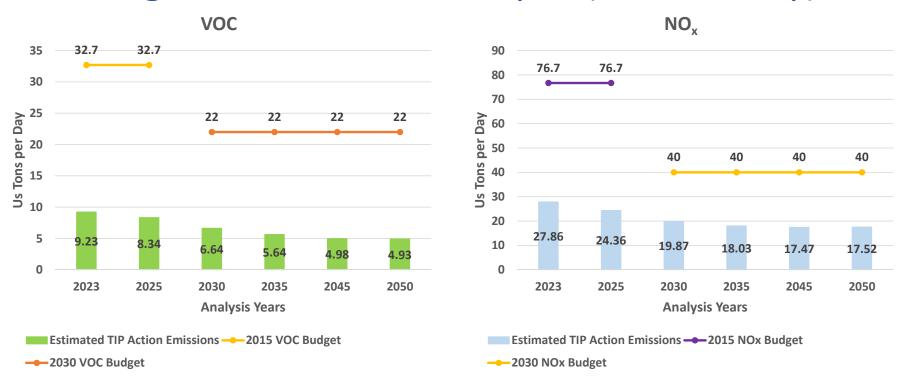
Performed to Determine Conformity for 2015 Ozone Standard



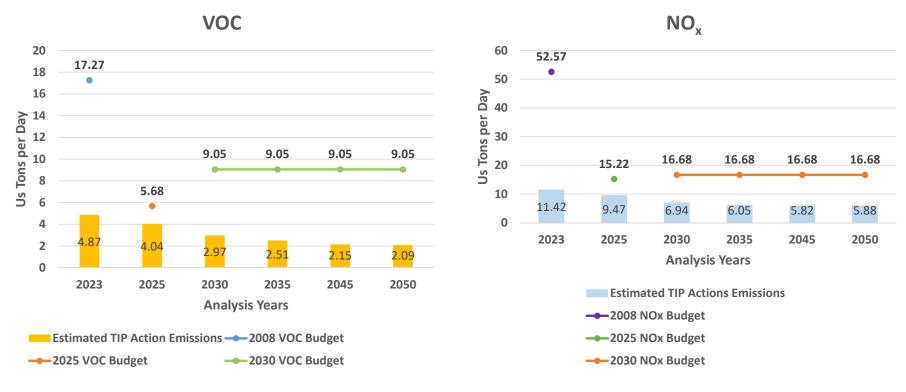


Creating Solutions Across Jurisdictional Boundaries

2015 Ozone Standard Missouri - 4 County & 1 Township Nonattainment Area Regional Emissions Analysis (US tons/day)



2015 Ozone Standard Illinois - 3 County Nonattainment Area Regional Emissions Analysis (US tons/day)



Public Comment Period for Draft Conformity Determination and Draft FY 2024 – 2027 TIP

- June 30, 2023 August 2, 2023
- Information about the drafts and the five public Open House meetings can be found at – https://www.ewgateway.org/transportation-planning/transportation-improvement-program/fy2024-2027-tip-public-comment/
- Comments can be: provided at Open House meetings; emailed to tip@ewgateway.org; or mailed to EWG at Gateway Tower, 1 Memorial Dr., Suite 1600, St. Louis, MO 63102. Include whether TIP or AQCD comment and must be postmarked by August 2. Online comments are due by midnight on August 2.