

CMAQ Cost-Effectiveness Documentation for the StanCOG 2015 FTIP

<u>Year</u>	<u>Estimated CMAQ Apportionments</u>	<u>20 Percent Minimum</u>
FY 2014-2015	\$ 7,280,000.00	\$ 1,456,000.00
FY 2015-2016	\$ 7,280,000.00	\$ 1,456,000.00
FY 2016-2017	\$ 7,280,000.00	\$ 1,456,000.00
FY 2017-2018	\$ 7,280,000.00	\$ 1,456,000.00
Totals	\$ 29,120,000.00	\$ 5,824,000.00

Year	FTIP ID	Agency	Project Description	CMAQ Funding Amount	Estimated Cost-Effectiveness⁽¹⁾
14/15	21400000565	Ceres	Traffic Signal Synchronization Improvements	\$65,512	\$2.48
14/15	21400000636	Modesto	Replace '90 bus (01 engine) use TC	\$420,000	\$2.49
14/15	21400000594	Modesto	New Traffic Signals 2015	\$85,000	\$2.72
14/15	21400000594	Riverbank	Signal @ Roselle & Patterson & Pedestrian Crossing Over RR Tracks	\$210,000	\$8.37
14/15	21400000637	Stanislaus County	Alternative Fuel/Diesel Motor Grader - Purchase	\$110,000	\$11.53
14/15	21400000254	Stanislaus County	Transit Fare Subsidy	\$71,494	\$12.12
14/15	21400000565	Ceres	Intelligent Transportation Systems (ITS) Signal Synchronization Phase II	\$107,653	\$15.33
14/15	21400000567	Ceres	Bike/Pedestrian Path Mitchell Road TID: Fowler Rd to Whitmore Ave	\$266,564	\$16.40
14/15	21400000510	Modesto	Rideshare Program	\$64,999	\$18.28
14/15	21400000567	Ceres	Bike/Pedestrian Path Mitchell Road TID: Roeding Rd to Service Rd	\$56,305	\$22.59
14/15		Stanislaus County	Crows Landing Road at Grayson Road Traffic Signalization	\$157,500	\$25.68
14/15	21400000594	Turlock	Christoffersen/Fosberg Intersection Improvements	\$45,455	\$26.15

Year	FTIP ID	Agency	Project Description	CMAQ Funding Amount	Estimated Cost-Effectiveness ⁽¹⁾
15/16	21400000678	Modesto	Synchronize Traffic Signals Downtown 2015	\$400,000	\$2.38
15/16	21400000678	Ceres	Traffic Signal Synchronization Improvements	\$270,813	\$2.48
15/16	21400000594	Modesto	New Traffic Signals 2015	\$590,000	\$2.72
15/16	21400000594	Riverbank	Signal @ Roselle & Patterson & Pedestrian Crossing Over RR Tracks	\$440,000	\$8.37
15/16	21400000254	Stanislaus County	Transit Fare Subsidy	\$75,068	\$12.12
15/16	21400000678	Ceres	Intelligent Transportation Systems (ITS) Signal Synchronization Phase II	\$350,844	\$15.33
15/16	21400000510	Modesto	Rideshare Program	\$65,001	\$18.28
15/16	21400000567	Ceres	Bike/Pedestrian Path Mitchell Road TID: Roeding Rd to Service Rd	\$280,375	\$22.59
15/16	21400000594	Turlock	Christoffersen/Fosberg Intersection Improvements	\$454,545	\$26.15
16/17	21400000673	Newman	Purchase CNG Street Sweeper	\$350,000	\$14.71
16/17	21400000678	Modesto	Upgrade ATMS Software & Communications	\$140,002	\$2.25
16/17	21400000674	Modesto	Bus Replacement	\$550,000	\$7.10
16/17	21400000594	Turlock	Traffic Signal at F Street and Lander	\$37,615	\$11.52
16/17	21400000678	Turlock	Traffic Signal Synchronization	\$51,000	\$13.30
16/17	21400000594	Turlock	Traffic Signal at Denair-Hawkeye Roundabout-Central Ave/Pine St/Industrial Way-Morgan/Aristocrat Int	\$28,640	\$14.48
16/17	21400000565	Ceres		\$471,865	\$14.67
17/18	21400000673	Newman	Purchase CNG Street Sweeper	\$1,059,998	\$14.71
17/18	21400000678	Modesto	Upgrade ATMS Software & Communications	\$550,000	\$2.25
17/18	21400000674	Modesto	Bus Replacement	\$288,385	\$7.10
17/18	21400000565	Ceres	Roundabout-Central Ave/Pine St/Industrial Way-Morgan/Aristocrat Int	\$471,865	\$14.67
Total CMAQ Funding Amount				\$8,186,498	
CMAQ Cost-Effectiveness Goal				\$ 5,824,000.00	
CMAQ Cost-Effectiveness Goal Met?				YES	
Percent of CMAQ Funds Awarded to Cost-Effective Projects				28%	

(1) Cost-effectiveness for each project identified as meeting the cost effectiveness threshold must be below \$30 per pound, or \$60,000 per ton.