

**CMAQ COST-EFFECTIVENESS THRESHOLD DOCUMENTATION
FOR THE TULARE COUNTY ASSOCIATION OF GOVERNMENTS (INITIATED
FOR 2017 FTIP)**

The Congestion Mitigation and Air Quality (CMAQ) program provides funding for transportation projects or programs that contribute to attainment or maintenance of the national ambient air quality standards. All San Joaquin Valley Metropolitan Planning Organizations (MPOs) adopted policies in 2007 for distributing at least 20 percent of the CMAQ funds to projects that meet a cost-effectiveness threshold for emission reductions. For the 2017 Federal Transportation Improvement Program (FTIP), this applies to years 2016-2017 through 2019-2020. TCAG has made every effort to expend the minimum 20 percent funding for cost-effective projects over the course of the FTIP and the attached documentation demonstrates that TCAG has met the 20 percent funding goal.

Project eligibility continues to be based on federal CMAQ guidance. MPOs can fund projects within local jurisdictions or contribute funding to the San Joaquin Valley Air Pollution Control District (SJVAPCD) grant incentive programs to meet the cost-effectiveness threshold requirements. Funds contributed to the SJVAPCD grant incentive programs will be assumed to have met the threshold, as that threshold is more stringent than the one established by the CMAQ cost-effectiveness policy.

Emission benefits and cost-effectiveness calculations are based on the applicable pollutants for the region, including the components of ozone (nitrogen oxides [NO_x] and reactive organic gases [ROG]) and particulate matter (PM). The “Methods to Find the Cost-Effectiveness of Funding Air Quality Projects” document developed by the Air Resources Board (ARB) is currently the appropriate methodology for calculating cost-effectiveness. Cost-effectiveness is expressed as dollars spent per pound of pollutant reduced (ROG + NO_x + PM_{2.5}+PM₁₀). The cost-effectiveness threshold for the 2017 FTIP has been recommended to be increased to \$45 per pound (\$90,000/ton) from previously recommended level of \$30 per pound (\$60,000 per ton) and is based on CMAQ dollars only, not total project cost.

TCAG has identifies projects that qualify for the cost-effectiveness policy. As stated in the Cost-Effectiveness Policy, TCAG has agreed to post information related to the implementation of the cost-effectiveness CMAQ policy on its website. Documentation that fulfills this requirement and demonstrates that TCAG has estimated the amount of funding in each FTIP necessary to meet the 20 percent cost-effectiveness goal and provided a summary of the CMAQ projects that meet the minimum cost-effectiveness threshold will be posted on TCAG’s website.