



The Congestion Mitigation and Air Quality Improvement (CMAQ) Program: *Trends, Reauthorization, ARRA, etc.!*

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MTAQS

SAFETEA-LU

Safe, Accountable, Flexible, Efficient Transportation Equity Act:
A Legacy for Users



U.S. Department of Transportation
Federal Highway Administration



- Background and update, diesel focus
- Reauthorization at a glance
- CMAQ and ARRA
- Field experiences, scenarios



CMAQ & Title 23: *What and why?*

Section 149: *The CMAQ program is established for transportation projects that contribute to the attainment or maintenance of the national ambient air quality standards for ozone, carbon monoxide, or particulate matter.*



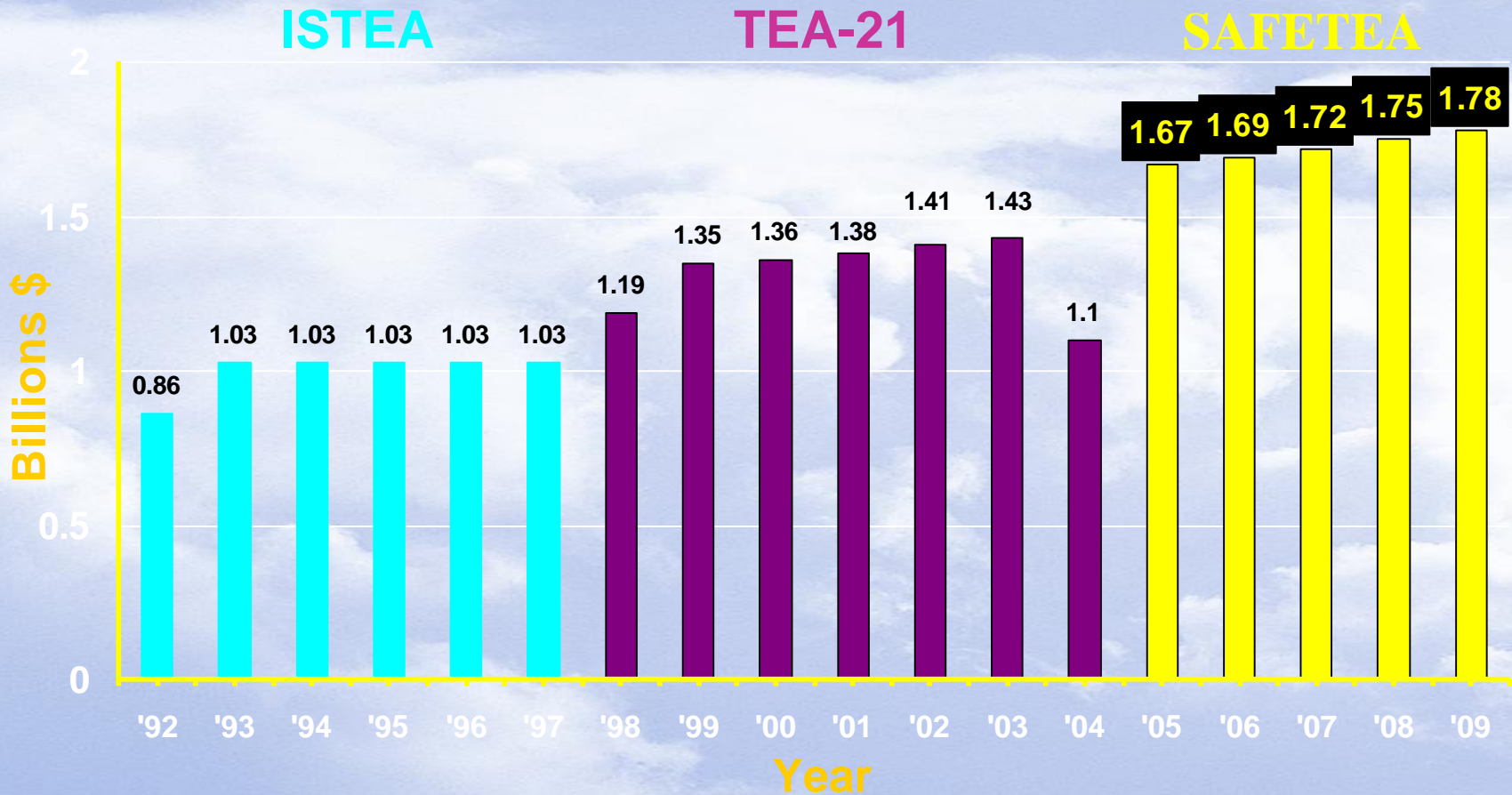


Projects Funded

- More than \$21 billion invested in 24,000 projects since 1992
- Wide range of eligible projects
 - ❖ transit improvements
 - ❖ shared ride services
 - ❖ traffic flow improvements
 - ❖ demand management
 - ❖ bicycle and pedestrian projects
 - ❖ alternative fuels
 - ❖ inspection & maintenance programs
 - ❖ freight services
 - ❖ experimental pilots
 - ❖ public / private partnerships
 - ❖ diesel retrofits
 - ❖ anti-idling facilities



CMAQ Authorization Levels





Highlighted Eligible Projects

- Advanced truck stop electrification systems
- **Allowed anti-idling facilities in Interstate ROW (§1412)—*removed via the corrections bill***





Highlighted Eligible Projects (cont.)

- Diesel retrofits for on-road, and off-road engines used in construction projects in ozone or PM nonattainment or maintenance areas
 - ❖ Includes replacement, repowering, rebuilding, after treatment technology.
