Transport Rule Final

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Emissions Inventory Final Rule Technical Support Document (TSD)

Appendices

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Appendix A: Revisions to 2005 Inventories from Version 4 to Version 4.2

This Appendix provides details on some of the changes made between the inventories used for versions 4 and 4.2 of the modeling platform. Table A-1 provides information about facilities that had one or more units moved from the non-EGU (ptnonipm) to the EGU (ptipm) inventory in version 4.2. This prevents double-counting of EGU emissions in future years, when IPM estimates are used for EGUs. Table A-2 provides information about facilities that had one or more units closed between versions 4 and 4.2 of the modeling platform. Table A-3 provides information on updates to the nonpoint inventories that were implemented in response to comments, including: i) replacing Delaware fuel combustion, residential wood burning, and open burning, ii) removing South Carolina residual oil emissions from industrial boilers, iii) replacing Nebraska industrial fuel combustion emissions with those from the 2005 Central Regional Air Planning Association (CENRAP) dataset, and iv) updating diesel fuel commercial marine vessel emissions in Delaware.

Table A-1. Facilities with one More Units Moved from the non-EGU to the EGU Inventory

State	Plant Name	FIPS	Plant ID
California	AESPLACERITA INC	06037	19102642676
Florida	WALT DISNEY WORLD COMPANY	12095	0950111
Georgia	Effingham County Power, LLC	13103	10300012
Georgia	McIntosh Combined-Cyc	13103	10300014
Illinois	PPL University Park LLC	17197	197899AAC
Indiana	PSEQ LAWRENCEBURG ENERGYFACILTY	18029	00033
Indiana	LAWRENCE GENERATING STATION	18093	00028
Kentucky	Riverside Generating Co LLC	21127	00040
Kentucky	KENTUCKY UTILITIES COMPANY EWBROWN STAT	21167	2116700001
Louisiana	PPG INDUSTRIES INC / LAKE CHARLES COMPLEX	22019	05200004
Louisiana	AEPCORP / VENTURES LEASE CO / PLAQUE MINECO	22047	12800096
Louisiana	Taft Cogeneration Facility	22089	25200007
Michigan	FIRST ENERGY CORP	26163	M4854
Minnesota	NSP dba Xcel Energy - Inver Hills	27037	2703700015
Minnesota	Hutchinson Utilities Commission -Plant	27085	2708500002
Minnesota	Lakefield Junction Station	27091	2709100058
Minnesota	Great River Energy - Pleasant Valley	27099	2709900048
Minnesota	LSP Cottage Grove Cogeneration Facility	27163	2716300087
New Jersey	COASTAL EAGLE POINT OIL COMPANY	34015	55781
Ohio	CLEVELAND ELECTRIC ILLUMINATING CO., ASH	39007	0204010000
Ohio	Madison	39017	1409000896
Ohio	Dicks Creek	39017	1409010078
Ohio	AMPO Galion	39033	0317030060
Ohio	AMPO Napoleon	39069	0335010056
Ohio	Hanging Rock Energy Facility	39087	0744000150
Ohio	Darby Electric Generating Station	39129	0165000132
Ohio	Robert P Mone Plant	39161	0381000043
Ohio	Rolling Hills Generating	39163	0682000057
Ohio	Duke Washington Energy	39167	0684000212
Ohio	Waterford Plant	39167	0684000213
Ohio	Troy Energy, LLC	39173	0387000377
Ohio	AMPO Bowling Green	39173	0387020374
Ohio	OMEGA Bowling Green Peaking	39173	0387020378
Pennsylvania	CINCINNATI GAS & ELEC / FAYETTE FAC	42051	420510122
Virginia	Buchanan Generation	51027	00148
Virginia	ODEC MARSH RUN	51061	00063

Virginia	Tensaska	51065	00021
Virginia	Darby Town	51087	00156
Virginia	Old Dominion Electric Cooperative Louisa	51109	00050

Table A-2. Facilities with one More Units Closed

State	Plant Name	FIPS	Plant ID
Florida	CARGILL FERTILIZER INC	12105	1050048
Georgia	INLAND PAPERBOARD & PACKAGING INC	13115	11500021
Georgia	Lafarge N.A.	13121	12100401
Georgia	MoHawk Industries – South Hamilton Stree	13313	31300087
Illinois	PPL University Park LLC*	17197	197899AAB
Indiana	AUBURN FOUNDRY PLANT1	18033	00002
Indiana	Indianapolis RRF	18097	LMWC-22
Kentucky	Riverside Generating Co LLC*	21127	2112700040
Louisiana	SOUTH LA SUGARS COOP / GLENWOOD FACTORY	22007	0007
Louisiana	IBERIA SUGAR COOPERATIVE INC	22045	0006
Louisiana	JEANERETTE SUGAR CO INC	22045	0057
Louisiana	GEORGIAPACIFIC / URANIA	22059	0001
Louisiana	ENTERPRISE GAS PROC LLC / TOCA PLANT	22087	0017
New York	Iskilar Brick Inc	36001	BSCP177NR
Maine	REGIONAL WASTE SYSTEMS INC	23005	LMWC-23
New Hampshire	WHEELABRATOR CONCORD COMPANY LP	33013	LMWC-40
Ohio	CLEVELAND ELECTRIC ILLUMINATINGCO., ASH*	39007	0204010000
Ohio	EDGEWATER PLANT	39093	0247080049
West Virginia	FMC CORPORATION - STEAMPLANT	54039	0002
West Virginia	FLEXSYS AMERICA LP	54079	0001

* Units were removed from the EGU inventory and replaced with matching units from the non-EGU inventory

Table A-3. Changes to the Nonpoint Inventory as a Result of Transport Rule Comments

	Sector	Pollutantutant	2005cs (v4.2)	2012cs (v4.2)	2014cs (v4.2)	2005ck (v4)	2012ck (v4)	2014ck2 (v4)	2012cs - 2005cs	2014cs - 2012cs	2012cs - 2012ck	2014cs - 2014ck2
Delaware	Nonpoint	SO2	1,030	1,028	1,024	5,859	5,858	5,857	-1	-5	-4,829	-4,834
Delaware	Loc-marine	SO2	267	110	109	1,215	622	129	-157	-1	-512	-20
Delaware	Nonpoint	NOx	2,274	2,255	2,194	3,259	3,248	3,245	-19	-62	-993	-1,051
Delwaware	Loco-marine	NOx	2,956	3,298	3,395	5,158	4,516	4,148	342	97	-1,218	-754
Nebraska	Nonpoint	SO2	7,659	7,655	7,615	29,575	29,571	29,570	-4	-40	-21,916	-21,955
Nebraska	Nonpoint	NOx	14,749	14,572	14,117	13,820	13,788	13,779	-177	-455	784	339
South Carolina	Nonpoint	SO2	13,489	13,478	13,275	30,016	30,005	30,002	-11	-203	-16,527	-16,727
South Carolina	Nonpoint	NOx	17,706	17,634	17,433	20,281	20,273	20,271	-72	-200	-2,639	-2,837

Appendix B: Ancillary Input Data and Parameter Differences between 2005 and Future-year Scenarios

Table B-1 documents the ancillary input datasets and versions used for the 2005 base case and the future-year cases. The datasets are referenced by name and version number. For example, 'afdust_2002ad_xportfrac [v0]' corresponds to version 0 of the dataset named afdust_2002ad_xportfrac. The files released for the v4.2 platform are named using the convention: *dataset_name_changedate_*v*version#*.txt. The folders / subdirectories in which the files are located vary based on the type of data, although many of the ancillary datasets can be found beneath the ge_dat subdirectory.

Note that the remedy case is not listed in Table B-1 because it has the same settings as the 2014cs_05b case, except for the inventory datasets for the ptipm sector, as shown in Appendix C. The inputs that change between base and future years have an 'F' (for False) in the Match columns, while those that do not change have a 'T' (for True) in the Match column. The contents of Table B-1 reveal that the ancillary input data in the future-year scenarios are very similar to those used in the 2005 base case except for the speciation profiles and cross references used for gasoline-related sources, which change in the future to account for increased ethanol usage in gasoline. Other datasets that changed between the cases are the following:

- Grid Description List: the version of this dataset changed because additional grids were added for other projects. This change does not impact the results of the modeling.
- List of sectors for mrggrid: This dataset controls the reuse of data between runs (for example the biogenic emissions for 2005 are reused in all future years). It is standard practice to develop a separate list of sectors for each case, as is shown here.
- Onroad temperature adjustments: The dataset used here changes because the temperature adjustments for PM emissions in 2014 are not the same as those needed for the earlier years.

Table B-2 provides configuration settings for various SMOKE programs. Note that the values of these settings are the same for all four cases, so the values are only listed once.

Table B-1. Datasets and Versions used for the Transport Rule Final Cases

Input Name	Program	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b
BEIS3 emission factors	Tmpbeis3	T	beis3_efac_v3.14 [v0]	beis3_efac_v3.14 [v0]	beis3_efac_v3.14 [v0]
Biogenic gridding surrogate for reports 12EUS1	Smkmerge	T	bgpro_12EUS1 (/orchid/share) [v0]	copied from 2005	copied from 2005
Biogenic gridding surrogate for reports 36US1	Smkmerge	T	bgpro_36US1 (/orchid/share) [v0]	copied from 2005	copied from 2005
Biogenic land use, file A, 12EUS1	Normbeis3	T	LANDA_EUS12_279X240 [v0]	copied from 2005	copied from 2005
Biogenic land use, file A, 36US1	Normbeis3	T	LANDA_US36_148X112 [v0]	copied from 2005	copied from 2005
Biogenic land use, file B, 12EUS1	Normbeis3	T	LANDB_EUS12_279X240 [v0]	copied from 2005	copied from 2005
Biogenic land use, file B, 36US1	Normbeis3	T	LANDB_US36_148X112 [v0]	copied from 2005	copied from 2005
Biogenic land use, totals, 12EUS1	Normbeis3	T	LAND_TOTALS_EUS12_279X240 [v0]	copied from 2005	copied from 2005
Biogenic land use, totals, 36US1	Normbeis3	T	LAND_TOTALS_US36_148X112 [v0]	copied from 2005	copied from 2005
Bioseasons file 12EUS1	Tmpbeis3	T	bioseason.cmaq.2005b_12km [v0]	copied from 2005	copied from 2005
Bioseasons file 36US1 mcip v3.4 beta4 b	Tmpbeis3	T	bioseason.cmaq.2005b_36km [v0]	copied from 2005	copied from 2005
Combination profiles base year	Spcmat	F	gspro_combo_2005 [v2]		
Combination profiles for nonpt future	Spcmat	F		gspro_combo_2022aeo2_nonroadrfl_stationary [v2]	gspro_combo_2022aeo2_nonroadrfl_stationary [v2]
Combination profiles for nonroad exh-evp future	Spcmat	F		gspro_combo_2022aeo2_nonroad_exhevp [v0]	gspro_combo_2022aeo2_nonroad_exhevp [v0]
Combination profiles for nonroad rfl future	Spcmat	F		gspro_combo_2022aeo2_nonroadrfl_stationary [v2]	gspro_combo_2022aeo2_nonroadrfl_stationary [v2]
Combination profiles for onroad future	Spcmat	F		gspro_combo_2012_onroad_exhevp [v1]	gspro_combo_2012_onroad_exhevp [v1]
Combination profiles for ptnonipm future	Spcmat	F		gspro_combo_2022aeo2_nonroadrfl_stationary [v2]	gspro_combo_2022aeo2_nonroadrfl_stationary [v2]

Elevation Configuration File for Point Sources	Laypoint	T	pelvconfig_inline_allpts [v1]	pelvconfig_inline_allpts [v1]	pelvconfig_inline_allpts [v1]
Elevation Configuration File for seca_c3 sector	Laypoint	T	pelvconfig_seca_c3 [v1]	pelvconfig_seca_c3 [v1]	pelvconfig_seca_c3 [v1]
emf job header	All programs	T	emf_jobheader_generic [v0]	emf_jobheader_generic [v0]	emf_jobheader_generic [v0]
Grid Description List	Grdmat	F	griddesc_lambertonly [v26]	griddesc_lambertonly [v33]	griddesc_lambertonly [v33]
Gridding surrogates CAN-MEX 12km	Grdmat	T	Canada_12km_revised [v0]	Canada_12km_revised [v0]	Canada_12km_revised [v0]
Gridding surrogates CAN-MEX 36km	Grdmat	T	Canada_36km_revised [v0]	Canada_36km_revised [v0]	Canada_36km_revised [v0]
Gridding surrogates USA 12km	Grdmat	T	USA-CAN-MEX_12km [v0]	USA-CAN-MEX_12km [v0]	USA-CAN-MEX_12km [v0]
Gridding surrogates USA 36km	Grdmat	T	USA-CAN-MEX_36km [v0]	USA-CAN-MEX_36km [v0]	USA-CAN-MEX_36km [v0]
GSCNV - pollutant to pollutant conversions	Spcmat	T	gscnv_cmaq_cb05_tx_pf4 [v3]	gscnv_cmaq_cb05_tx_pf4 [v3]	gscnv_cmaq_cb05_tx_pf4 [v3]
GSCNV - pollutant to pollutant conversions 8762/8763 toxics	Spcmat	T	gscnv_cmaq_cb05_hspace_toxic [v0]	gscnv_cmaq_cb05_hspace_toxic [v0]	gscnv_cmaq_cb05_hspace_toxic [v0]
GSCNV - pollutant to pollutant conversions for 8762/8763 BAF	Spcmat	T	gscnv_cmaq_cb05_hspace_BAF [v0]	gscnv_cmaq_cb05_hspace_BAF [v0]	gscnv_cmaq_cb05_hspace_BAF [v0]
GSPRO speciated 8762/8763 BAF	Spcmat	T	gspro_cmaq_cb05_hspace_BAF [v1]	gspro_cmaq_cb05_hspace_BAF [v1]	gspro_cmaq_cb05_hspace_BAF [v1]
GSPRO speciated 8762/8763 NONHAPTOG	Spcmat	T	gspro_cmaq_cb05_hspace_toxic [v0]	gspro_cmaq_cb05_hspace_toxic [v0]	gspro_cmaq_cb05_hspace_toxic [v0]
GSPRO speciated 8762/8763 TOG	Spcmat	T	gspro_cmaq_cb05_hspace_nontoxic [v0]	gspro_cmaq_cb05_hspace_nontoxic [v0]	gspro_cmaq_cb05_hspace_nontoxic [v0]
GSPRO speciated MOVES PM	Spcmat	T	gspro_speciated_pm [v3]	gspro_speciated_pm [v3]	gspro_speciated_pm [v3]
GSREF speciated PM	Spcmat	T	gsref_speciated_pm [v2]	gsref_speciated_pm [v2]	gsref_speciated_pm [v2]
Holidays table	Temporal	T	holidays [v0]	holidays [v0]	holidays [v0]
List of sectors for mrggrid	Mrggrid	F	sectorlist_2005cs_05b [v4]	sectorlist_2012cs_05b [v0]	sectorlist_2014cs_05b [v0]

