



The Congestion Mitigation and Air Quality Improvement (CMAQ) Program: *Revised Guidance under SAFETEA-LU*

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**West Coast Diesel
Collaborative**

SAFETEA-LU

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



U.S. Department of Transportation
Federal Highway Administration



- **Background on the CMAQ Program**
- **SAFETEA-LU (2005) CMAQ Provisions**



Basic Eligibility: Requirements

- **Transportation Project**
- **Reduces emissions**
- **Nonattainment or maintenance area
OR primarily benefits the NA/M area**



Apportionment Formula

- **Funds apportioned to States based on:**
 - ❖ **Population in Ozone and CO areas**
 - ❖ **Severity of the air quality problem**
 - ❖ **Multiple pollutants earn extra weight**
- **All States guaranteed a 0.5% minimum apportionment**
- **PM is NOT included in the formula**



Projects Funded

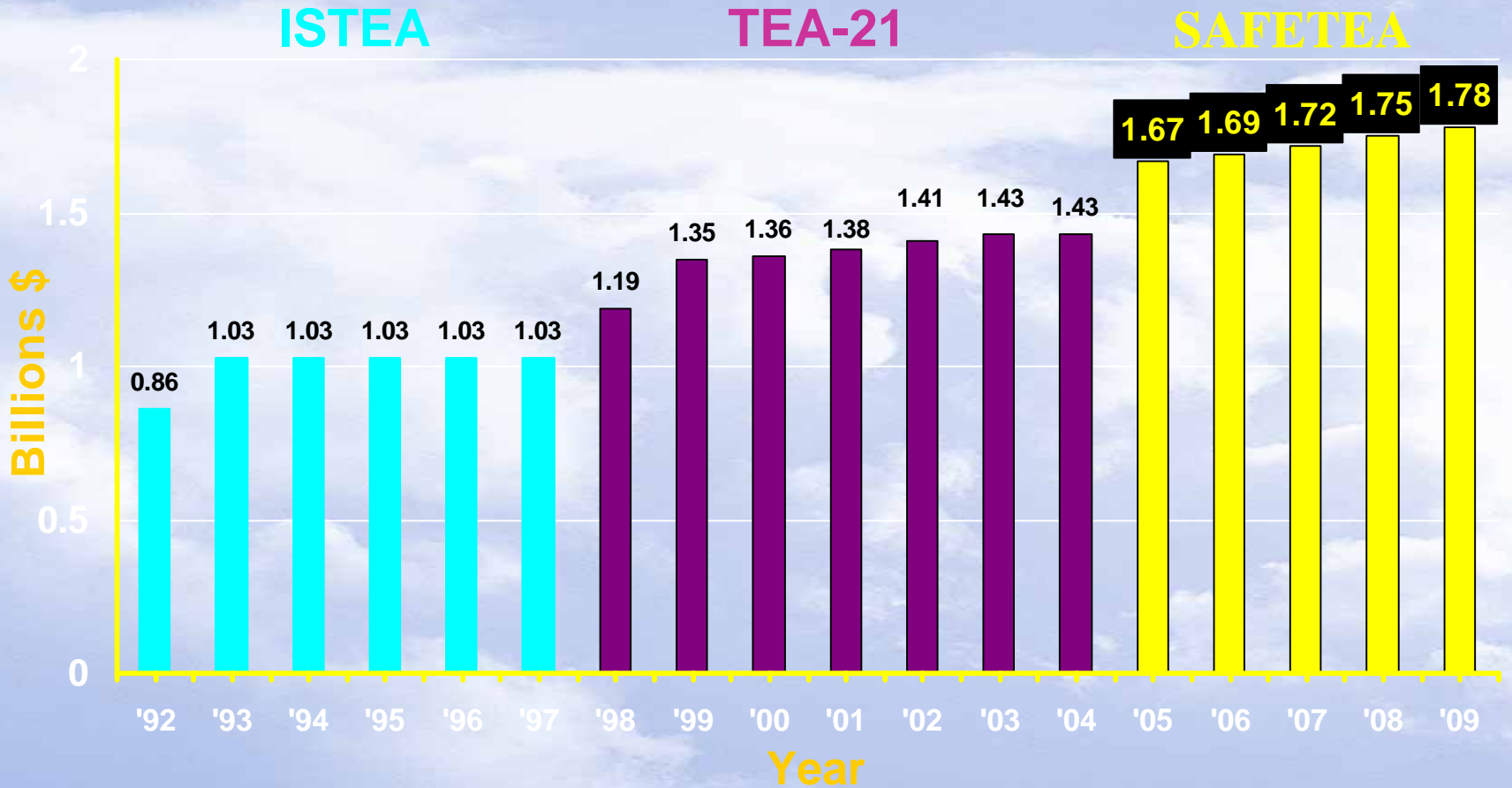
- Program has supported more than 16,000+ transportation projects since 1992
- **Wide range of eligible projects**
 - ❖ transit improvements
 - ❖ shared ride services
 - ❖ traffic flow improvements
 - ❖ demand management
 - ❖ bicycle and pedestrian projects
 - ❖ alternative fuels
 - ❖ inspection & maintenance programs
 - ❖ freight services
 - ❖ experimental pilots
 - ❖ public / private partnerships
 - ❖ diesel retrofits





SAFETEA-LU (2005) CMAQ Provisions

CMAQ Authorization Levels





Highlighted Eligible Projects

- **Transportation systems management & operations that mitigate congestion & improve air quality**
- **Purchase of integrated, interoperable emergency communications equipment**



Highlighted Eligible Projects (cont.)

