

**APPENDIX E - CONTROL STRATEGIES CONTAINED IN MODEL RUN 5 OF THE
OZONE TRANSPORT ASSESSMENT GROUP**

UTILITY

Mandated CAA controls

- * Acid Rain Controls (Phase 1 & 2 for all boiler types)
- * RACT & NSR in nonattainment areas (NAAs) without waivers

Additional controls

- * OTC NOx MOU (Phase II)
- * 85 percent reduction from 1990 rate or rate-base of 0.15 lb/mmbtu for all units, whichever is less stringent

NON-UTILITY POINT SOURCES

Mandated CAA controls

- * RACT at major sources in NAAs without waivers
- * 250 Ton PSD and NSPS (**not modeled**)
- * NSR in NAAs without waivers (**not modeled**)
- * CTG & Non-CTG RACT at major sources in NAAs & throughout OTC
- * New Source LAER & Offsets for NAAs (**not modeled**)
- * "9 percent by 99" ROP Measures (VOC or NOx) for serious and above areas

Additional controls

- * NOx Controls based on cost per ton of reduction (< \$1,000 per ton) - primarily LNB technology

NONROAD MOBILE

Mandated CAA controls

- * Federal Phase II Small Engine Standards
- * Federal Marine Engine Standards
- * Federal HDV (>=50 hp) Standards-Phase 1
- * Federal RFG II (statutory and opt-in areas)
- * 9.0 RVP maximum elsewhere in OTAG
- * "9 percent by 99" ROP Measures (VOC or NOx) for serious and above areas

Additional Controls

- * Federal Locomotive Standards (including rebuilds)

- * HD Engine 4gm Standard

HIGHWAY MOBILE

Mandated CAA controls

- * Tier 1 light-duty and heavy-duty Standards
- * Federal reformulated gas (RFG II) (statutory and opt-in areas)
- * High Enhanced I/M (serious and above areas)
- * Low Enhanced I/M for rest of OTR
- * Basic I/M (mandated areas)
- * Clean Fuel Fleets (mandated areas)
- * 9.0 RVP maximum elsewhere in OTAG
- * On board vapor recovery

Additional Controls

- * National LEV
- * Heavy Duty Vehicle 2 gm Standard
- * Federal Test Procedure (FTP) revisions
- * "9 percent by 99" ROP Measures (if substitute for VOC) in serious and above areas

OTHER AREA SOURCE CONTROLS

Mandated CAA controls

- * Two Phases of Consumer & Commercial Products & One Phase of Architectural Coatings
- * Stage 1 & 2 Petroleum Distribution Controls-NAAs
- * Autobody, Degreasing & Dry Cleaning Controls in NAAs
- * "9 percent by 99" ROP Measures (VOC or NOx)(serious and above areas)