MACT Description	Smkreport	T	mactdesc_2002v3 [v1]	mactdesc_2002v3 [v1]	mactdesc_2002v3 [v1]
NAICS descriptions	Smkreport	T	naicsdesc [v0]	naicsdesc [v0]	naicsdesc [v0]
nonpoint & nonroad surrogate xref	Grdmat	T	amgref_us_can_mex_revised [v10]	amgref_us_can_mex_revised [v10]	amgref_us_can_mex_revised [v10]
onroad surrogate xref default	Grdmat	T	amgref_us_can_mex_revised [v10]	amgref_us_can_mex_revised [v10]	amgref_us_can_mex_revised [v10]
Onroad temperature adjustments	All programs for sector	F	MOVESPmOcEcTempAdjFactors 2005 [v1]	MOVESPmOcEcTempAdjFactors 2005 [v1]	MOVESPmOcEcTempAdjFactors_2014_JAN2010 [v1]
SIC descriptions	Smkreport	T	sic_desc [v0]	sic_desc [v0]	sic_desc [v0]
Smkmerge representative dates files	Run script	T	merge_dates_2005 [v0]	merge_dates_2005 [v0]	merge_dates_2005 [v0]
Speciation profiles Canada PM	Spcmat	T	gspro_pm25_canada_2006_point [v0]	gspro_pm25_canada_2006_point [v0]	gspro_pm25_canada_2006_point [v0]
Speciation profiles for biogenics	Spcmat	T	gspro_biogenics [v1]	gspro_biogenics [v1]	gspro_biogenics [v1]
Speciation profiles for HG	Spcmat	T	gspro_hg [v2]	gspro_hg [v2]	gspro_hg [v2]
Speciation profiles for INTEGRATE HAPS	Spcmat	T	gspro_integratehaps_cb05_tx_pf4 [v1]	gspro_integratehaps_cb05_tx_pf4 [v1]	gspro_integratehaps_cb05_tx_pf4 [v1]
Speciation profiles for NONHAPTOG	Spcmat	T	gspro_nonhaptog_cb05_tx_pf4_pretier2 [v1]	gspro_nonhaptog_cb05_tx_pf4_pretier2 [v1]	gspro_nonhaptog_cb05_tx_pf4_pretier2 [v1]
Speciation profiles for NONHAPTOG - tier 2 mobile profiles for future only	Spcmat	T		gspro_cmaq_cb05_tier2_toxic [v0]	gspro_cmaq_cb05_tier2_toxic [v0]
Speciation profiles for NOX	Spcmat	T	gspro_nox_hono_pf4 [v0]	gspro_nox_hono_pf4 [v0]	gspro_nox_hono_pf4 [v0]
Speciation profiles for PM2.5	Spcmat	T	gspro_pm25 [v2]	gspro_pm25 [v2]	gspro_pm25 [v2]
Speciation profiles for SO2-SULF	Spcmat	T	gspro_sulf [v1]	gspro_sulf [v1]	gspro_sulf [v1]
Speciation profiles for TOG	Spcmat	T	gspro_tog_cb05_soa_pf4_pretier2 [v1]	gspro_tog_cb05_soa_pf4_pretier2 [v1]	gspro_tog_cb05_soa_pf4_pretier2 [v1]
Speciation profiles for TOGBAF - tier 2 mobile profiles used for future year only	Spcmat	F		gspro_cmaq_cb05_tier2_BAF [v2]	gspro_cmaq_cb05_tier2_BAF [v2]
Speciation profiles for TOG -noBAF- tier 2 mobile profiles used for future year only	Spcmat	F		gspro_cmaq_cb05_tier2_nontoxic [v1]	gspro_cmaq_cb05_tier2_nontoxic [v1]
Speciation profiles speciated VOC	Spcmat	T	gspro_speciated_voc [v0]	gspro_speciated_voc [v0]	gspro_speciated_voc [v0]
Speciation profiles static	Spcmat	T	gspro_static_cmaq [v9]	gspro_static_cmaq [v9]	gspro_static_cmaq [v9]

Speciation xref CAP static	Spcmat	T	gsref_static_cap_pf4 [v0]	gsref_static_cap_pf4 [v0]	gsref_static_cap_pf4 [v0]
Speciation xref for Canada PM	Spcmat	T	gsref_pm25_canada_2006_point [v3]	gsref_pm25_canada_2006_point [v3]	gsref_pm25_canada_2006_point [v3]
Speciation xref for Integrate-HAPs static	Spcmat	T	gsref_static_integratehap_emv4 [v2]	gsref_static_integratehap_emv4 [v2]	gsref_static_integratehap_emv4 [v2]
Speciation xref for NONHAPVOC, not year-specific	Spcmat	F	gsref_nonhapvoc_general_ldghg_cr_update [v6]		
Speciation xref for NONHAPVOC, not year-specific	Spcmat	F		gsref_nonhapvoc_general_ldghg_cr_update [v6]	gsref_nonhapvoc_general_ldghg_cr_update [v6]
Speciation xref for NONHAPVOC, year-specific	Spcmat	F	gsref_nonhapvoc_2005_ldghg_cr_update [v6]		
Speciation xref for NONHAPVOC, year-specific, mobile records	Spcmat	F		gsref_nonhapvoc_future_cr_mobile [v1]	gsref_nonhapvoc_future_cr_mobile [v1]
Speciation xref for NONHAPVOC, year-specific, stationary records	Spcmat	F		gsref_nonhapvoc_future_cr_nomobile [v1]	gsref_nonhapvoc_future_cr_nomobile [v1]
Speciation xref for PM2.5 diesel SCCs but do not produce diesel	Spcmat	T	gsref_no_dieselpm [v3]	gsref_no_dieselpm [v3]	gsref_no_dieselpm [v3]
Speciation xref for PM2.5 non-diesel SCCs	Spcmat	T	gsref_pm25_pf4_nondiesel [v13]	gsref_pm25_pf4_nondiesel [v13]	gsref_pm25_pf4_nondiesel [v13]
Speciation xref for SO2-SULF	Spcmat	T	gsref_sulf [v0]	gsref_sulf [v0]	gsref_sulf [v0]
Speciation xref for speciated VOC	Spcmat	T	gsref_speciated_voc [v1]	gsref_speciated_voc [v1]	gsref_speciated_voc [v1]
Speciation xref for VOC, not year-specific	Spcmat	T	gsref_voc_general_ldghg [v6]	gsref_voc_general_ldghg [v6]	gsref_voc_general_ldghg [v6]
Speciation xref for VOC, year-specific	Spcmat	F	gsref_voc_2005_ldghg [v5]		
Speciation xref for VOC, year-specific, mobile records	Spcmat	F		gsref_voc_future_cr_mobile [v1]	gsref_voc_future_cr_mobile [v1]
Speciation xref for VOC, year-specific, stationary records	Spcmat	F		gsref_voc_future_cr_nomobile [v1]	gsref_voc_future_cr_nomobile [v1]
Speciation xref HG	Spcmat	T	gsref_hg [v8]	gsref_hg [v8]	gsref_hg [v8]
Speciation xref static NOX -- HONO for mobile sources	Spcmat	T	gsref_static_nox_hono_pf4 [v6]	gsref_static_nox_hono_pf4 [v6]	gsref_static_nox_hono_pf4 [v6]

surrogate descriptions (works for all grids)	Grdmat	T	srgdesc_36km_revised [v1]	srgdesc_36km_revised [v1]	srgdesc_36km_revised [v1]
surrogate descriptions (works for all grids)	Grdmat	T	srgdesc_12km [v2]	srgdesc_12km [v2]	srgdesc_12km [v2]
surrogate descriptions (works for all grids)	Grdmat	T	srgdesc_36km_revised [v1]	srgdesc_36km_revised [v1]	srgdesc_36km_revised [v1]
Temporal profiles, all nonpoint and nonroad	Temporal	T	amptpro_2005_us_can_revised [v2]	amptpro_2005_us_can_revised [v2]	amptpro_2005_us_can_revised [v2]
Temporal profiles, all point	Temporal	T	amptpro_2005_us_can_revised [v2]	amptpro_2005_us_can_revised [v2]	amptpro_2005_us_can_revised [v2]
Temporal profiles, onroad default	Temporal	T	amptpro_2005_us_can_revised [v2]	amptpro_2005_us_can_revised [v2]	amptpro_2005_us_can_revised [v2]
Temporal xref, all nonpoint and nonroad	Temporal	T	amptref_v3_3_revised [v11]	amptref_v3_3_revised [v11]	amptref_v3_3_revised [v11]
Temporal xref, onroad mobile default	Temporal	T	amptref_v3_3_revised [v11]	amptref_v3_3_revised [v11]	amptref_v3_3_revised [v11]
Temporal xref, othpt	Temporal	T	ptref_othpt [v4]	ptref_othpt [v4]	ptref_othpt [v4]
Temporal xref, point default	Temporal	T	amptref_v3_3_revised [v11]	amptref_v3_3_revised [v11]	amptref_v3_3_revised [v11]
Temporal xref, ptipm only	Temporal	T	ptref_ptipm_us [v0]	ptref_ptipm_us [v0]	ptref_ptipm_us [v0]

Table B-2. Parameter Settings for All Transport Rule Final Cases

Parameter Name	Environment Variable	Sector	Program	Value
Archive sectors from older cases	ARCHIVE_ALL_SECTORS	asm_backup	Run script	N
BEIS3 version	BEIS3_VERSION	beis	Run script	3.14
Biogenics land area surrogate	AREA_SURROGATE_NUM	beis	Smkmerge	340
Check for duplicate sources	RAW_DUP_CHECK		Smkinven	Y
Check for duplicate sources	RAW_DUP_CHECK	othar	Smkinven	N
Check for duplicate sources	RAW_DUP_CHECK	othon	Smkinven	N
Check for duplicate sources	RAW_DUP_CHECK	othpt	Smkinven	N
Check for duplicate sources	RAW_DUP_CHECK	othpt_hg	Smkinven	N
Check for duplicate sources	RAW_DUP_CHECK	ptfire	Smkinven	N
Check for duplicate sources	RAW_DUP_CHECK	ptipm	Smkinven	N
Check for duplicate sources	RAW_DUP_CHECK	ptnonipm	Smkinven	N
Check stack parameters for missing	CHECK_STACKS_YN	ptfire	Smkinven	N
Convective rainfall variable for Pleim-Xiu	RC_VAR	beis	Tmpbeis3	RC
Count of underscores for Daily data prefix	NAMEBREAK_DAILY	ptipm	Run script	8
Default surrogate code	SMK_DEFAULT_SRGID		Grdmat	100
Default surrogate code	SMK_DEFAULT_SRGID	afdust	Grdmat	340
Don't use day-specific emission	DAY_SPECIFIC_YN	ptipm	Smkinven	N
EGU daily type	EGU_TYPE		Run script	model_performance
Fill annual values	FILL_ANNUAL		Smkinven	N
Fill annual values	FILL_ANNUAL	nonroad	Smkinven	Y
Fill annual values	FILL_ANNUAL	on_moves_runpm	Smkinven	Y
Fill annual values	FILL_ANNUAL	on_moves_startpm	Smkinven	Y
Fill annual values	FILL_ANNUAL	on_noadj	Smkinven	Y
Fire-specific plume rise calculations	FIRE_PLUME_YN	ptfire	Laypoint	Y
Formula for Smkinven	SMKINVEN_FORMULA		Smkinven	PMC=PM10-PM2_5
Formula for Smkinven	SMKINVEN_FORMULA	nonroad	Smkinven	EXH__PMC=EXH__PM10-EXH__PM2_5
Formula for Smkinven	SMKINVEN_FORMULA	on_noadj	Smkinven	EXH__PMC=EXH__PM10-EXH__PM2_5; BRK__PMC=BRK__PM10-BRK__PM2_5;

				TIR__PMC=TIR__PM10-TIR__PM2_5
Grid abbreviation, grid 1	GRID_1		All programs	36US1
I/O API grid name, grid 1	IOAPI_GRIDNAME_1		All programs	36US1_148X112
I/O API Sphere type	IOAPI_ISPH		Grdmat	19
Include market penetration	MRG_MARKETPEN_YN		Smkmerge	N
Laypoint uses Elevpoint to set sources for plume rise calc	SMK_SPECELEV_YN		Laypoint	Y
Match full SCCs	FULLSCC_ONLY		All programs	Y
Maximum errors printed	SMK_MAXERROR		All programs	10000
Maximum warnings printed	SMK_MAXWARNING		All programs	10
MCIP name abbreviation	MCIPNAME		All programs	MCIP_v3.4beta4
Merge by day	MRG_BYDAY	othpt	Smkmerge	P
Merge by day	MRG_BYDAY	othpt_hg	Smkmerge	P
Merge by day	MRG_BYDAY	ptnonipm	Smkmerge	P
Merge by day	MRG_BYDAY	seca_c3	Smkmerge	P
Merge type	M_TYPE		Run script	mwdss
Merge type	M_TYPE	afdust	Run script	week
Merge type	M_TYPE	ag	Run script	aveday
Merge type	M_TYPE	avefire	Run script	aveday
Merge type	M_TYPE	beis	Run script	all
Merge type	M_TYPE	nonptfire	Run script	aveday
Merge type	M_TYPE	on_moves_runpm	Run script	week
Merge type	M_TYPE	on_moves_startpm	Run script	week
Merge type	M_TYPE	on_noadj	Run script	week
Merge type	M_TYPE	othon	Run script	week
Merge type	M_TYPE	othpt	Run script	mwdss

Merge type	M_TYPE	othpt_hg	Run script	mwdss
Merge type	M_TYPE	ptfire	Run script	all
Merge type	M_TYPE	ptipm	Run script	all
Merge type	M_TYPE	ptnonipm	Run script	mwdss
Merge type	M_TYPE	seca_c3	Run script	aveday
Model output format	OUTPUT_FORMAT		Run script	$EMF_AQM
Nonhap Type	NONHAP_TYPE	alm_no_c3	All for sector	VOC
Nonhap Type	NONHAP_TYPE	avefire	All for sector	VOC
Nonhap Type	NONHAP_TYPE	nonpt	All for sector	VOC
Nonhap Type	NONHAP_TYPE	nonroad	All for sector	VOC
Nonhap Type	NONHAP_TYPE	on_noadj	All for sector	VOC
Nonhap Type	NONHAP_TYPE	ptnonipm	All for sector	VOC
Nonhap Type	NONHAP_TYPE	seca_c3	All for sector	VOC
Number of emissions layers	SMK_EMLAYS		All programs	10
Output county biogenic totals	BIO_COUNTY_SUMS	beis	Run script	Y
Output county totals	MRG_REPCNY_YN		Smkmerge	N
Output state biogenic totals	BIO_STATE_SUMS	beis	Run script	Y
Output state totals	MRG_REPSTA_YN		Smkmerge	Y
Output time zone	OUTZONE		All programs	0
Platform name	PLATFORM		All programs	v4
Pleim-Xiu land surface used?	PX_VERSION	beis	Tmpbeis3	Y
Plume-in-grid method	SMK_PING_METHOD		All for sector	0
Pressure variable name	PRES_VAR	beis	Tmpbeis3	PRSFC