- **Advanced truck stop electrification systems**
- **Allows idle-reduction facilities in Interstate ROW (§1412)**



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**
- **Savings clause**
- **Conformity credit**

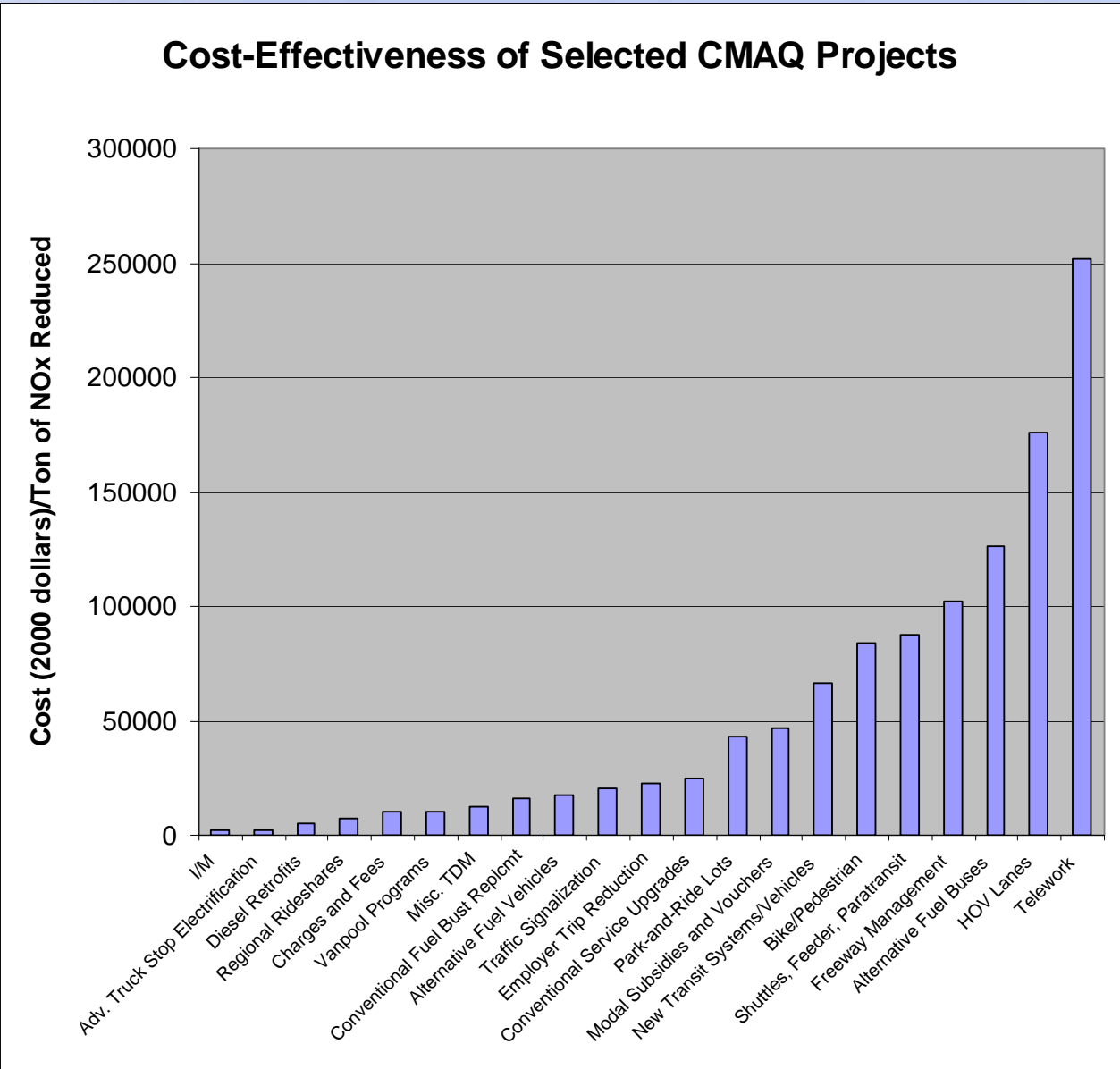


Highlighted Eligible Activities (cont.)

- **More on Freight/Diesels:**
 - ❖ *Smart-way technology*
 - ❖ *Locomotives*
 - ❖ *Intermodal facilities*
 - ❖ *Auxiliary power units*
 - ❖ *On-road & off-road diesel engine retrofits*
 - ❖ *Heavy-duty vehicle scrappage programs*



Cost-Effectiveness of Selected CMAQ Projects



Source: National Academy of Sciences, Environmental Protection Agency



State-Specific Flexibilities

- **Montana: Operation of public transit activities in non-attainment or maintenance areas**
- **Michigan: Operation & maintenance of ITS strategies that serve nonattainment or maintenance areas**
- **Maine: Operation of passenger rail service between Boston, MA, and Portland, ME**
- **Oregon: Operation of additional rail service between Eugene and Portland**
- **MO, IA, MN, WI, IL, IN, OH: Purchase of alternative fuels or biodiesel**



CMAQ Study (§1808f)

- U.S. DOT, in consultation with EPA, will evaluate and assess a representative sample of projects funded under the CMAQ program to:
 - ❖ Determine the direct and indirect impact of the projects on air quality and congestion levels
 - ❖ Ensure effective implementation of the program
- Requires maintenance and dissemination of a cumulative database on impacts of CMAQ projects
- Funding not addressed in SAFETEA-LU



Next Steps

- **Review and address comments from the 12-19-06 FR notice**
- **Issue final guidance**
- **Workshops / outreach activities**
- **Identify funding for CMAQ study**



Resources

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■ Web

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

Questions?