- Outreach activities for diesel retrofits
- Creditable for conformity





Highlighted Eligible Projects (cont.)

- More on Diesels:
 - ❖ *Smart-way technology*
 - ❖ *Locomotives*
 - ❖ *Intermodal facilities*
 - ❖ *Auxiliary power units*
 - ❖ *Heavy-duty scrappage*
 - ❖ *On-road vehicles*





Diesel Retrofits Under S-LU, so far...

- Definition of *retrofit project* varies greatly
- Routine replacements—transit—usually not included
- Reporting points to projects in over 25 States
- Wide range of support in FY 06 and 07:
\$25 million - \$55 million each year

Evaluation & Assessment Study



- Sec 1808 (f) calls for a study of the program
- Focuses on air quality, congestion, and effective implementation
- Field work concluded, end of FY08
- Phase 1 & 2 both now released



Today's Issues and Developments ...CMAAQ and Reauthorization



Reauthorization

- Diesel focus?
- Freight & intermodal?
- Congestion relief?
- Finance options, 100% Fed share?
- Climate Change?





Draft Proposals & Bills

- ***STA of 09***—diesel and priority language amended; focus on MPOs, suballocation; no change to apportionment formula
- ***STE A***—no program changes; 100% Fed share extended; funds apportioned with FY 09 factors—no update
- Administration bill...tbd



CMAQ & The Recovery Act



ARRA Eligibility

- Projects covered under 23 U.S.C. 133(b), the Surface Transportation Program
- Passenger and freight rail and port projects outlined in 23 U.S.C. 601(a)(8), the TIFIA program



CMAQ and ARRA Tradeoff

- Port and rail projects targeted
- Eligibility under TIFIA or CMAQ needed for most P/R projects
- CMAQ picks up where TIFIA is limited





Success Stories!