Radiation/cloud variable name	RAD_VAR	beis	Tmpbeis3	RGRND
Run holidays	RUN_HOLIDAYS		Run script	Y
Run holidays	RUN_HOLIDAYS	afdust	Run script	Y
Run holidays	RUN_HOLIDAYS	ag	Run script	N
Run holidays	RUN_HOLIDAYS	alm_no_c3	Run script	N
Run holidays	RUN_HOLIDAYS	avefire	Run script	N
Run holidays	RUN_HOLIDAYS	nonptfire	Run script	N
Run holidays	RUN_HOLIDAYS	othar	Run script	N
Run holidays	RUN_HOLIDAYS	othar_hg	Run script	N
Run holidays	RUN_HOLIDAYS	othon	Run script	N
Run holidays	RUN_HOLIDAYS	othpt	Run script	N
Run holidays	RUN_HOLIDAYS	othpt_hg	Run script	N
Run holidays	RUN_HOLIDAYS	seca_c3	Run script	N
Run in inline mode	INLINE_MODE		Run script	both
Run in inline mode SECA_C3	INLINE_MODE	seca_c3	Run script	only
Run script for Smkmerge annual totals	RUN_PYTHON_ANNUAL		Run script	Y
Soil moisture variable for Pleim-Xiu	SOIM1_VAR	beis	Tmpbeis3	SOIM1
Soil temperature variable for Pleim-Xiu	SOILT_VAR	beis	Tmpbeis3	SOIT1
Soil type variable for Pleim-Xiu	ISLTYP_VAR	beis	Tmpbeis3	SLTYP
Sort inventory EVs by letter	SORT_LIST_EVS	avefire	Run script	Y
Sort inventory EVs by letter	SORT_LIST_EVS	othpt	Run script	Y
Sort inventory EVs by letter	SORT_LIST_EVS	ptipm	Run script	Y
Speciation type name	SPC		All programs	$EMF_SPC
Spinup duration	REGION_SPINUP		Run script	3
Spinup duration	REGION_SPINUP		Run script	10
Temperature variable name	TMPR_VAR	beis	Tmpbeis3	TEMP2
Temporal type	L_TYPE		Run script	mwdss
Temporal type	L_TYPE	afdust	Run script	week
Temporal type	L_TYPE	ag	Run script	aveday
Temporal type	L_TYPE	avefire	Run script	aveday
Temporal type	L_TYPE	beis	Run script	all

Temporal type	L_TYPE	nonptfire	Run script	aveday
Temporal type	L_TYPE	on_moves_runpm	Run script	week
Temporal type	L_TYPE	on_moves_startpm	Run script	week
Temporal type	L_TYPE	on_noadj	Run script	week
Temporal type	L_TYPE	othon	Run script	week
Temporal type	L_TYPE	ptfire	Run script	all
Temporal type	L_TYPE	ptipm	Run script	all
Temporal type	L_TYPE	seca_c3	Run script	aveday
Use area-to-point	SMK_ARTOPNT_YN	alm_no_c3	Smkinven	Y
Use area-to-point	SMK_ARTOPNT_YN	nonpt	Smkinven	Y
Use area-to-point	SMK_ARTOPNT_YN	nonroad	Smkinven	Y
Use average day emissions	SMK_AVEDAY_YN		Smkinven	N
Use day-specific emission	DAY_SPECIFIC_YN	ptfire	Smkinven	Y
Use day-specific emission	DAY_SPECIFIC_YN	ptipm	Smkinven	Y
Use hourly plume rise data	HOURLY_FIRE_YN	ptfire	Laypoint	Y
Use pollutant conversion	POLLUTANT_CONVERSION		Spcmat	Y
Western hemisphere?	WEST_HSPHERE		Smkinven	Y
Write lat/lon to STACK_GROUPS	ELEV_WRITE_LATLON	othpt_hg	Elevpoint	N
Write zero emissions	WRITE_ANN_ZERO	ptfire	Smkinven	Y
Write zero emissions	WRITE_ANN_ZERO	ptipm	Smkinven	Y

Appendix C: SMOKE Input Inventory Data Files Used for each Transport Rule Modeling Case

Table C-1 provides a list of inventory datasets and supporting datasets used by the Smkinven program for all four Transport Rule Final cases: 2005cs_05b, 2012cs_05b, 2015cs_05b, and 2014cs_tr1remedy_05b. The datasets are referenced by name and version number. For example, 'afdust_2002ad_xportfrac [v0]' means version 0 of the dataset named afdust_2002ad_xportfrac. The files released for the v4.2 platform are named using the convention: *dataset_name_changedate_*v*version#*.txt. The folders / subdirectories in which the files are located vary based on the type of data, although many of the inventory datasets can be found beneath a subdirectory named for the case (e.g., 2012cs_05b), and then within a subdirectory for the sector (e.g., nonpt). In Table C-1, the value in the column 'Match' is T when the exact same dataset and version are used for all four cases, and 'F' otherwise.

Table C-1. Input Inventories and Supporting Datasets for Transport Rule Final Cases

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
Area-to-point data	T	artopnt_2002detroit [v0]	artopnt_2002detroit [v0]	artopnt_2002detroit [v0]	artopnt_2002detroit [v0]
CEM annually summed data	T	cemsum_ptipm_2005 (/orchid/share) [v0]	cemsum_ptipm_2005 (/orchid/share) [v0]	cemsum_ptipm_2005 (/orchid/share) [v0]	cemsum_ptipm_2005 (/orchid/share) [v0]
Country, State, County Information	F	costcy_for_2002 [v5]	costcy_for_2002 [v5]	costcy_for_2002 [v5]	costcy_for_2002 [v5]
Inventory afdust CAP	F	afdust_2002ad_xportfrac [v0]	afdust_2012cr [v0]	afdust_2014cr [v0]	afdust_2014cr [v0]
Inventory ag CAP	F	ag_cap2002nei [v0]	ag_cap2012cr [v0]	ag_cap2014cr [v0]	ag_cap2014cr [v0]
Inventory alm_no_c3 CAP	F	lm_no_c3_cap2002v3 [v1]	lm_no_c3_cap2012cs [v0]	lm_no_c3_cap2014cs [v0]	lm_no_c3_cap2014cs [v0]
Inventory alm_no_c3 HAP	F	lm_no_c3_hap2002v4 [v0]	lm_no_c3_hap2012cr [v0]	lm_no_c3_hap2014cs [v0]	lm_no_c3_hap2014cs [v0]
Inventory avefire CAP	T	avefire_2002ce [v0]	avefire_2002ce [v0]	avefire_2002ce [v0]	avefire_2002ce [v0]
Inventory avefire HAP	T	avefire_2002_hap [v0]	avefire_2002_hap [v0]	avefire_2002_hap [v0]	avefire_2002_hap [v0]
Inventory daily fires 01 jan, CAP/HAP	T	ptfire_jan_2005ag_tox_nonhapvoc [v0]	ptfire_jan_2005ag_tox_nonhapvoc [v0]	ptfire_jan_2005ag_tox_nonhapvoc [v0]	ptfire_jan_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 01 Jan, last day CAP/HAP	T	ptfire_dec_lastdayonly_2005ag_tox_nonhapvoc [v1]	ptfire_dec_lastdayonly_2005ag_tox_nonhapvoc [v1]	ptfire_dec_lastdayonly_2005ag_tox_nonhapvoc [v1]	ptfire_dec_lastdayonly_2005ag_tox_nonhapvoc [v1]
Inventory daily fires 02 Feb, CAP/HAP	T	ptfire_feb_2005ag_tox_nonhapvoc [v0]	ptfire_feb_2005ag_tox_nonhapvoc [v0]	ptfire_feb_2005ag_tox_nonhapvoc [v0]	ptfire_feb_2005ag_tox_nonhapvoc [v0]

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
Inventory daily fires 02 Feb, CAP/HAP last day	T	ptfire_jan_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_jan_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_jan_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_jan_lastdayonly_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 03 Mar, CAP/HAP	T	ptfire_mar_2005ag_tox_nonhapvoc [v0]	ptfire_mar_2005ag_tox_nonhapvoc [v0]	ptfire_mar_2005ag_tox_nonhapvoc [v0]	ptfire_mar_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 03 Mar, CAP/HAP last day	T	ptfire_feb_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_feb_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_feb_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_feb_lastdayonly_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 04 Apr, CAP/HAP	T	ptfire_apr_2005ag_tox_nonhapvoc [v0]	ptfire_apr_2005ag_tox_nonhapvoc [v0]	ptfire_apr_2005ag_tox_nonhapvoc [v0]	ptfire_apr_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 04 Apr, CAP/HAP last day	T	ptfire_mar_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_mar_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_mar_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_mar_lastdayonly_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 05 May, CAP/HAP	T	ptfire_may_2005ag_tox_nonhapvoc [v0]	ptfire_may_2005ag_tox_nonhapvoc [v0]	ptfire_may_2005ag_tox_nonhapvoc [v0]	ptfire_may_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 05 May, CAP/HAP last day	T	ptfire_apr_lastdayonly_2005ag_tox_nonhapvoc.txt [v0]	ptfire_apr_lastdayonly_2005ag_tox_nonhapvoc.txt [v0]	ptfire_apr_lastdayonly_2005ag_tox_nonhapvoc.txt [v0]	ptfire_apr_lastdayonly_2005ag_tox_nonhapvoc.txt [v0]
Inventory daily fires 06 Jun, CAP/HAP	T	ptfire_jun_2005ag_tox_nonhapvoc [v0]	ptfire_jun_2005ag_tox_nonhapvoc [v0]	ptfire_jun_2005ag_tox_nonhapvoc [v0]	ptfire_jun_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 06 Jun, CAP/HAP last day	T	ptfire_may_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_may_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_may_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_may_lastdayonly_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 07 Jul, CAP/HAP	T	ptfire_jul_2005ag_tox__nonhapvoc [v0]	ptfire_jul_2005ag_tox__nonhapvoc [v0]	ptfire_jul_2005ag_tox__nonhapvoc [v0]	ptfire_jul_2005ag_tox__nonhapvoc [v0]
Inventory daily fires 07 Jul, CAP/HAP last day	T	ptfire_jun_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_jun_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_jun_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_jun_lastdayonly_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 08 Aug, CAP/HAP	T	ptfire_aug_2005ag_tox_nonhapvoc [v0]	ptfire_aug_2005ag_tox_nonhapvoc [v0]	ptfire_aug_2005ag_tox_nonhapvoc [v0]	ptfire_aug_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 08 Aug, CAP/HAP last day	T	ptfire_jul_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_jul_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_jul_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_jul_lastdayonly_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 09 Sep, CAP/HAP	T	ptfire_sep_2005ag_tox_nonhapvoc [v0]	ptfire_sep_2005ag_tox_nonhapvoc [v0]	ptfire_sep_2005ag_tox_nonhapvoc [v0]	ptfire_sep_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 09 Sep, CAP/HAP last day	T	ptfire_aug_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_aug_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_aug_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_aug_lastdayonly_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 10 Oct, CAP/HAP	T	ptfire_oct_2005ag_tox_nonhapvoc [v0]	ptfire_oct_2005ag_tox_nonhapvoc [v0]	ptfire_oct_2005ag_tox_nonhapvoc [v0]	ptfire_oct_2005ag_tox_nonhapvoc [v0]

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
Inventory daily fires 10 Oct, CAP/HAP last day	T	ptfire_sep_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_sep_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_sep_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_sep_lastdayonly_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 11 Nov, CAP/HAP	T	ptfire_nov_2005ag_tox_nonhapvoc [v0]	ptfire_nov_2005ag_tox_nonhapvoc [v0]	ptfire_nov_2005ag_tox_nonhapvoc [v0]	ptfire_nov_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 11 Nov, CAP/HAP last day	T	ptfire_oct_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_oct_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_oct_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_oct_lastdayonly_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 12 Dec, CAP/HAP	T	ptfire_dec_2005ag_tox_nonhapvoc [v0]	ptfire_dec_2005ag_tox_nonhapvoc [v0]	ptfire_dec_2005ag_tox_nonhapvoc [v0]	ptfire_dec_2005ag_tox_nonhapvoc [v0]
Inventory daily fires 12 Dec, CAP/HAP last day	T	ptfire_nov_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_nov_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_nov_lastdayonly_2005ag_tox_nonhapvoc [v0]	ptfire_nov_lastdayonly_2005ag_tox_nonhapvoc [v0]
Inventory fire list	T	ptfire_2005ag_tox [v0]	ptfire_2005ag_tox [v0]	ptfire_2005ag_tox [v0]	ptfire_2005ag_tox [v0]
Inventory nonpt CAP and HAP (PFC only)	F	pfc_2002_caphap [v0]	pfc_caphap2012 [v0]	pfc_caphap2014 [v0]	pfc_caphap2014 [v0]
Inventory nonpt CAP (no PFC)	F	nonpt_pf4_cap_nopfc [v5]	nonpt_2012cs_pf4_cap_nopfc [v0]	nonpt_2014cs_pf4_cap_nopfc [v0]	nonpt_2014cs_pf4_cap_nopfc [v0]
Inventory nonpt CAP: TX and OK Oil and Gas	F	nonpt_cap_2005_TCEQ_Oklahoma_OilGas [v0]	nonpt_2012cs_from_cap_2008_TCEQ_Oklahoma_OilGas [v0]	nonpt_2014cs_from_cap_2008_TCEQ_Oklahoma_OilGas [v0]	nonpt_2014cs_from_cap_2008_TCEQ_Oklahoma_OilGas [v0]
Inventory nonpt CAP: WRAP Oil and Gas	F	nonpt_cap_2005_WRAP_OilGas [v0]	nonpt_2012cs_from_cap_2005_WRAP_OilGas [v0]	nonpt_2014cs_from_cap_2005_WRAP_OilGas [v0]	nonpt_2014cs_from_cap_2005_WRAP_OilGas [v0]
Inventory nonpt HAP (no PFC)	F	nonpt_pf4_hap_nopfc_nobafmpesticidesplus [v3]	nonpt_2012cs_pf4_hap_nopfc_nobafmpesticidesplus [v0]	nonpt_2014cs_pf4_hap_nopfc_nobafmpesticidesplus [v0]	nonpt_2014cs_pf4_hap_nopfc_nobafmpesticidesplus [v0]
Inventory nonroad Calif CAPHAP 01 January	F	nonroad_calif_caphap_2005v2_revised_jan [v0]	nonroad_calif_caphap_2012_revised_jan [v0]	nonroad_calif_caphap_2014_revised_jan [v0]	nonroad_calif_caphap_2014_revised_jan [v0]
Inventory nonroad Calif CAPHAP 02 February	F	nonroad_calif_caphap_2005v2_revised_feb [v0]	nonroad_calif_caphap_2012_revised_feb [v0]	nonroad_calif_caphap_2014_revised_feb [v0]	nonroad_calif_caphap_2014_revised_feb [v0]
Inventory nonroad Calif CAPHAP 03 March	F	nonroad_calif_caphap_2005v2_revised_mar [v0]	nonroad_calif_caphap_2012_revised_mar [v0]	nonroad_calif_caphap_2014_revised_mar [v0]	nonroad_calif_caphap_2014_revised_mar [v0]
Inventory nonroad Calif CAPHAP 04 April	F	nonroad_calif_caphap_2005v2_revised_apr [v0]	nonroad_calif_caphap_2012_revised_apr [v0]	nonroad_calif_caphap_2014_revised_apr [v0]	nonroad_calif_caphap_2014_revised_apr [v0]
Inventory nonroad Calif CAPHAP 05 May	F	nonroad_calif_caphap_2005v2_revised_may [v0]	nonroad_calif_caphap_2012_revised_may [v0]	nonroad_calif_caphap_2014_revised_may [v0]	nonroad_calif_caphap_2014_revised_may [v0]

