

CMAQ COST-EFFECTIVENESS THRESHOLD DOCUMENTATION FOR THE FRESNO COUNCIL OF GOVERNMENTS 2025 FTIP

The Congestion Mitigation and Air Quality (CMAQ) program provides funding for transportation projects or programs that contribute to the 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 2025 Federal Transportation Improvement Program (FTIP), this applies to the years 2024-2025 through 2027-2028. Fresno Council of Governments (Fresno COG) 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 Fresno COG has met the 20 percent funding goal. Project eligibility is determined in line with the federal CMAQ guidance.

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 (CARB) is currently the appropriate methodology for calculating cost-effectiveness. In addition, FHWA published “CMAQ Improvement Program Cost-Effectiveness Tables and Development Methodology” published on December 3, 2015, and updated on July 20, 2020 and this methodology will be used to establish project eligibility for project types not addressed in the state guidance. In addition, another appropriate cost-effectiveness calculation methodology may be used upon consultation with interagency partners. 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 2025 FTIP has been increased to \$88 per pound (\$176,000/ton) from \$63 per pound (\$126,000 per ton) and is based on CMAQ dollars only, not total project cost.

Fresno Council of Governments has identified, through existing programmed projects in those years or other selection methods, projects that qualify for the cost-effectiveness policy. Fresno COG has awarded CMAQ funds through a competitive grant process. Information regarding the Fresno COG CMAQ Program may be found at: [Congestion Mitigation and Air Quality \(CMAQ\) Program - Fresno Council of Governments](#).

As stated in the Cost-Effectiveness Policy, *Fresno Council of Governments* has agreed to post information related to the implementation of the cost-effectiveness CMAQ policy on its website. Attached is documentation that fulfills this requirement and demonstrates that *Fresno Council of Governments* has estimated the amount of funding in the 2025 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.

CMAQ Cost-Effectiveness Documentation for the Fresno Council of Governments 2025 FTIP

<u>Year</u>	<u>Estimated CMAQ Apportionments</u>	<u>20 Percent Minimum</u>
FY 2024-2025	\$ 14,162,942.00	\$ 2,832,588.40
FY 2025-2026	\$ 14,446,200.00	\$ 2,889,240.00
FY 2026-2027	\$ 14,733,480.00	\$ 2,946,696.00
FY 2027-2028	\$ 15,026,392.00	\$ 3,005,278.40
Totals	\$ 58,369,014.00	\$ 11,673,802.80

<u>Year(s)</u>	<u>FTIP ID</u>	<u>Agency</u>	<u>Project Description</u>	<u>CMAQ Funding Amount</u>	<u>Estimated Cost-Effectiveness⁽¹⁾</u>
2027-2028	LSTMP524	County of Fresno	Purchase one (1) CNG School Bus - Central Unified	\$169,500	48.03
2026-2027	LSTMP758	Clovis Unified School District	Purchase two (2) CNG School Buses - Clovis Unified 2020	\$384,600	10.33
2026-2027	LSTMP797	City of Clovis	Shaw Ave Adaptive ITS Project - Cole to DeWolf	\$478,504	26.66
2025-2026	LSTMP798	City of Clovis	Herndon Ave Adaptive ITS Project - Clovis to Locan	\$521,265	20.53
2027-2028	LSTMP643	County of Fresno	Goodfellow Ave Shoulder Improvements from Channel to Reed	\$2,376,843	6.12
2026-2027	LSTMP800	County of Fresno	American Ave Shoulder Improvements from Peach to Temperance	\$2,423,019	6.63
2026-2027	LSTMP804	County of Fresno	Adams Ave Shoulder Improvements/Overlay: Locan to Academy	\$4,153,243	7.94
2027-2028	LSTMP908	County of Fresno	Elkhorn Ave Shoulder Improvements - Fowler Ave to SR 43	\$7,727,078	7.84
2027-2028	LSTMP922	County of Fresno	Fowler Ave Shoulder Improvements-Elkhorn Ave (HSR) to County Line (Kings River)	\$636,706	5.18
2027-2028	LSTMP757	Fresno Unified School District	Purchase three (3) CNG School Buses - Fresno Unified 2020	\$583,935	17.98
2024-2025	LSTMP801	City of Huron	9th Street Paving - Giffen to Siskiyou	\$204,613	0.04
2027-2028	LSTMP918	City of Huron	Alley Improvements Between 12th and 10th Streets	\$613,760	0.60
2027-2028	LSTMP646	Kings Canyon Unified School District	Purchase 2 CNG School Buses - Kings Canyon 2018	\$381,458	20.69
2025-2026	LSTMP838	City of Reedley	Dinuba Ave Sidewalks: Riverview to I St	\$452,725	0.32
2027-2028	LSTMP923	City of San Joaquin	Railroad Avenue Paving Improvements	\$557,582	0.83
2025-2026	LSTMP529	Sanger Unified School District	Purchase 2 CNG School Buses - Sanger Unified	\$371,826	18.71
2027-2028	LSTMP647	Sanger Unified School District	Purchase 2 CNG School Buses - Sanger Unified 2018	\$389,532	25.36
2024-2025	LSTMP841	City of Selma	Merced-Stillman-Tulare Alley Improvements: McCall to Wright	\$452,000	7.11
2025-2026	LSTMP914	City of Sanger	Residential Alley Paving	\$872,000	0.85
Total CMAQ Funding Amount				\$ 23,750,189.00	
CMAQ Cost-Effectiveness Goal				\$ 11,673,802.80	
CMAQ Cost-Effectiveness Goal Met?					YES
Percent of CMAQ Funds Awarded to Cost-Effective Projects					41%

(1) Cost-effectiveness for each project identified as meeting the cost effectiveness threshold must be below \$88 per pound, or \$176,000 per ton.