Pittsburgh—project selection

- MPO establishes separate CMAQ committee
- “CEC” convened for 2 years to review proposals and provide recommendations
- Debriefing is conducted to close the process and deliver a suite of CMAQ projects
- The CEC is then dissolved with a new group selected for the next CMAQ cycle



Birmingham–TSE

- Region is a major crossroads for trucks
- APCA, 11-member group worked for a 3P solution
- Business provides the land and facility, public financing supports the start-up
- Idle reduction of 3,000 kg of NO_x annually





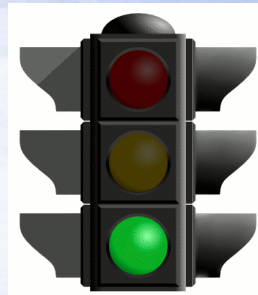
Ft. Collins—Bike Library

- City created partnership lending bikes on demand
- City responded to MPO call for CMAQ projects
- Two-year project lends bikes at no cost—one hour to one week
- Ft. Collins calls project a model of interagency cooperation—at capacity

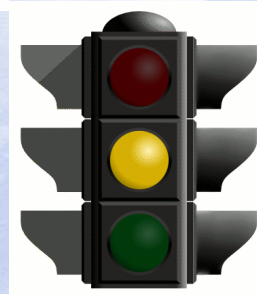


A Few Scenarios

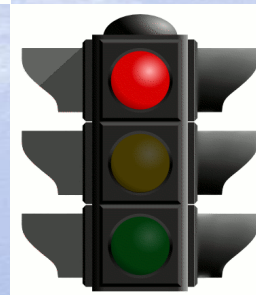
- ELIGIBLE



- MAYBE



- NOT ELIGIBLE

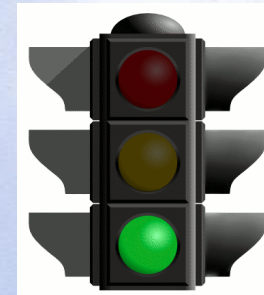




Eligible or Not

- Let's say you want to rent a hotel conference room for a meeting with local company ride-share coordinators to discuss how to document their programs.

Is It Eligible?

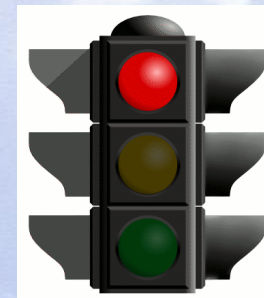




Eligible or Not

- Let's say you want to sponsor a reception prior to an evening meeting that has been set up to discuss an employer ride-sharing program. Wine will be served at the reception.

Is It Eligible?

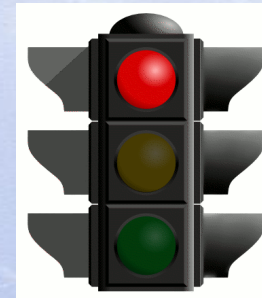




Eligible or Not

- You've been asked to donate CMAQ funds to the local YMCA youth outreach program.

Is It Eligible?

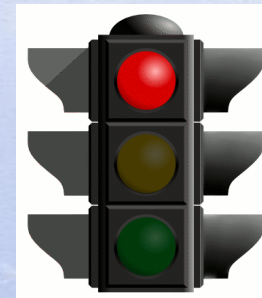




Eligible or Not

- Let's say you sponsor a drawing as an incentive for employee participation in a car pool program and the winner gets tickets to an amusement park.

Is It Eligible?

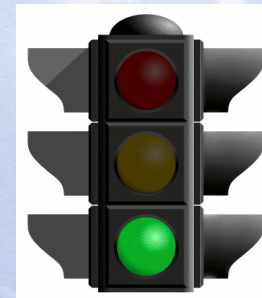




Eligible or Not

- You want to implement a traffic signal retiming project based on the MPO's Congestion Management Program (CMP) or an approved study.

Is It Eligible?

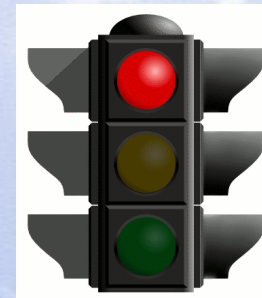




Eligible or Not

- Let's say you arrange for an awards lunch to recognize employers who have greatly increased their staff's ridesharing participation.

Is It Eligible?