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
Inventory nonroad Calif CAPHAP 06 June	F	nonroad_calif_caphap_2005v2_revised_jun [v0]	nonroad_calif_caphap_2012_revised_jun [v0]	nonroad_calif_caphap_2014_revised_jun [v0]	nonroad_calif_caphap_2014_revised_jun [v0]
Inventory nonroad Calif CAPHAP 07 July	F	nonroad_calif_caphap_2005v2_revised_jul [v0]	nonroad_calif_caphap_2012_revised_jul [v0]	nonroad_calif_caphap_2014_revised_jul [v0]	nonroad_calif_caphap_2014_revised_jul [v0]
Inventory nonroad Calif CAPHAP 08 August	F	nonroad_calif_caphap_2005v2_revised_aug [v0]	nonroad_calif_caphap_2012_revised_aug [v0]	nonroad_calif_caphap_2014_revised_aug [v0]	nonroad_calif_caphap_2014_revised_aug [v0]
Inventory nonroad Calif CAPHAP 09 September	F	nonroad_calif_caphap_2005v2_revised_sep [v0]	nonroad_calif_caphap_2012_revised_sep [v0]	nonroad_calif_caphap_2014_revised_sep [v0]	nonroad_calif_caphap_2014_revised_sep [v0]
Inventory nonroad Calif CAPHAP 10 October	F	nonroad_calif_caphap_2005v2_revised_oct [v0]	nonroad_calif_caphap_2012_revised_oct [v0]	nonroad_calif_caphap_2014_revised_oct [v0]	nonroad_calif_caphap_2014_revised_oct [v0]
Inventory nonroad Calif CAPHAP 11 November	F	nonroad_calif_caphap_2005v2_revised_nov [v0]	nonroad_calif_caphap_2012_revised_nov [v0]	nonroad_calif_caphap_2014_revised_nov [v0]	nonroad_calif_caphap_2014_revised_nov [v0]
Inventory nonroad Calif CAPHAP 12 December	F	nonroad_calif_caphap_2005v2_revised_dec [v0]	nonroad_calif_caphap_2012_revised_dec [v0]	nonroad_calif_caphap_2014_revised_dec [v0]	nonroad_calif_caphap_2014_revised_dec [v0]
Inventory nonroad US, not Calif CAP April	F	nonroad_caps_2005v2_apr_revised [v0]	nonroad_caphap_2012_apr [v0]	nonroad_caphap_2014ck_apr [v0]	nonroad_caphap_2014ck_apr [v0]
Inventory nonroad US, not Calif CAP August	F	nonroad_caps_2005v2_aug_revised [v0]	nonroad_caphap_2012_aug [v0]	nonroad_caphap_2014ck_aug [v0]	nonroad_caphap_2014ck_aug [v0]
Inventory nonroad US, not Calif CAP December	F	nonroad_caps_2005v2_dec_revised [v0]	nonroad_caphap_2012_dec [v0]	nonroad_caphap_2014ck_dec [v0]	nonroad_caphap_2014ck_dec [v0]
Inventory nonroad US, not Calif CAP February	F	nonroad_caps_2005v2_feb_revised [v0]	nonroad_caphap_2012_feb [v0]	nonroad_caphap_2014ck_feb [v0]	nonroad_caphap_2014ck_feb [v0]
Inventory nonroad US, not Calif CAP January	F	nonroad_caps_2005v2_jan_revised [v0]	nonroad_caphap_2012_jan [v0]	nonroad_caphap_2014ck_jan [v0]	nonroad_caphap_2014ck_jan [v0]
Inventory nonroad US, not Calif CAP July	F	nonroad_caps_2005v2_jul_revised [v0]	nonroad_caphap_2012_jul [v0]	nonroad_caphap_2014ck_jul [v0]	nonroad_caphap_2014ck_jul [v0]
Inventory nonroad US, not Calif CAP June	F	nonroad_caps_2005v2_jun_revised [v0]	nonroad_caphap_2012_jun [v0]	nonroad_caphap_2014ck_jun [v0]	nonroad_caphap_2014ck_jun [v0]
Inventory nonroad US, not Calif CAP March	F	nonroad_caps_2005v2_mar_revised [v0]	nonroad_caphap_2012_mar [v0]	nonroad_caphap_2014ck_mar [v0]	nonroad_caphap_2014ck_mar [v0]
Inventory nonroad US, not Calif CAP May	F	nonroad_caps_2005v2_may_revised [v0]	nonroad_caphap_2012_may [v0]	nonroad_caphap_2014ck_may [v0]	nonroad_caphap_2014ck_may [v0]

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
Inventory nonroad US, not Calif CAP November	F	nonroad_caps_2005v2_nov_revised [v0]	nonroad_caphap_2012_nov [v0]	nonroad_caphap_2014ck_nov [v0]	nonroad_caphap_2014ck_nov [v0]
Inventory nonroad US, not Calif CAP October	F	nonroad_caps_2005v2_oct_revised [v0]	nonroad_caphap_2012_oct [v0]	nonroad_caphap_2014ck_oct [v0]	nonroad_caphap_2014ck_oct [v0]
Inventory nonroad US, not Calif CAP September	F	nonroad_caps_2005v2_sep_revised [v0]	nonroad_caphap_2012_sep [v0]	nonroad_caphap_2014ck_sep [v0]	nonroad_caphap_2014ck_sep [v0]
Inventory nonroad US, not Calif HAP April	F	nonroad_haps_2005v2_apr_revised [v0]	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.
Inventory nonroad US, not Calif HAP August	F	nonroad_haps_2005v2_aug_revised [v0]	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.
Inventory nonroad US, not Calif HAP December	F	nonroad_haps_2005v2_dec_revised [v0]	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.
Inventory nonroad US, not Calif HAP February	F	nonroad_haps_2005v2_feb_revised [v0]	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.
Inventory nonroad US, not Calif HAP January	F	nonroad_haps_2005v2_jan_revised [v0]	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.
Inventory nonroad US, not Calif HAP July	F	nonroad_haps_2005v2_jul_revised [v0]	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.
Inventory nonroad US, not Calif HAP June	F	nonroad_haps_2005v2_jun_revised [v0]	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.
Inventory nonroad US, not Calif HAP March	F	nonroad_haps_2005v2_mar_revised [v0]	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.
Inventory nonroad US, not Calif HAP May	F	nonroad_haps_2005v2_may_revised [v0]	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.
Inventory nonroad US, not Calif HAP November	F	nonroad_haps_2005v2_nov_revised [v0]	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.
Inventory nonroad US, not Calif HAP October	F	nonroad_haps_2005v2_oct_revised [v0]	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.
Inventory nonroad US, not Calif HAP September	F	nonroad_haps_2005v2_sep_revised [v0]	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.	See CAPHAP file for future year emissions.

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
Inventory onroad Calif CAPHAP 01 January	F	onroad_calif_caphap_2005v2_revised_jan [v0]	onroad_calif_caphap_2012_revised_jan [v0]	onroad_calif_caphap_2014_revised_jan [v0]	onroad_calif_caphap_2014_revised_jan [v0]
Inventory onroad Calif CAPHAP 02 February	F	onroad_calif_caphap_2005v2_revised_feb [v0]	onroad_calif_caphap_2012_revised_feb [v0]	onroad_calif_caphap_2014_revised_feb [v0]	onroad_calif_caphap_2014_revised_feb [v0]
Inventory onroad Calif CAPHAP 03 March	F	onroad_calif_caphap_2005v2_revised_mar [v0]	onroad_calif_caphap_2012_revised_mar [v0]	onroad_calif_caphap_2014_revised_mar [v0]	onroad_calif_caphap_2014_revised_mar [v0]
Inventory onroad Calif CAPHAP 04 April	F	onroad_calif_caphap_2005v2_revised_apr [v0]	onroad_calif_caphap_2012_revised_apr [v0]	onroad_calif_caphap_2014_revised_apr [v0]	onroad_calif_caphap_2014_revised_apr [v0]
Inventory onroad Calif CAPHAP 05 May	F	onroad_calif_caphap_2005v2_revised_may [v0]	onroad_calif_caphap_2012_revised_may [v0]	onroad_calif_caphap_2014_revised_may [v0]	onroad_calif_caphap_2014_revised_may [v0]
Inventory onroad Calif CAPHAP 06 June	F	onroad_calif_caphap_2005v2_revised_jun [v0]	onroad_calif_caphap_2012_revised_jun [v0]	onroad_calif_caphap_2014_revised_jun [v0]	onroad_calif_caphap_2014_revised_jun [v0]
Inventory onroad Calif CAPHAP 07July	F	onroad_calif_caphap_2005v2_revised_jul [v0]	onroad_calif_caphap_2012_revised_jul [v0]	onroad_calif_caphap_2014_revised_jul [v0]	onroad_calif_caphap_2014_revised_jul [v0]
Inventory onroad Calif CAPHAP 08 August	F	onroad_calif_caphap_2005v2_revised_aug [v0]	onroad_calif_caphap_2012_revised_aug [v0]	onroad_calif_caphap_2014_revised_aug [v0]	onroad_calif_caphap_2014_revised_aug [v0]
Inventory onroad Calif CAPHAP 09 September	F	onroad_calif_caphap_2005v2_revised_sep [v0]	onroad_calif_caphap_2012_revised_sep [v0]	onroad_calif_caphap_2014_revised_sep [v0]	onroad_calif_caphap_2014_revised_sep [v0]
Inventory onroad Calif CAPHAP 10 October	F	onroad_calif_caphap_2005v2_revised_oct [v0]	onroad_calif_caphap_2012_revised_oct [v0]	onroad_calif_caphap_2014_revised_oct [v0]	onroad_calif_caphap_2014_revised_oct [v0]
Inventory onroad Calif CAPHAP 11 November	F	onroad_calif_caphap_2005v2_revised_nov [v0]	onroad_calif_caphap_2012_revised_nov [v0]	onroad_calif_caphap_2014_revised_nov [v0]	onroad_calif_caphap_2014_revised_nov [v0]
Inventory onroad Calif CAPHAP 12 December	F	onroad_calif_caphap_2005v2_revised_dec [v0]	onroad_calif_caphap_2012_revised_dec [v0]	onroad_calif_caphap_2014_revised_dec [v0]	onroad_calif_caphap_2014_revised_dec [v0]
Inventory onroad MOVES no-adjust CAPHAP 01 January	F	on_noadj_MOVES_2005cr_jan_06MAY2010 [v0]	on_noadj_MOVES_2012cs_jan_29DEC2010 [v0]	on_noadj_MOVES_2014cs_jan_27JAN2011 [v0]	on_noadj_MOVES_2014cs_jan_27JAN2011 [v0]
Inventory onroad MOVES no-adjust CAPHAP 02 February	F	on_noadj_MOVES_2005cr_feb_06MAY2010 [v0]	on_noadj_MOVES_2012cs_feb_29DEC2010 [v0]	on_noadj_MOVES_2014cs_feb_27JAN2011 [v0]	on_noadj_MOVES_2014cs_feb_27JAN2011 [v0]
Inventory onroad MOVES no-adjust CAPHAP 03 March	F	on_noadj_MOVES_2005cr_mar_06MAY2010 [v0]	on_noadj_MOVES_2012cs_mar_29DEC2010 [v0]	on_noadj_MOVES_2014cs_mar_27JAN2011 [v0]	on_noadj_MOVES_2014cs_mar_27JAN2011 [v0]

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
Inventory onroad MOVES no-adjust CAPHAP 04 April	F	on_noadj_MOVES_2005cr_apr_06MAY2010 [v0]	on_noadj_MOVES_2012cs_apr_29DEC2010 [v0]	on_noadj_MOVES_2014cs_apr_27JAN2011 [v0]	on_noadj_MOVES_2014cs_apr_27JAN2011 [v0]
Inventory onroad MOVES no-adjust CAPHAP 05 May	F	on_noadj_MOVES_2005cr_may_06MAY2010 [v0]	on_noadj_MOVES_2012cs_may_29DEC2010 [v0]	on_noadj_MOVES_2014cs_may_27JAN2011 [v0]	on_noadj_MOVES_2014cs_may_27JAN2011 [v0]
Inventory onroad MOVES no-adjust CAPHAP 06 June	F	on_noadj_MOVES_2005cr_jun_06MAY2010 [v0]	on_noadj_MOVES_2012cs_jun_29DEC2010 [v0]	on_noadj_MOVES_2014cs_jun_27JAN2011 [v0]	on_noadj_MOVES_2014cs_jun_27JAN2011 [v0]
Inventory onroad MOVES no-adjust CAPHAP 07 July	F	on_noadj_MOVES_2005cr_jul_06MAY2010 [v0]	on_noadj_MOVES_2012cs_jul_29DEC2010 [v0]	on_noadj_MOVES_2014cs_jul_27JAN2011 [v0]	on_noadj_MOVES_2014cs_jul_27JAN2011 [v0]
Inventory onroad MOVES no-adjust CAPHAP 08 August	F	on_noadj_MOVES_2005cr_aug_06MAY2010 [v0]	on_noadj_MOVES_2012cs_aug_29DEC2010 [v0]	on_noadj_MOVES_2014cs_aug_27JAN2011 [v0]	on_noadj_MOVES_2014cs_aug_27JAN2011 [v0]
Inventory onroad MOVES no-adjust CAPHAP 09 September	F	on_noadj_MOVES_2005cr_sep_06MAY2010 [v0]	on_noadj_MOVES_2012cs_sep_29DEC2010 [v0]	on_noadj_MOVES_2014cs_sep_27JAN2011 [v0]	on_noadj_MOVES_2014cs_sep_27JAN2011 [v0]
Inventory onroad MOVES no-adjust CAPHAP 10 October	F	on_noadj_MOVES_2005cr_oct_06MAY2010 [v0]	on_noadj_MOVES_2012cs_oct_29DEC2010 [v0]	on_noadj_MOVES_2014cs_oct_27JAN2011 [v0]	on_noadj_MOVES_2014cs_oct_27JAN2011 [v0]
Inventory onroad MOVES no-adjust CAPHAP 11 November	F	on_noadj_MOVES_2005cr_nov_06MAY2010 [v0]	on_noadj_MOVES_2012cs_nov_29DEC2010 [v0]	on_noadj_MOVES_2014cs_nov_27JAN2011 [v0]	on_noadj_MOVES_2014cs_nov_27JAN2011 [v0]
Inventory onroad MOVES no-adjust CAPHAP 12 December	F	on_noadj_MOVES_2005cr_dec_06MAY2010 [v0]	on_noadj_MOVES_2012cs_dec_29DEC2010 [v0]	on_noadj_MOVES_2014cs_dec_27JAN2011 [v0]	on_noadj_MOVES_2014cs_dec_27JAN2011 [v0]
Inventory onroad US, not Calif , on_moves_runpm, April	F	on_moves_runpm_2005cr_apr_06MAY2010 [v0]	on_moves_runpm_2012cs_apr_29DEC2010 [v1]	on_moves_runpm_2014cs_apr_27JAN2011 [v1]	on_moves_runpm_2014cs_apr_27JAN2011 [v1]
Inventory onroad US, not Calif ,	F	on_moves_runpm_2005cr_aug_06MAY2010 [v0]	on_moves_runpm_2012cs_aug_29DEC2010 [v1]	on_moves_runpm_2014cs_aug_27JAN2011 [v1]	on_moves_runpm_2014cs_aug_27JAN2011 [v1]

