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)