

List of source categories for starting point for identifying potentially available control strategies for nonattainment area

Stationary source measures

- Stationary diesel engine retrofit, rebuild or replacement, with catalyzed particle filter
- New or upgraded emission control requirements for direct PM_{2.5} emissions at stationary sources (e.g., installation or improved performance of control devices such as a baghouse or electrostatic precipitator; revised opacity standard; improved compliance monitoring methods)
- Improved capture of particulate emissions to increase the amount of PM_{2.5} ducted to control devices, and to minimize the amount of PM_{2.5} emitted to the atmosphere, for example, through roof monitors
- New or upgraded emission controls for PM_{2.5} precursors at stationary sources (e.g., SO₂ controls such as wet or dry scrubbers, or reduced sulfur content in fuel; desulfurization of coke oven gas at coke ovens; improved sulfur recovery at refineries; increasing the recovery efficiency at sulfuric acid plants)
- Energy efficiency measures to reduce fuel consumption and associated pollutant emissions (either from local sources or distant power providers)
- Measures to reduce fugitive dust from industrial sites

Mobile source measures

- Onroad diesel engine retrofits for school buses,³⁴ trucks and transit buses using EPA-verified technologies
- Nonroad diesel engine retrofit, rebuild or replacement, with catalyzed particle filter³⁵
- Diesel idling programs for trucks, locomotive, and other mobile sources³⁶
- Transportation control measures (including those listed in section 108(f) of the CAA as well as other TCMs), as well as other transportation demand management and transportation systems management strategies³⁷
- Programs to reduce emissions or accelerate retirement of high emitting vehicles, boats, and lawn and garden equipment
- Emissions testing and repair/maintenance programs for onroad vehicles
- Emissions testing and repair/maintenance programs for nonroad heavy-duty vehicles and equipment³⁸
- Programs to expand use of clean burning fuels³⁹
- Low emissions specifications for equipment or fuel used for large construction contracts, industrial facilities, ship yards, airports, and public or private vehicle fleets

- Opacity or other emissions standards for “gross-emitting” diesel equipment or vessels

Area source measures

- New open burning regulations and/or measures to improve program effectiveness such as programs to reduce or eliminate burning of land clearing vegetation
- Programs to reduce emissions from woodstoves and fireplaces including outreach programs, curtailments during days with expected high ambient levels of PM_{2.5}, and programs to encourage replacement of woodstoves when houses are sold
- Controls on emissions from charbroiling or other commercial cooking operations
- Reduced solvent usage or solvent substitution (particularly for organic compounds with 7 carbon atoms or more, such as toluene, xylene, and trimethyl benzene)

Category-Specific Guidelines on innovative approaches.

The EPA has issued a number of category specific guidelines on approaches to taking into account innovative approaches to emissions reductions for purposes of SIPs. Categories currently covered by these guidelines include: (1) Electric-sector Energy Efficiency and Renewable Energy

Measures (2) Long Duration Switch Yard Locomotive Idling (3) Long Duration Truck Idling (4) Clean Diesel Combustion Technology (5) Commuter Choice Programs. See http://www.epa.gov/ttn/airinnovations/measure_specific.html

³⁴ See Clean School Bus USA program at <http://www.epa.gov/cleanschoolbus/>. See also: What You Should Know About Diesel Exhaust and School Bus Idling", (June 2003, EPA420-F-03-021) at <http://www.epa.gov/otaq/retrofit/documents/f03021.pdf>.

³⁵ See EPA’s voluntary diesel retrofit program web site at <http://www.epa.gov/otaq/retrofit/overfleetowner.htm>.

³⁶ See EPA’s voluntary diesel retrofit program web site at <http://www.epa.gov/otaq/retrofit/idling.htm>.

³⁷ See EPA’s website on transportation control measures at <http://www.epa.gov/otaq/transp/traqtcms.htm>.

³⁸ See EPA’s web site on nonroad engines, equipment, and vehicles at <http://www.epa.gov/otaq/nonroad.htm>.

³⁹ Fuels adopted in SIPs must be consistent with the Energy Policy Act of 2005 and EPA guidance on SIP-approved boutique fuels at 71 FR 78192 (December 28, 2006).