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
on_moves_runpm, August					
Inventory onroad US, not Calif , on_moves_runpm, December	F	on_moves_runpm_2005cr_dec_06MAY2010 [v0]	on_moves_runpm_2012cs_dec_29DEC2010 [v1]	on_moves_runpm_2014cs_dec_27JAN2011 [v1]	on_moves_runpm_2014cs_dec_27JAN2011 [v1]
Inventory onroad US, not Calif , on_moves_runpm, February	F	on_moves_runpm_2005cr_feb_06MAY2010 [v0]	on_moves_runpm_2012cs_feb_29DEC2010 [v1]	on_moves_runpm_2014cs_feb_27JAN2011 [v1]	on_moves_runpm_2014cs_feb_27JAN2011 [v1]
Inventory onroad US, not Calif , on_moves_runpm, January	F	on_moves_runpm_2005cr_jan_06MAY2010 [v0]	on_moves_runpm_2012cs_jan_29DEC2010 [v1]	on_moves_runpm_2014cs_jan_27JAN2011 [v1]	on_moves_runpm_2014cs_jan_27JAN2011 [v1]
Inventory onroad US, not Calif , on_moves_runpm, July	F	on_moves_runpm_2005cr_jul_06MAY2010 [v0]	on_moves_runpm_2012cs_jul_29DEC2010 [v1]	on_moves_runpm_2014cs_jul_27JAN2011 [v1]	on_moves_runpm_2014cs_jul_27JAN2011 [v1]
Inventory onroad US, not Calif , on_moves_runpm, June	F	on_moves_runpm_2005cr_jun_06MAY2010 [v0]	on_moves_runpm_2012cs_jun_29DEC2010 [v1]	on_moves_runpm_2014cs_jun_27JAN2011 [v1]	on_moves_runpm_2014cs_jun_27JAN2011 [v1]
Inventory onroad US, not Calif , on_moves_runpm, March	F	on_moves_runpm_2005cr_mar_06MAY2010 [v0]	on_moves_runpm_2012cs_mar_29DEC2010 [v1]	on_moves_runpm_2014cs_mar_27JAN2011 [v1]	on_moves_runpm_2014cs_mar_27JAN2011 [v1]
Inventory onroad US, not Calif , on_moves_runpm, May	F	on_moves_runpm_2005cr_may_06MAY2010 [v0]	on_moves_runpm_2012cs_may_29DEC2010 [v1]	on_moves_runpm_2014cs_may_27JAN2011 [v1]	on_moves_runpm_2014cs_may_27JAN2011 [v1]
Inventory onroad US, not Calif , on_moves_runpm, November	F	on_moves_runpm_2005cr_nov_06MAY2010 [v0]	on_moves_runpm_2012cs_nov_29DEC2010 [v1]	on_moves_runpm_2014cs_nov_27JAN2011 [v1]	on_moves_runpm_2014cs_nov_27JAN2011 [v1]
Inventory onroad US, not Calif ,	F	on_moves_runpm_2005cr_oct_06MAY2010 [v0]	on_moves_runpm_2012cs_oct_29DEC2010 [v1]	on_moves_runpm_2014cs_oct_27JAN2011 [v1]	on_moves_runpm_2014cs_oct_27JAN2011 [v1]

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
on_moves_runpm, October					
Inventory onroad US, not Calif , on_moves_runpm, September	F	on_moves_runpm_2005cr_sep_06MAY2010 [v0]	on_moves_runpm_2012cs_sep_29DEC2010 [v1]	on_moves_runpm_2014cs_sep_27JAN2011 [v1]	on_moves_runpm_2014cs_sep_27JAN2011 [v1]
Inventory onroad US, not Calif , on_moves_startpm, April	F	on_moves_startpm_2005cr_apr_06MAY2010 [v0]	on_moves_startpm_2012cs_apr_29DEC2010 [v0]	on_moves_startpm_2014cs_apr_27JAN2011 [v0]	on_moves_startpm_2014cs_apr_27JAN2011 [v0]
Inventory onroad US, not Calif , on_moves_startpm, August	F	on_moves_startpm_2005cr_aug_06MAY2010 [v0]	on_moves_startpm_2012cs_aug_29DEC2010 [v0]	on_moves_startpm_2014cs_aug_27JAN2011 [v0]	on_moves_startpm_2014cs_aug_27JAN2011 [v0]
Inventory onroad US, not Calif , on_moves_startpm, December	F	on_moves_startpm_2005cr_dec_06MAY2010 [v0]	on_moves_startpm_2012cs_dec_29DEC2010 [v0]	on_moves_startpm_2014cs_dec_27JAN2011 [v0]	on_moves_startpm_2014cs_dec_27JAN2011 [v0]
Inventory onroad US, not Calif , on_moves_startpm, February	F	on_moves_startpm_2005cr_feb_06MAY2010 [v0]	on_moves_startpm_2012cs_feb_29DEC2010 [v0]	on_moves_startpm_2014cs_feb_27JAN2011 [v0]	on_moves_startpm_2014cs_feb_27JAN2011 [v0]
Inventory onroad US, not Calif , on_moves_startpm, January	F	on_moves_startpm_2005cr_jan_06MAY2010 [v0]	on_moves_startpm_2012cs_jan_29DEC2010 [v0]	on_moves_startpm_2014cs_jan_27JAN2011 [v0]	on_moves_startpm_2014cs_jan_27JAN2011 [v0]
Inventory onroad US, not Calif , on_moves_startpm, July	F	on_moves_startpm_2005cr_jul_06MAY2010 [v0]	on_moves_startpm_2012cs_jul_29DEC2010 [v0]	on_moves_startpm_2014cs_jul_27JAN2011 [v0]	on_moves_startpm_2014cs_jul_27JAN2011 [v0]
Inventory onroad US, not Calif , on_moves_startpm, June	F	on_moves_startpm_2005cr_jun_06MAY2010 [v0]	on_moves_startpm_2012cs_jun_29DEC2010 [v0]	on_moves_startpm_2014cs_jun_27JAN2011 [v0]	on_moves_startpm_2014cs_jun_27JAN2011 [v0]

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
Inventory onroad US, not Calif , on_moves_startpm, March	F	on_moves_startpm_2005cr_mar_06MAY2010 [v0]	on_moves_startpm_2012cs_mar_29DEC2010 [v0]	on_moves_startpm_2014cs_mar_27JAN2011 [v0]	on_moves_startpm_2014cs_mar_27JAN2011 [v0]
Inventory onroad US, not Calif , on_moves_startpm, May	F	on_moves_startpm_2005cr_may_06MAY2010 [v0]	on_moves_startpm_2012cs_may_29DEC2010 [v0]	on_moves_startpm_2014cs_may_27JAN2011 [v0]	on_moves_startpm_2014cs_may_27JAN2011 [v0]
Inventory onroad US, not Calif , on_moves_startpm, November	F	on_moves_startpm_2005cr_nov_06MAY2010 [v0]	on_moves_startpm_2012cs_nov_29DEC2010 [v0]	on_moves_startpm_2014cs_nov_27JAN2011 [v0]	on_moves_startpm_2014cs_nov_27JAN2011 [v0]
Inventory onroad US, not Calif , on_moves_startpm, October	F	on_moves_startpm_2005cr_oct_06MAY2010 [v0]	on_moves_startpm_2012cs_oct_29DEC2010 [v0]	on_moves_startpm_2014cs_oct_27JAN2011 [v0]	on_moves_startpm_2014cs_oct_27JAN2011 [v0]
Inventory onroad US, not Calif , on_moves_startpm, September	F	on_moves_startpm_2005cr_sep_06MAY2010 [v0]	on_moves_startpm_2012cs_sep_29DEC2010 [v0]	on_moves_startpm_2014cs_sep_27JAN2011 [v0]	on_moves_startpm_2014cs_sep_27JAN2011 [v0]
Inventory othar_hg	T	area_canada_hg_2000_no duplicates [v0]	area_canada_hg_2000_no duplicates [v0]	area_canada_hg_2000_no duplicates [v0]	area_canada_hg_2000_no duplicates [v0]
Inventory othar nonpoint CAP Mexico border states	T	nonpt mexico border1999 [v0]	nonpt mexico border1999 [v0]	nonpt mexico border1999 [v0]	nonpt mexico border1999 [v0]
Inventory othar nonpoint CAP Mexico interior states	T	nonpt mexico interior1999 [v0]	nonpt mexico interior1999 [v0]	nonpt mexico interior1999 [v0]	nonpt mexico interior1999 [v0]
Inventory othar nonroad CAP Mexico border states	T	nonroad mexico border1999 [v0]	nonroad mexico border1999 [v0]	nonroad mexico border1999 [v0]	nonroad mexico border1999 [v0]
Inventory othar nonroad CAP Mexico interior states	T	nonroad mexico interior1999 [v0]	nonroad mexico interior1999 [v0]	nonroad mexico interior1999 [v0]	nonroad mexico interior1999 [v0]

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
Inventory othon CAP Mexico border states	T	onroad mexico border1999 [v0]	onroad mexico border1999 [v0]	onroad mexico border1999 [v0]	onroad mexico border1999 [v0]
Inventory othon CAP Mexico interior states	T	onroad mexico interior1999 [v0]	onroad mexico interior1999 [v0]	onroad mexico interior1999 [v0]	onroad mexico interior1999 [v0]
Inventory othon CAP onroad Canada	T	canada_onroad_cap_2006 [v0]	canada_onroad_cap_2006 [v0]	canada_onroad_cap_2006 [v0]	canada_onroad_cap_2006 [v0]
Inventory othpt CAP Mexico border states	T	mexico_border99 [v1]	mexico_border99 [v1]	mexico_border99 [v1]	mexico_border99 [v1]
Inventory othpt CAP Mexico interior states	T	mexico_interior99 [v0]	mexico_interior99 [v0]	mexico_interior99 [v0]	mexico_interior99 [v0]
Inventory othpt CAP offshore	T	ptnonipm_offshore_oil_cap2005v2_20nov2008 [v0]	ptnonipm_offshore_oil_cap2005v2_20nov2008 [v0]	ptnonipm_offshore_oil_cap2005v2_20nov2008 [v0]	ptnonipm_offshore_oil_cap2005v2_20nov2008 [v0]
Inventory othpt_hg	T	point_canada_hg_2000 [v1]	point_canada_hg_2000 [v1]	point_canada_hg_2000 [v1]	point_canada_hg_2000 [v1]
Inventory ptipm CAP	F	ptipm_2005cs_cap_27dec2010.txt [v1]			
Inventory ptipm CAP+ Hg Summer	F		PTINV_EPA410FINAL_BC_2n_summer_2012_21DEC2010_ORL [v1]	PTINV_EPA410FINAL_BC_2n_summer_2015_12JAN2010_ORL [v0]	PTINV_EPA410FINAL_BC_58_summer_2015_06APR2011_ORL [v0]
Inventory ptipm daily data (CEM sources)	F	ptday_ptipm_caphap_cem_2005cs_05b [v0]	ptday_ptipm_capclhg_cem_2012cs_05b [v0]	ptday_ptipm_capclhg_cem_2014cs_05b [v0]	ptday_ptipm_caphap_cem_2014cs_tr1remedy_05b [v0]
Inventory ptipm daily data (nonCEM sources)	F	ptday_ptipm_caphap_noncem_2005cs_05b [v0]	ptday_ptipm_capclhg_noncem_2012cs_05b [v0]	ptday_ptipm_capclhg_noncem_2014cs_05b [v0]	ptday_ptipm_caphap_noncem_2014cs_tr1remedy_05b [v0]
Inventory ptipm HAP	F	ptipm_2005cs_hap_27dec2010.txt [v0]			
Inventory ptnonipm CAP	F	ptnonipm_xportfrac_cap2005v2_2005cs_orl [v4]	ptnonipm_xportfrac_cap2012cs_with_TR1_closures [v1]	ptnonipm_xportfrac_cap2014cs [v0]	ptnonipm_xportfrac_cap2014cs [v0]
Inventory ptnonipm CAPHAP ethanol plant additions for V2NEI	T	ptnonipm_caphap_ethanol_plant_additions_2005 [v3]	ptnonipm_caphap_ethanol_plant_additions_2005 [v3]	ptnonipm_caphap_ethanol_plant_additions_2005 [v3]	ptnonipm_caphap_ethanol_plant_additions_2005 [v3]

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
Inventory ptnonipm CAP ND plant from V1NEI	T	ptnonipm_xportfrac_2005cap_v1_from_2005ai_ND_ADM_plant [v0]	ptnonipm_xportfrac_2005cap_v1_from_2005ai_ND_ADM_plant [v0]	ptnonipm_xportfrac_2005cap_v1_from_2005ai_ND_ADM_plant [v0]	ptnonipm_xportfrac_2005cap_v1_from_2005ai_ND_ADM_plant [v0]
Inventory ptnonipm cement capHg	F			ptnonipm_capHG_cementISIS_2016cr_16AUG2010 [v0]	ptnonipm_capHG_cementISIS_2016cr_16AUG2010 [v0]
Inventory ptnonipm HAP	F	ptnonipm_hap2005v2_2005cs_orl [v2]	ptnonipm_hap2012cs_with_TR1_closures [v1]	ptnonipm_hap2014cs [v0]	ptnonipm_hap2014cs [v0]
Inventory ptnonipm HAP ND plant from V1NEI	T	ptnonipm_2005hap_v1_from_2005ai_ND_ADM_plant [v0]	ptnonipm_2005hap_v1_from_2005ai_ND_ADM_plant [v0]	ptnonipm_2005hap_v1_from_2005ai_ND_ADM_plant [v0]	ptnonipm_2005hap_v1_from_2005ai_ND_ADM_plant [v0]
Inventory ptnonipm NEI27297 corn products	F		ptnonipm_cornproducts17031_hap_cap_2008t [v0]	ptnonipm_cornproducts17031_hap_cap_2008t [v0]	ptnonipm_cornproducts17031_hap_cap_2008t [v0]
Inventory seca_c3 BAF HAPs Canada	F	eca_imo_CANADA_SCC_fix_vochaps_2005_09DEC2010 [v0]	eca_imo_CANADA_SCC_fix_vochaps_2012_09DEC2010 [v0]	eca_imo_CANADA_SCC_fix_vochaps_2014_09DEC2010 [v0]	eca_imo_CANADA_SCC_fix_vochaps_2014_09DEC2010 [v0]
Inventory seca_c3 BAF HAPs US + EEZ + Offshore non-Canada	F	eca_imo_fixFIPS_US_andSCC_fix_vochaps_2005_09DEC2010 [v0]	eca_imo_fixFIPS_US_andSCC_fix_vochaps_2012_09DEC2010 [v0]	eca_imo_fixFIPS_US_andSCC_fix_vochaps_2014_09DEC2010 [v0]	eca_imo_fixFIPS_US_andSCC_fix_vochaps_2014_09DEC2010 [v0]
Inventory seca_c3 CAP Canada	F	eca_imo_CANADA_SCC_fix_caps_2005_09DEC2010 [v0]	eca_imo_CANADA_SCC_fix_caps_2012_09DEC2010 [v0]	eca_imo_CANADA_SCC_fix_caps_2014_09DEC2010 [v0]	eca_imo_CANADA_SCC_fix_caps_2014_09DEC2010 [v0]
Inventory seca_c3 CAP US + EEZ + Offshore non-Canada	F	eca_imo_fixFIPS_US_wDE_andSCC_fix_caps_2005_09DEC2010 [v0]	eca_imo_fixFIPS_US_wDE_andSCC_fix_caps_2012_09DEC2010 [v0]	eca_imo_fixFIPS_US_wDE_andSCC_fix_caps_2014_09DEC2010 [v0]	eca_imo_fixFIPS_US_wDE_andSCC_fix_caps_2014_09DEC2010 [v0]
Inventory Table - HAPCAP integration but no toxics	T	invtable_hapcapintegate_cb05soa_nomp_nohg [v3]	invtable_hapcapintegate_cb05soa_nomp_nohg [v3]	invtable_hapcapintegate_cb05soa_nomp_nohg [v3]	invtable_hapcapintegate_cb05soa_nomp_nohg [v3]
Inventory Table - noHAPuse sectors, no toxics	F	invtable_hapcapnohapuse_cb05soa_nomp_nohg [v1]	invtable_hapcapnohapuse_cb05soa_nomp [v4]	invtable_hapcapnohapuse_cb05soa_nomp [v4]	invtable_hapcapnohapuse_cb05soa_nomp [v4]

