

Congestion Mitigation and Air Quality Improvement (CMAQ) Program



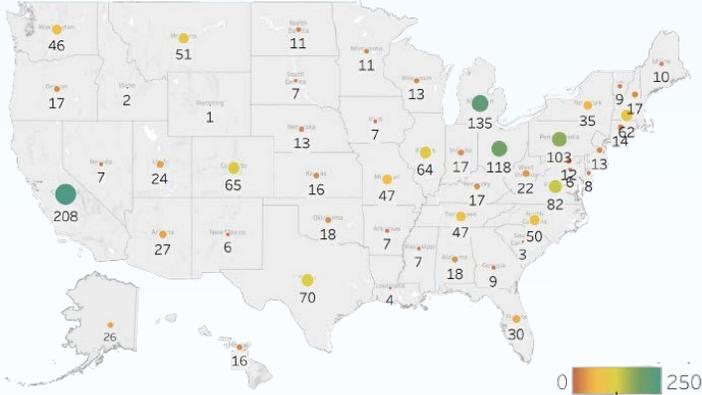
U.S. Department of Transportation
Federal Highway Administration

Fiscal Year 2022 Annual Projects Snapshot

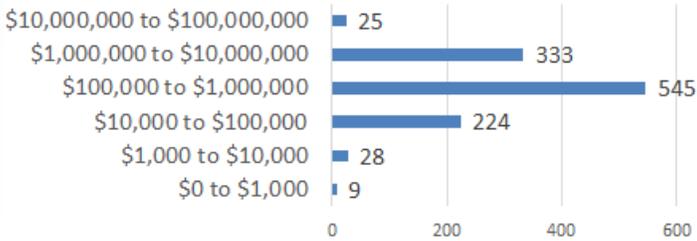
Data from the CMAQ Public Access System: FY 2022 and Trends FY 2017 - 2022

Total Projects: 1,628
New Projects: 724
Continuing Projects: 904

States with the Most Projects: California (208), Michigan (135), Ohio (118), Pennsylvania (103), Virginia (82)



Projects by Funding Amount:



The average amount of funding was \$1.50 million; 56% of projects also received funding in prior years.

Percent of Projects in MPO Areas: 97%

Projects Reporting Congestion Benefits: 51%

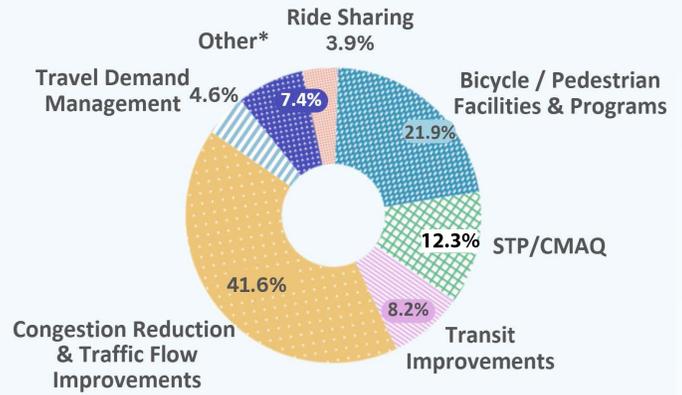
Total Emissions Reductions Reported in 2022 (kg/day):

CO: 205,779 VOC: 6,306 PM₁₀: 1,339
NO_x: 28,183 PM_{2.5}: 1,363

Electric Corner:

Significant investments in electric vehicles (EV) and charging infrastructure were made in FY 2022. MPOs across Alaska, California, Hawaii, Indiana, New Jersey, Ohio, Pennsylvania, Tennessee, and Virginia spent a total of \$145 million on EV-related projects through the CMAQ Program. In Pittsburgh, Pennsylvania, CMAQ funds were used to add 154 e-bicycles and 22 solar panel charging stations to the city's existing commuter bicycle infrastructure, Healthy Ride.

Projects by Type:



Project types in FY 2022 were consistent with the average breakdown in FY 2017 through FY 2021.

***Other Includes:** Alternative Fuels & Vehicles (1.4%), Advanced Diesel Truck/Engine Technologies (0.9%), Inspection/Maintenance (0.6%), Freight/Intermodal (0.2%), and Uncategorized (4.3%)
STP/CMAQ: Indicates Surface Transportation Block Grant (STBG) eligible projects

Project Highlight:

The Boston Region MPO in Massachusetts used CMAQ funds to implement a shuttle service connecting an employment cluster with the Massachusetts Bay Transportation Authority commuter rail station and three different rapid transit stations. By improving access to employment centers and major transit hubs during peak hours, the shuttle service is expected to reduce VOC, CO, and NO_x emissions by 67, 3,938, and 196 kg per year respectively.

Cleaner Ports: Clean ports initiatives aim to improve air quality around ports, reducing harmful pollutants like PM_{2.5} and NO_x. This improves health for residents in surrounding communities, including disadvantaged areas, and for port workers, while also enhancing port efficiency. In FY 2022, CMAQ funded \$2.31 million in intermodal freight projects that streamline freight movement between trucks, trains, and ships. For example, a project in the Port of Pittsburgh retrofitted 36 marine diesel engines on 18 tugboats, resulting in cleaner air for communities near the port.

Acronyms | MPO: Metropolitan Planning Organization, kg: Kilogram, CO: Carbon Monoxide, VOC: Volatile Organic Compounds, PM: Particulate Matter, NO_x: Nitrogen Oxides, STP: Surface Transportation Program