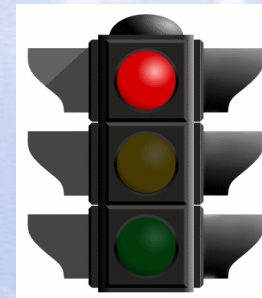




Eligible or Not

- The local transit authority wants to do a comprehensive evaluation of their existing fixed route transit system to determine which routes have low ridership and are operating below expectation.

Is It Eligible?

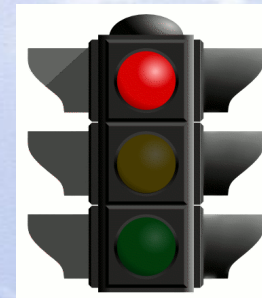




Eligible or Not

- Let's say the local Chamber of Commerce requests that the MPO conduct an analysis to determine and rank the top ten most congested intersections in the city's downtown or central business district.

Is It Eligible?

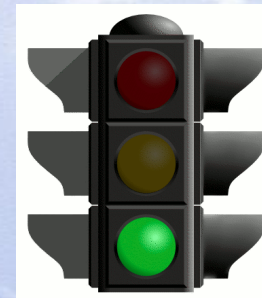




Eligible or Not

- The port is in a PM nonattainment area. A new intermodal container transfer yard just opened and already needs to expand. The railroad and sponsor want to use CMAQ to purchase three top-pick container cranes—kind of like giant forklifts but only for handling boxes/containers.

Is It Eligible?

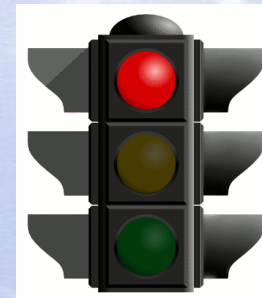




Eligible or Not

- It's the Holiday season and you want to send Christmas cards from the staff to your local contacts.

Is It Eligible?

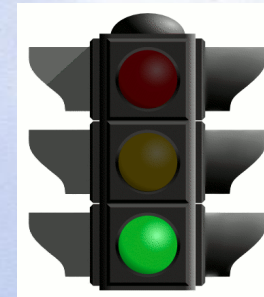




Eligible or Not

- CSX would like to replace older (let's face it, OLD) railyard locomotives with new fuel efficient, low emission switchers. The yard is in a region with bad air, but the railroad is privately owned.

Is It Eligible?

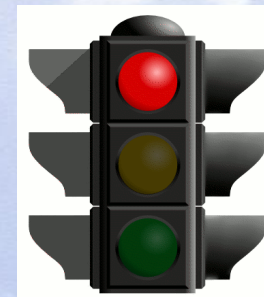




Eligible or Not

- Studies and community action groups point to a strong need for a bike path within a nearby state park. It's a beautiful path, along a river valley, miles from any roads, but within a serious ozone nonattainment area.

Is It Eligible?

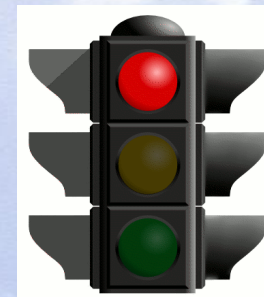




Eligible or Not

- The State DOT would like to retrofit all of its diesel tractors—the kind that are used to mow medians, rural road shoulders, etc. The SAFETEA-LU targeted diesels, including projects for off-road vehicles. All these tractors are publicly owned and the whole State is nonattainment or maintenance.

Is It Eligible?





Resources

■ Contacts

- ❖ Michael.Koontz@dot.gov (CMAQ coordinator)
- ❖ Emily.Biondi@dot.gov (project eligibility)
- ❖ Victoria.Martinez@dot.gov (Sec 1808 study)
- ❖ Robert.Kafalenos@dot.gov (tracking system)

■ Web

- ❖ <http://www.fhwa.dot.gov/environment/cmaqpgs/index.htm>



Questions?