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
Inventory Table - noHAPuse sectors, no toxics, no Hg	T	invtable_hapcapnohapuse_cb05soa_nomp_nohg [v1]	invtable_hapcapnohapuse_cb05soa_nomp_nohg [v1]	invtable_hapcapnohapuse_cb05soa_nomp_nohg [v1]	invtable_hapcapnohapuse_cb05soa_nomp_nohg [v1]
Inventory Table - noHAPuse sectors, no toxics, no Hg	T	invtable_hapcapnohapuse_cb05soa_nomp_nohg [v1]	invtable_hapcapnohapuse_cb05soa_nomp_nohg [v1]	invtable_hapcapnohapuse_cb05soa_nomp_nohg [v1]	invtable_hapcapnohapuse_cb05soa_nomp_nohg [v1]
Inventory Table - noHAPuse sectors, no toxics, no Hg	F		invtable_hapcapintegate_cb05soa_nomp_nohg [v3]	invtable_hapcapintegate_cb05soa_nomp_nohg [v3]	invtable_hapcapintegate_cb05soa_nomp_nohg [v3]
Mobile codes file default	T	mcodes [v1]	mcodes [v1]	mcodes [v1]	mcodes [v1]
NHAPEXCLUDE alm_no_c3	T	nhapexclude_alm_no_c3_pf4 [v1]	nhapexclude_alm_no_c3_pf4 [v1]	nhapexclude_alm_no_c3_pf4 [v1]	nhapexclude_alm_no_c3_pf4 [v1]
NHAPEXCLUDE avefire	T	nhapexclude_everything [v0]	nhapexclude_everything [v0]	nhapexclude_everything [v0]	nhapexclude_everything [v0]
NHAPEXCLUDE nonpt	T	nhapexclude_nonpt_pf4_addpesticides [v3]	nhapexclude_nonpt_pf4_addpesticides [v3]	nhapexclude_nonpt_pf4_addpesticides [v3]	nhapexclude_nonpt_pf4_addpesticides [v3]
NHAPEXCLUDE NONROAD	T	nhapexclude_nonroad_pf4 [v1]	nhapexclude_nonroad_pf4 [v1]	nhapexclude_nonroad_pf4 [v1]	nhapexclude_nonroad_pf4 [v1]
NHAPEXCLUDE on_noadj	T	nhapexclude_nothing [v0]	nhapexclude_nothing [v0]	nhapexclude_nothing [v0]	nhapexclude_nothing [v0]
NHAPEXCLUDE ptnonipm	T	nhapexclude_everything [v0]	nhapexclude_everything [v0]	nhapexclude_everything [v0]	nhapexclude_everything [v0]
NHAPEXCLUDE seca_c3	T	nhapexclude_nothing [v0]	nhapexclude_nothing [v0]	nhapexclude_nothing [v0]	nhapexclude_nothing [v0]
ORIS Description	T	orisdesc [v0]	orisdesc [v0]	orisdesc [v0]	orisdesc [v0]
ORL Nonpoint Inventory - Afdust Canada 2006	T	canada_afdust_xportfrac_cap_2006 [v0]	canada_afdust_xportfrac_cap_2006 [v0]	canada_afdust_xportfrac_cap_2006 [v0]	canada_afdust_xportfrac_cap_2006 [v0]
ORL Nonpoint Inventory - Ag Canada 2006	T	canada_ag_cap_2006 [v0]	canada_ag_cap_2006 [v0]	canada_ag_cap_2006 [v0]	canada_ag_cap_2006 [v0]
ORL Nonpoint Inventory - Aircraft Canada 2006	T	canada_aircraft_cap_2006 [v0]	canada_aircraft_cap_2006 [v0]	canada_aircraft_cap_2006 [v0]	canada_aircraft_cap_2006 [v0]
ORL Nonpoint Inventory - Commercial Marine Canada 2006	T	canada_marine_cap_2006 [v0]	canada_marine_cap_2006 [v0]	canada_marine_cap_2006 [v0]	canada_marine_cap_2006 [v0]

Input Name	Match	Dataset and version for 2005cs_05b	Dataset and version for 2012cs_05b	Dataset and version for 2014cs_05b	Dataset and version for 2014cs_tr1remedy_05b
ORL Nonpoint Inventory - Nonroad Canada 2006	T	canada_offroad_cap_2006 [v0]	canada_offroad_cap_2006 [v0]	canada_offroad_cap_2006 [v0]	canada_offroad_cap_2006 [v0]
ORL Nonpoint Inventory - Oarea Canada 2006	T	canada_oarea_cap_2006 [v3]	canada_oarea_cap_2006 [v3]	canada_oarea_cap_2006 [v3]	canada_oarea_cap_2006 [v3]
ORL Nonpoint Inventory - Rail Canada 2006	T	canada_rail_cap_2006 [v0]	canada_rail_cap_2006 [v0]	canada_rail_cap_2006 [v0]	canada_rail_cap_2006 [v0]
ORL Point Inventory - Point 2006	T	canada_point_2006_orl [v2]	canada_point_2006_orl [v2]	canada_point_2006_orl [v2]	canada_point_2006_orl [v2]
ORL Point Inventory - Point CB5 2006	T	canada_point_cb5_2006_orl [v0]	canada_point_cb5_2006_orl [v0]	canada_point_cb5_2006_orl [v0]	canada_point_cb5_2006_orl [v0]
ORL Point Inventory - Upstream Oil & Gas 2006	T	canada_point_uog_2006_orl [v0]	canada_point_uog_2006_orl [v0]	canada_point_uog_2006_orl [v0]	canada_point_uog_2006_orl [v0]
SCC descriptions	F	sccdesc_pf31 [v10]	sccdesc_pf31 [v11]	sccdesc_pf31 [v11]	sccdesc_pf31 [v11]
Stack replacement	T	pstk [v0]	pstk [v0]	pstk [v0]	pstk [v0]

Appendix D: Summary of Future Base Case Transport Rule Non-EGU Control Programs, Closures and Projections

Lists of control, closure, projection packet datasets used to create Transport Rule 2012 and 2014 future year base-case scenario inventories from the 2005 base case are provided in Tables D-1 through D-4. The datasets listed in Tables D-1 and D-3 were applied to the following non-EGU point source inventories to create 2012 and 2014 emissions, respectively:

- ptnonipm_hap2005v2_2005cs_orl
- ptnonipm_xportfrac_cap2005v2_2005cs_orl

The datasets listed in Tables D-2 and D-4 were applied to the following nonpoint source inventories to create 2012 and 2014 emissions, respectively:

- nonpt_cap_2008_TCEQ_Oklahoma_OilGas
- nonpt_cap_2005_WRAP_OilGas
- nonpt_pf4_cap_nopfc
- nonpt_pf4_hap_nopfc_nobafmpesticidesplus

National summaries of the impacts of the control programs on each of the inventories are shown in Tables D-5 through D-10. State and plant level summaries that were too large to include in this Appendix are provided in accompanying spreadsheet workbooks: **TransportRuleFinal_2012_Projection_info.xlsx** and **TransportRuleFinal_2014_Projection_info.xlsx**.

Table D-1. Datasets used to Create Transport Rule Final 2012 Inventories for Non-EGU Point Sources

Name	Type	Dataset	Dataset Version	Description
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	Plant Closure	CLOSURES_LotusNotes_Linda_Timin_2016cr_23AUG2010	1	Plant and unit closures identified through EPA review.
CLOSURES TR1 comments and consent decrees 2012cs	Plant Closure	CLOSURES_TR1_2012cs_01FEB2011	0	Plant and unit closures through 2012 identified as a result of Transport Rule comments.
CLOSURES cement ISIS 2013 policy	Plant Closure	CLOSURES_cementISIS_2016cr_17AUG2010	1	Cement plant and unit closures identified via the ISIS 2013 policy case.
CONTROL ADDITIONAL OECA 2005cr to 2016cr	Control	CONTROLS_additional_NEIpf4_OECA_2005cr_2016cr_29JUL2010	1	Controls that implement OECA consent decrees.
CONTROL REPLACE DOJ 2005cr to 2016cr	Control	CONTROLS_replacement_NEIpf4_DOJ_2005cr_2016cr_02AUG2010.txt	0	Controls resulting from the 2002v3 DOJ Texas settlement.
CONTROL REPLACE HWI 2005cr to 2016cr	Control	CONTROLS_replacement_NEIpf4_HWI_2005cr_2016cr_02AUG2010.txt	1	Hazardous Waste Incinerator controls for CAPs and Haps carried over from 2002v31.
CONTROL REPLACE IndustrialBoiler nonMACT 2005cr to 2016cr	Control	CONTROLS_replacement_IndBoilers_nonMACT_by2008_20AUG2010	0	Industrial boiler controls not related to application of the MACT but derived from the Boiler MACT ICR database dated 4/30/10.
CONTROL REPLACE LMWC 2005cr to 2016cr	Control	CONTROLS_replacement_NEIpf4_LMWC_2005cr_2016cr_02AUG2010.txt	0	Controls for large municipal combustors carried over from 2002v31.
CONTROL REPLACE MACT 2005cr to 2012cr	Control	CONTROLS_replacement_NEIpf4_MACT_2005cr_2012cr_07OCT2010	0	MACT controls carried over from 2002v3 and updated as appropriate.
CONTROL REPLACE NY SIP 2005cr to 2016cr	Control	CONTROLS_replacement_NYSIP_O3_SCC_2016cr_26AUG2010	0	Controls that reflect enforceable controls for NOx and VOC from the New York ozone SIP.
CONTROL REPLACE Refineries 2005cr to 2012cr	Control	CONTROLS_replacement_NEIpf4_refineries_2005cr_2012cr_07OCT2010	0	Controls for refineries specified by EPA expert refinery staff.
CONTROL RICE 2012cr_05b	Control	CONTROLS_replacement_RICE_2012cr_07OCT2010	1	Controls for 2012 that represent three separate RICE NESHAPs

CONTROL St Gobain and LaFarge 2012	Control	CONTROLS_rep_Lafarge_StGobain_2012cs_25JAN2011.txt	0	Controls for NOx, SO2, PM., and HCl resulting from Saint Gobain and Lafarge consent decrees
CONTROL TR1 Final CONTROL packet: 2012cs	Control	CONTROLS_TR1_2012cs_24JAN2011	0	Controls for TCEQ oil and gas and non-ISIS related cement controls.
CONTROL TR1 Final consent decrees 2012	Control	CONTROLS_additional_TR1final_consent_decrees_2005cs_to_2012cs	1	Controls related to consent decrees identified during the Transport Rule comment period.
PROJECTION LMWC 2005cr to 2016cr	Projection	PROJECTION_2005cr_2016cr_LMWC_29JUL2010	0	Projection factors for Solid and Liquid Municipal Waste Combustors.
PROJECTION TR1 comments 2005cs to 20XXcs -ptnonipm	Projection	PROJECTION_2005cs_20XX_TR1_ptnonipm_01FEB2011	0	Projection factors derived from Transport Rule comments.
PROJECTION aircraft 2005cr to 2012cr	Projection	PROJECTION_2005cr_2012cr_aircraft_06OCT2010	0	Projection factors for aircraft derived from the FAA Terminal Area Forecast System.
PROJECTION refueling 2005cs to 2012cs	Projection	PROJECTION_2005cs_2012cs_onroad_refueling_04JAN2011	0	Projection factors for gasoline stage 2 refueling.
closures: 2005 to 2012ck	Plant Closure	CLOSURES_2005ck_to_2012ck_CoST_format	0	Plant or unit closures identified 2008 or before.

Table D-2. Datasets used to Create Transport Rule Final 2012 Inventories for Nonpoint Sources

Name	Type	Dataset	Dataset Version	Description
CONTROL REPLACE NY SIP 2005cr to 2016cr	Control	CONTROLS_replacement_NYSIP_O3_SCC_2016cr_26AUG2010	0	Controls that reflect enforceable controls for NOx and VOC from the New York ozone SIP.
CONTROL RICE 2012cr_05b	Control	CONTROLS_replacement_RICE_2012cr_07OCT2010	1	Controls for 2012 that represent three separate RICE NESHAPs
CONTROL TR1 Final CONTROL packet: 2012cs	Control	CONTROLS_TR1_2012cs_24JAN2011	0	Controls for TCEQ oil and gas and non-ISIS related cement controls.
PROJECTION 2005cr to 2012cr ag sector	Projection	PROJECTION_2005cr_2012cr_ag_06OCT2010	0	Projection factors for agriculture based on animal population stats.
PROJECTION RWC and landfills 2005cr to 2012cs	Projection	PROJECTION_2005cr_2012cr_RWC_landfills_06OCT2010	1	Projection factors for residential wood combustion and landfills.

PROJECTION refueling 2005cs to 2012cs	Projection	PROJECTION_2005cs_2012cs_onroad_refueling_04JAN2011	0	Projection factors for gasoline stage 2 refueling.

Table D-3. Datasets used to Create Transport Rule Final 2014 Inventories for Non-EGU Point Sources

Name	Type	Dataset	Dataset Version	Description
CLOSURES cement ISIS 2013 policy	Plant Closure	CLOSURES_cementISIS_2016cr_17AUG2010	1	Cement plant and unit closures identified via the ISIS 2013 policy case.
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	Plant Closure	CLOSURES_LotusNotes_Linda_Timin_2016cr_23AUG2010	1	Plant and unit closures identified through EPA review.
CLOSURES TR1 comments and consent decrees 2014cs	Plant Closure	CLOSURES_TR1_2014cs_01FEB2011	0	Plant and unit closures through 2014 identified as a result of Transport Rule comments.
closures: 2005 to 2012ck	Plant Closure	CLOSURES_2005ck_to_2012ck_CoST_format	0	Plant and unit closures identified 2008 or before.
CONTROL ADDITIONAL OECA 2005cr to 2016cr	Control	CONTROLS_additional_NEIpf4_OECA_2005cr_2016cr_29JUL2010	1	Controls that implement OECA consent decrees.
CONTROL cement ISIS 2013 policy	Control	CONTROLS_replacement_cementISIS_2016cr_17AUG2010	0	Cement plant and unit closures identified via the ISIS 2013 policy case.
CONTROL REPLACE DOJ 2005cr to 2016cr	Control	CONTROLS_replacement_NEIpf4_DOJ_2005cr_2016cr_02AUG2010.txt	0	Controls resulting from the 2002v3 DOJ Texas settlement.
CONTROL REPLACE HWI 2005cr to 2016cr	Control	CONTROLS_replacement_NEIpf4_HWI_2005cr_2016cr_02AUG2010.txt	1	Hazardous Waste Incinerator controls for CAPs and Haps carried over from 2002v31.
CONTROL REPLACE IndustrialBoiler nonMACT 2005cr to 2016cr	Control	CONTROLS_replacement_IndBoilers_nonMACT_by2008_20AUG2010	0	Industrial boiler controls not related to application of the MACT but derived from the Boiler MACT ICR database dated 4/30/10.

CONTROL REPLACE LMWC 2005cr to 2016cr	Control	CONTROLS_replacement_NEIpf4_LMWC_2005cr_2016cr_02AUG2010.txt	0	Controls for large municipal combustors carried over from 2002v31.
CONTROL REPLACE MACT 2005cr to 2016cr	Control	CONTROLS_replacement_NEIpf4_MACT_2005cr_2016cr_02AUG2010.txt	0	MACT controls carried over from 2002v3 and updated as appropriate.
CONTROL REPLACE NY SIP 2005cr to 2016cr	Control	CONTROLS_replacement_NYSIP_O3_SCC_2016cr_26AUG2010	0	Controls that reflect enforceable controls for NOx and VOC from the New York ozone SIP.
CONTROL REPLACE Refineries 2005cr to 2014cr	Control	CONTROLS_replacement_NEIpf4_refineries_2005cr_2014cr_07OCT2010	0	Controls for refineries specified by EPA expert refinery staff.
CONTROL RICE 2016cr_05b	Control	CONTROLS_replacement_RICE_2016cr_21SEP2010	1	Controls for 2014 and 2016 that represent three separate RICE NESHAPs
CONTROL RICE SO2 2014cs_05b	Control	CONTROLS_replacement_RICE_SO2_2014cs_05JAN2011	0	SO2 reductions from the Ultra-low Sulfur Diesel requirement for CI engines
CONTROL St Gobain and LaFarge 2014	Control	CONTROLS_rep_Lafarge_StGobain_2014cs_25JAN2011.txt	0	Controls for NOx, SO2, PM., and HCl resulting from Saint Gobain and Lafarge consent decrees
CONTROL SULF rules: ME and NY 2014 through 2016	Control	control_ny_and_me_fuel_sulfur_rule	0	SO2 reductions due to state sulfur content rules for fuel oil.
CONTROL TR1 Final consent decrees 2014	Control	CONTROLS_additional_TR1final_consent_decrees_2005cs_to_2014cs	1	Controls related to consent decrees identified during the Transport Rule comment period.
CONTROL TR1 Final CONTROL packet: 2014cs	Control	CONTROLS_TR1_2014cs_24JAN2011	0	Controls for TCEQ oil and gas and non-ISIS related cement controls.
PROJECTION aircraft 2005cr to 2014cr	Projection	PROJECTION_2005cr_2014cr_aircraft_06OCT2010	0	Projection factors for aircraft derived from the FAA Terminal Area Forecast System.
PROJECTION cement ISIS 2013 policy	Projection	PROJECTION_cementISIS_2016cr_17AUG2010	0	Projection factors that implement the 2013 ISIS policy case for cement.
PROJECTION LMWC 2005cr to 2016cr	Projection	PROJECTION_2005cr_2016cr_LMWC_29JUL2010	0	Projection factors for Solid and Liquid Municipal Waste Combustors.

PROJECTION refueling 2005cs to 2014cs	Projection	PROJECTION_2005cs_2014cs_onroad_refueling_04JAN2011	0	Projection factors for gasoline stage 2 refueling.
PROJECTION TR1 comments 2005cs to 20XXcs -ptnonipm	Projection	PROJECTION_2005cs_20XX_TR1_ptnonipm_01FEB2011	0	Projection factors derived from Transport Rule comments.

Table D-4. Datasets used to Create Transport Rule Final 2014 Inventories for Nonpoint Sources

Name	Type	Dataset	Dataset Version	Description
CONTROL REPLACE NY SIP 2005cr to 2016cr	Control	CONTROLS_replacement_NYSIP_O3_SCC_2016cr_26AUG2010	0	Controls that reflect enforceable controls for NOx and VOC from the New York ozone SIP.
CONTROL RICE 2016cr_05b	Control	CONTROLS_replacement_RICE_2016cr_21SEP2010	1	Controls for 2014 and 2016 that represent three separate RICE NESHAPs
CONTROL RICE SO2 2014cs_05b	Control	CONTROLS_replacement_RICE_SO2_2014cs_05JAN2011	0	SO2 reductions from the Ultra-low Sulfur Diesel requirement for CI engines
CONTROL SULF rules: ME and NY 2014 through 2016	Control	control_ny_and_me_fuel_sulfur_rule	0	SO2 reductions due to state sulfur content rules for fuel oil.
CONTROL TR1 Final CONTROL packet: 2014cs	Control	CONTROLS_TR1_2014cs_24JAN2011	0	Controls for TCEQ oil and gas and non-ISIS related cement controls.
PROJECTION 2005cr to 2014cr ag sector	Projection	PROJECTION_2005cr_2014cr_ag_06OCT2010	0	Projection factors for agriculture based on animal population stats.
PROJECTION RWC and landfills 2005cr to 2014cs	Projection	PROJECTION_2005cr_2014cr_RWC_landfills_06OCT2010	1	Projection factors for residential wood combustion and landfills.
PROJECTION refueling 2005cs to 2014cs	Projection	PROJECTION_2005cs_2014cs_onroad_refueling_04JAN2011	0	Projection factors for gasoline stage 2 refueling.

Table D-5. Impacts of Control Programs on 2012 U.S. Non-EGU Point Source CAPs

Control Program	Pollutant	Inventory Emissions	Final Emissions	Emissions Reduction	Percent Reduction
closures: 2005 to 2012ck	CO	4154	0	4154	100
closures: 2005 to 2012ck	NH3	7	0	7	100
closures: 2005 to 2012ck	NOX	2112	0	2112	100
closures: 2005 to 2012ck	PM10	352	0	352	100
closures: 2005 to 2012ck	PM2_5	225	0	225	100
closures: 2005 to 2012ck	SO2	5549	0	5549	100
closures: 2005 to 2012ck	VOC	3392	0	3392	100
CLOSURES cement ISIS 2013 policy	CO	42781	0	42781	100
CLOSURES cement ISIS 2013 policy	NH3	121	0	121	100
CLOSURES cement ISIS 2013 policy	NOX	77030	0	77030	100
CLOSURES cement ISIS 2013 policy	PM10	10768	0	10768	100
CLOSURES cement ISIS 2013 policy	PM2_5	5107	0	5107	100
CLOSURES cement ISIS 2013 policy	SO2	46192	0	46192	100
CLOSURES cement ISIS 2013 policy	VOC	3260	0	3260	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	CO	15787	0	15787	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	NH3	414	0	414	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	NOX	15716	0	15716	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	PM10	5582	0	5582	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	PM2_5	4051	0	4051	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	SO2	68993	0	68993	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	VOC	15297	0	15297	100
CLOSURES TR1 comments and consent decrees 2012cs	CO	61288	0	61288	100
CLOSURES TR1 comments and consent decrees 2012cs	NH3	94	0	94	100
CLOSURES TR1 comments and consent decrees 2012cs	NOX	10335	0	10335	100
CLOSURES TR1 comments and consent decrees 2012cs	PM10	4011	0	4011	100
CLOSURES TR1 comments and consent decrees 2012cs	PM2_5	3065	0	3065	100
CLOSURES TR1 comments and consent decrees 2012cs	SO2	27235	0	27235	100
CLOSURES TR1 comments and consent decrees 2012cs	VOC	4526	0	4526	100

CONTROL ADDITIONAL OECA 2005cr to 2016cr	CO	10968	262	10706	98
CONTROL ADDITIONAL OECA 2005cr to 2016cr	NOX	41507	21991	19516	47
CONTROL ADDITIONAL OECA 2005cr to 2016cr	PM10	5307	3652	1655	31
CONTROL ADDITIONAL OECA 2005cr to 2016cr	PM2_5	3926	2842	1084	28
CONTROL ADDITIONAL OECA 2005cr to 2016cr	SO2	32174	13540	18634	58
CONTROL ADDITIONAL OECA 2005cr to 2016cr	VOC	2761	1639	1122	41
CONTROL REPLACE DOJ 2005cr to 2016cr	NOX	7469	5535	1934	26
CONTROL REPLACE DOJ 2005cr to 2016cr	SO2	51109	7104	44005	86
CONTROL REPLACE HWI 2005cr to 2016cr	PM10	4573	1638	2934	64
CONTROL REPLACE HWI 2005cr to 2016cr	PM2_5	2735	941	1793	66
CONTROL REPLACE IndustrialBoiler nonMACT 2005cr to 2016cr	NOX	907	544	363	40
CONTROL REPLACE IndustrialBoiler nonMACT 2005cr to 2016cr	SO2	4670	787	3884	83
CONTROL REPLACE LMWC 2005cr to 2016cr	PM10	126	83	43	34
CONTROL REPLACE LMWC 2005cr to 2016cr	PM2_5	108	72	37	34
CONTROL REPLACE MACT 2005cr to 2012cr	NOX	300	240	60	20
CONTROL REPLACE MACT 2005cr to 2012cr	PM10	11041	6900	4141	38
CONTROL REPLACE MACT 2005cr to 2012cr	PM2_5	6915	4429	2486	36
CONTROL REPLACE MACT 2005cr to 2012cr	SO2	24529	20152	4377	18
CONTROL REPLACE MACT 2005cr to 2012cr	VOC	219089	129202	89887	41
CONTROL REPLACE NY SIP 2005cr to 2016cr	NOX	1925	577	1347	70
CONTROL REPLACE Refineries 2005cr to 2012cr	NOX	23900	13841	10059	42
CONTROL REPLACE Refineries 2005cr to 2012cr	PM10	1246	452	794	64
CONTROL REPLACE Refineries 2005cr to 2012cr	PM2_5	1181	118	1062	90
CONTROL REPLACE Refineries 2005cr to 2012cr	SO2	84613	7214	77399	91
CONTROL RICE 2012cr_05b	CO	156860	150766	6093	4
CONTROL RICE 2012cr_05b	NOX	321981	308058	13924	4
CONTROL RICE 2012cr_05b	VOC	25959	25206	754	3
CONTROL St Gobain and LaFarge 2012	CO	110	0	110	100
CONTROL St Gobain and LaFarge 2012	NOX	15489	6745	8745	56
CONTROL St Gobain and LaFarge 2012	PM10	14	0	14	100

CONTROL St Gobain and LaFarge 2012	PM2_5	4	0	4	100
CONTROL St Gobain and LaFarge 2012	SO2	3342	917	2425	73
CONTROL St Gobain and LaFarge 2012	VOC	6	0	6	100
CONTROL TR1 Final consent decrees 2012	CO	1871	1059	812	43
CONTROL TR1 Final consent decrees 2012	NOX	10124	6157	3967	39
CONTROL TR1 Final consent decrees 2012	PM10	541	76	466	86
CONTROL TR1 Final consent decrees 2012	PM2_5	541	76	466	86
CONTROL TR1 Final consent decrees 2012	SO2	92042	30863	61179	66
CONTROL TR1 Final consent decrees 2012	VOC	32	6	26	82
CONTROL TR1 Final CONTROL packet: 2012cs	NOX	42918	21573	21346	50
CONTROL TR1 Final CONTROL packet: 2012cs	PM10	831	80	751	90
CONTROL TR1 Final CONTROL packet: 2012cs	PM2_5	821	79	742	90
CONTROL TR1 Final CONTROL packet: 2012cs	SO2	50782	5969	44813	88
PROJECTION aircraft 2005cr to 2012cr	CO	496341	475573	20769	4
PROJECTION aircraft 2005cr to 2012cr	NH3	0	0	0	3
PROJECTION aircraft 2005cr to 2012cr	NOX	74102	75170	-1068	-1
PROJECTION aircraft 2005cr to 2012cr	PM10	12567	12180	387	3
PROJECTION aircraft 2005cr to 2012cr	PM2_5	10048	9800	248	2
PROJECTION aircraft 2005cr to 2012cr	SO2	6691	6784	-93	-1
PROJECTION aircraft 2005cr to 2012cr	VOC	31114	30344	770	2
PROJECTION LMWC 2005cr to 2016cr	CO	58	88	-30	-52
PROJECTION LMWC 2005cr to 2016cr	NH3	4	7	-2	-53
PROJECTION LMWC 2005cr to 2016cr	NOX	2263	3428	-1165	-51
PROJECTION LMWC 2005cr to 2016cr	PM10	21	32	-11	-51
PROJECTION LMWC 2005cr to 2016cr	PM2_5	11	17	-6	-51
PROJECTION LMWC 2005cr to 2016cr	SO2	18	27	-9	-52
PROJECTION LMWC 2005cr to 2016cr	VOC	18	27	-9	-50
PROJECTION refueling 2005cs to 2012cs	VOC	12476	8047	4428	35
PROJECTION TR1 comments 2005cs to 20XXcs -ptnonipm	NOX	13265	22293	-9027	-68
PROJECTION TR1 comments 2005cs to 20XXcs -ptnonipm	PM10	404	878	-474	-117
PROJECTION TR1 comments 2005cs to 20XXcs -ptnonipm	PM2_5	335	579	-244	-73

PROJECTION TR1 comments 2005cs to 20XXcs -ptnonipm	SO2	5292	3447	1844	35

Table D-6. Impacts of Control Programs on 2012 U.S. Nonpoint Source CAPs

Control Program	Pollutant	Inventory Emissions	Final Emissions	Emissions Reduction	Percent Reduction
CONTROL REPLACE NY SIP 2005cr to 2016cr	VOC	139818	102664	37154	27
CONTROL RICE 2012cr_05b	CO	438582	427245	11337	3
CONTROL RICE 2012cr_05b	NOX	528691	515907	12784	2
CONTROL RICE 2012cr_05b	VOC	18400	18193	207	1
CONTROL TR1 Final CONTROL packet: 2012cs	VOC	42596	30807	11788	28
PROJECTION 2005cr to 2012cr ag sector	PM10	3104	3104	0	0
PROJECTION 2005cr to 2012cr ag sector	PM2_5	310	310	0	0
PROJECTION 2005cr to 2012cr ag sector	VOC	42192	44821	-2629	-6
PROJECTION refueling 2005cs to 2012cs	VOC	268798	160342	108455	40
PROJECTION RWC and landfills 2005cr to 2012cs	CO	2856851	2593073	263778	9
PROJECTION RWC and landfills 2005cr to 2012cs	NH3	7238	6772	466	6
PROJECTION RWC and landfills 2005cr to 2012cs	NOX	38292	35127	3165	8
PROJECTION RWC and landfills 2005cr to 2012cs	PM10	388632	352351	36281	9
PROJECTION RWC and landfills 2005cr to 2012cs	PM2_5	381362	344925	36437	10
PROJECTION RWC and landfills 2005cr to 2012cs	SO2	5302	4899	403	8
PROJECTION RWC and landfills 2005cr to 2012cs	VOC	569950	483994	85956	15

Table D-7. Impacts of Control Programs on 2012 U.S. Oil and Gas Inventory CAPs

Control Program	Pollutant	Inventory	Inventory Emissions	Final Emissions	Emissions Reduction	Percent Reduction
CONTROL RICE 2012cr_05b	CO	nonpt_cap_2005_WRAP_OilGas	40694	39359	1335	3
CONTROL RICE 2012cr_05b	NOX	nonpt_cap_2005_WRAP_OilGas	95065	92156	2909	3
CONTROL RICE 2012cr_05b	VOC	nonpt_cap_2005_WRAP_OilGas	5300	5216	83	2
CONTROL RICE 2012cr_05b	CO	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	6776	6554	222	3
CONTROL RICE 2012cr_05b	NOX	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	20698	20065	633	3
CONTROL RICE 2012cr_05b	VOC	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	1631	1605	26	2
CONTROL TR1 Final CONTROL packet: 2012cs	CO	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	16721	14748	1973	12
CONTROL TR1 Final CONTROL packet: 2012cs	NOX	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	55238	46251	8987	16
CONTROL TR1 Final CONTROL packet: 2012cs	PM10	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	2543	2263	280	11
CONTROL TR1 Final CONTROL packet: 2012cs	PM2_5	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	2467	2195	271	11
CONTROL TR1 Final CONTROL packet: 2012cs	SO2	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	956	43	913	96
CONTROL TR1 Final CONTROL packet: 2012cs	VOC	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	4326	3665	661	15

Table D-8. Impacts of Control Programs on 2014 U.S. Non-EGU Point Source CAPs

Control Program	Pollutant	Inventory Emissions	Final Emissions	Emissions Reduction	Percent Reduction
closures: 2005 to 2012ck	CO	4154	0	4154	100
closures: 2005 to 2012ck	NH3	7	0	7	100
closures: 2005 to 2012ck	NOX	2112	0	2112	100
closures: 2005 to 2012ck	PM10	352	0	352	100
closures: 2005 to 2012ck	PM2_5	225	0	225	100
closures: 2005 to 2012ck	SO2	5549	0	5549	100
closures: 2005 to 2012ck	VOC	3392	0	3392	100
CLOSURES cement ISIS 2013 policy	CO	42781	0	42781	100
CLOSURES cement ISIS 2013 policy	NH3	121	0	121	100
CLOSURES cement ISIS 2013 policy	NOX	77030	0	77030	100
CLOSURES cement ISIS 2013 policy	PM10	10768	0	10768	100
CLOSURES cement ISIS 2013 policy	PM2_5	5107	0	5107	100
CLOSURES cement ISIS 2013 policy	SO2	46192	0	46192	100
CLOSURES cement ISIS 2013 policy	VOC	3260	0	3260	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	CO	15787	0	15787	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	NH3	414	0	414	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	NOX	15716	0	15716	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	PM10	5582	0	5582	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	PM2_5	4051	0	4051	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	SO2	68993	0	68993	100
CLOSURES LotusNotes, ABCG, plus Timin 2016cr	VOC	15297	0	15297	100
CLOSURES TR1 comments and consent decrees 2014cs	CO	62419	0	62419	100
CLOSURES TR1 comments and consent decrees 2014cs	NH3	94	0	94	100
CLOSURES TR1 comments and consent decrees 2014cs	NOX	14355	0	14355	100
CLOSURES TR1 comments and consent decrees 2014cs	PM10	4414	0	4414	100
CLOSURES TR1 comments and consent decrees 2014cs	PM2_5	3196	0	3196	100
CLOSURES TR1 comments and consent decrees 2014cs	SO2	28155	0	28155	100
CLOSURES TR1 comments and consent decrees 2014cs	VOC	4799	0	4799	100
CONTROL ADDITIONAL OECA 2005cr to 2016cr	CO	10968	262	10706	98
CONTROL ADDITIONAL OECA 2005cr to 2016cr	NOX	41507	21991	19516	47

CONTROL ADDITIONAL OECA 2005cr to 2016cr	PM10	5307	3652	1655	31
CONTROL ADDITIONAL OECA 2005cr to 2016cr	PM2_5	3926	2842	1084	28
CONTROL ADDITIONAL OECA 2005cr to 2016cr	SO2	32174	13540	18634	58
CONTROL ADDITIONAL OECA 2005cr to 2016cr	VOC	2761	1639	1122	41
CONTROL cement ISIS 2013 policy	NOX	52174	21306	30868	59
CONTROL cement ISIS 2013 policy	PM10	5352	133	5219	98
CONTROL cement ISIS 2013 policy	PM2_5	2427	52	2375	98
CONTROL cement ISIS 2013 policy	SO2	44392	8809	35584	80
CONTROL cement ISIS 2013 policy	VOC	3059	322	2738	89
CONTROL REPLACE DOJ 2005cr to 2016cr	NOX	7469	5535	1934	26
CONTROL REPLACE DOJ 2005cr to 2016cr	SO2	51109	7104	44005	86
CONTROL REPLACE HWI 2005cr to 2016cr	PM10	4573	1638	2934	64
CONTROL REPLACE HWI 2005cr to 2016cr	PM2_5	2735	941	1793	66
CONTROL REPLACE IndustrialBoiler nonMACT 2005cr to 2016cr	NOX	907	544	363	40
CONTROL REPLACE IndustrialBoiler nonMACT 2005cr to 2016cr	SO2	4670	787	3884	83
CONTROL REPLACE LMWC 2005cr to 2016cr	PM10	126	83	43	34
CONTROL REPLACE LMWC 2005cr to 2016cr	PM2_5	108	72	37	34
CONTROL REPLACE MACT 2005cr to 2016cr	NOX	300	240	60	20
CONTROL REPLACE MACT 2005cr to 2016cr	PM10	11041	6900	4141	38
CONTROL REPLACE MACT 2005cr to 2016cr	PM2_5	6915	4429	2486	36
CONTROL REPLACE MACT 2005cr to 2016cr	SO2	24529	20152	4377	18
CONTROL REPLACE MACT 2005cr to 2016cr	VOC	222176	131456	90720	41
CONTROL REPLACE NY SIP 2005cr to 2016cr	NOX	1925	577	1347	70
CONTROL REPLACE Refineries 2005cr to 2014cr	NOX	25803	14393	11411	44
CONTROL REPLACE Refineries 2005cr to 2014cr	PM10	1354	462	891	66
CONTROL REPLACE Refineries 2005cr to 2014cr	PM2_5	1288	129	1159	90
CONTROL REPLACE Refineries 2005cr to 2014cr	SO2	88745	7845	80901	91
CONTROL RICE 2016cr_05b	CO	189218	148168	41050	22
CONTROL RICE 2016cr_05b	NOX	321525	264672	56853	18
CONTROL RICE 2016cr_05b	PM10	2115	1797	318	15

CONTROL RICE 2016cr_05b	PM2_5	1979	1681	298	15
CONTROL RICE 2016cr_05b	VOC	34756	25459	9297	27
CONTROL RICE SO2 2014cs_05b	SO2	3708	1907	1801	49
CONTROL St Gobain and LaFarge 2014	CO	110	0	110	100
CONTROL St Gobain and LaFarge 2014	NOX	22256	9042	13214	59
CONTROL St Gobain and LaFarge 2014	PM10	272	3	269	99
CONTROL St Gobain and LaFarge 2014	PM2_5	221	11	210	95
CONTROL St Gobain and LaFarge 2014	SO2	18869	2600	16270	86
CONTROL St Gobain and LaFarge 2014	VOC	6	0	6	100
CONTROL SULF rules: ME and NY 2014 through 2016	SO2	789	70	719	91
CONTROL TR1 Final consent decrees 2014	CO	2257	1326	931	41
CONTROL TR1 Final consent decrees 2014	NOX	14289	7199	7090	50
CONTROL TR1 Final consent decrees 2014	PM10	541	76	466	86
CONTROL TR1 Final consent decrees 2014	PM2_5	541	76	466	86
CONTROL TR1 Final consent decrees 2014	SO2	61354	13095	48259	79
CONTROL TR1 Final consent decrees 2014	VOC	32	6	26	82
CONTROL TR1 Final CONTROL packet: 2014cs	NOX	34805	16362	18443	53
CONTROL TR1 Final CONTROL packet: 2014cs	PM10	831	80	751	90
CONTROL TR1 Final CONTROL packet: 2014cs	PM2_5	821	79	742	90
CONTROL TR1 Final CONTROL packet: 2014cs	SO2	50782	5969	44813	88
PROJECTION aircraft 2005cr to 2014cr	CO	496341	486383	9959	2
PROJECTION aircraft 2005cr to 2014cr	NH3	0	0	0	3
PROJECTION aircraft 2005cr to 2014cr	NOX	74102	78489	-4387	-6
PROJECTION aircraft 2005cr to 2014cr	PM10	12567	12510	57	0
PROJECTION aircraft 2005cr to 2014cr	PM2_5	10048	10087	-38	0
PROJECTION aircraft 2005cr to 2014cr	SO2	6691	7083	-392	-6
PROJECTION aircraft 2005cr to 2014cr	VOC	31114	31237	-123	0
PROJECTION cement ISIS 2013 policy	NOX	21483	38769	-17285	-80
PROJECTION LMWC 2005cr to 2016cr	CO	58	88	-30	-52
PROJECTION LMWC 2005cr to 2016cr	NH3	4	7	-2	-53
PROJECTION LMWC 2005cr to 2016cr	NOX	2263	3428	-1165	-51

PROJECTION LMWC 2005cr to 2016cr	PM10	21	32	-11	-51
PROJECTION LMWC 2005cr to 2016cr	PM2_5	11	17	-6	-51
PROJECTION LMWC 2005cr to 2016cr	SO2	18	27	-9	-52
PROJECTION LMWC 2005cr to 2016cr	VOC	18	27	-9	-50
PROJECTION refueling 2005cs to 2014cs	VOC	12476	6953	5522	44
PROJECTION TR1 comments 2005cs to 20XXcs -ptnonipm	NOX	13589	22449	-8860	-65
PROJECTION TR1 comments 2005cs to 20XXcs -ptnonipm	PM10	404	878	-474	-117
PROJECTION TR1 comments 2005cs to 20XXcs -ptnonipm	PM2_5	335	579	-244	-73
PROJECTION TR1 comments 2005cs to 20XXcs -ptnonipm	SO2	5292	3447	1844	35

Table D-9. Impacts of Control Programs on 2014 U.S. Nonpoint Source CAPs

Control Program	Pollutant	Inventory Emissions	Final Emissions	Emissions Reduction	Percent Reduction
CONTROL REPLACE NY SIP 2005cr to 2016cr	VOC	139818	102664	37154	27
CONTROL RICE 2016cr_05b	CO	475358	401325	74033	16
CONTROL RICE 2016cr_05b	NOX	528691	476388	52303	10
CONTROL RICE 2016cr_05b	PM10	16404	15127	1277	8
CONTROL RICE 2016cr_05b	PM2_5	13687	12617	1070	8
CONTROL RICE 2016cr_05b	VOC	24195	19227	4969	21
CONTROL RICE SO2 2014cs_05b	SO2	235410	215253	20156	9
CONTROL SULF rules: ME and NY 2014 through 2016	SO2	62379	1614	60765	97
CONTROL TR1 Final CONTROL packet: 2014cs	VOC	42596	30807	11788	28
PROJECTION 2005cr to 2014cr ag sector	PM10	3104	3104	0	0
PROJECTION 2005cr to 2014cr ag sector	PM2_5	310	310	0	0
PROJECTION 2005cr to 2014cr ag sector	VOC	42192	45347	-3155	-7
PROJECTION refueling 2005cs to 2014cs	VOC	268798	136025	132773	49
PROJECTION RWC and landfills 2005cr to 2014cs	CO	2856851	2540317	316534	11
PROJECTION RWC and landfills 2005cr to 2014cs	NH3	7238	6679	559	8
PROJECTION RWC and landfills 2005cr to 2014cs	NOX	38292	34486	3806	10
PROJECTION RWC and landfills 2005cr to 2014cs	PM10	388632	345064	43568	11
PROJECTION RWC and landfills 2005cr to 2014cs	PM2_5	381362	337606	43756	11
PROJECTION RWC and landfills 2005cr to 2014cs	SO2	5302	4818	484	9
PROJECTION RWC and landfills 2005cr to 2014cs	VOC	569950	470793	99157	17

Table D-10. Impacts of Control Programs on 2014 U.S. Oil and Gas Inventory CAPs

Control Program	Pollutant	Inventory	Inventory Emissions	Final Emissions	Emissions Reduction	Percent Reduction
CONTROL RICE 2016cr_05b	CO	nonpt_cap_2005_WRAP_OilGas	40694	32612	8082	20
CONTROL RICE 2016cr_05b	NOX	nonpt_cap_2005_WRAP_OilGas	95065	83153	11912	13
CONTROL RICE 2016cr_05b	VOC	nonpt_cap_2005_WRAP_OilGas	5300	4035	1265	24
CONTROL RICE SO2 2014cs_05b	SO2	nonpt_cap_2005_WRAP_OilGas	2835	1425	1411	50
CONTROL RICE 2016cr_05b	CO	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	6776	5430	1346	20
CONTROL RICE 2016cr_05b	NOX	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	20698	18105	2593	13
CONTROL RICE 2016cr_05b	VOC	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	1631	1241	389	24
CONTROL TR1 Final CONTROL packet: 2014cs	CO	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	16721	11946	4776	29
CONTROL TR1 Final CONTROL packet: 2014cs	NOX	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	55238	39462	15776	29
CONTROL TR1 Final CONTROL packet: 2014cs	PM10	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	2543	1372	1171	46
CONTROL TR1 Final CONTROL packet: 2014cs	PM2_5	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	2467	1331	1136	46
CONTROL TR1 Final CONTROL packet: 2014cs	SO2	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	956	38	918	96
CONTROL TR1 Final CONTROL packet: 2014cs	VOC	nonpt_cap_2008_TCEQ_Oklahoma_OilGas	4326	3392	934	22