

10/14/2002

ROG SCENARIO COMPARISON REPORT
AIRBASIN WIDE REPORT
AIRBASIN: SOUTH COAST

BASE YEAR = 1997

rep11

DIVISION

MAJOR CATEGORY	*****SUMMER GROWTH ONLY EMISSION (TONS/DAY)*****					
SOURCE CATEGORY	2005 SCAG	2005 PECHAN	2005 DIFFERENCE	2010 SCAG	2010 PECHAN	2010 DIFFERENCE
STATIONARY SOURCES						
FUEL COMBUSTION						
ELECTRIC UTILITIES	0.5	1.0	-0.5	0.5	1.3	-0.8
COGENERATION	0.8	1.0	-0.2	0.8	1.1	-0.3
OIL AND GAS PRODUCTION (COMBUSTION)	0.7	0.8	-0.1	0.7	0.8	-0.2
PETROLEUM REFINING (COMBUSTION)	1.1	1.7	-0.6	1.1	1.9	-0.8
MANUFACTURING AND INDUSTRIAL	5.2	6.1	-1.0	5.4	6.6	-1.2
FOOD AND AGRICULTURAL PROCESSING	0.2	0.3	-0.0	0.2	0.3	-0.0
SERVICE AND COMMERCIAL	2.5	2.4	0.1	2.7	2.5	0.2
OTHER (FUEL COMBUSTION)	0.5	0.5	-0.0	0.5	0.5	-0.0
*TOTAL FUEL COMBUSTION	11.5	13.9	-2.3	12.1	15.2	-3.1
WASTE DISPOSAL						
SEWAGE TREATMENT	0.2	0.2	-0.0	0.2	0.2	-0.0
LANDFILLS	2.1	2.4	-0.3	2.2	2.6	-0.4
INCINERATORS	0.2	0.2	-0.0	0.2	0.2	-0.0
SOIL REMEDIATION	-	-	-	-	-	-
OTHER (WASTE DISPOSAL)	3.6	4.1	-0.6	3.6	4.5	-0.9
*TOTAL WASTE DISPOSAL	6.0	6.9	-0.9	6.2	7.6	-1.4
CLEANING AND SURFACE COATINGS						
LAUNDERING	0.3	0.3	-0.0	0.3	0.3	-0.0
DEGREASING	86.3	66.9	19.5	104.7	69.8	34.9
COATINGS AND RELATED PROCESS SOLVENTS	61.3	60.6	0.6	69.8	67.0	2.8
PRINTING	10.1	10.4	-0.4	11.0	11.5	-0.5
ADHESIVES AND SEALANTS	18.1	11.3	6.8	22.7	10.2	12.6
OTHER (CLEANING AND SURFACE COATINGS)	1.8	1.8	-0.0	2.2	2.1	0.1
*TOTAL CLEANING AND SURFACE COATINGS	177.9	151.3	26.5	210.7	160.8	49.9
PETROLEUM PRODUCTION AND MARKETING						
OIL AND GAS PRODUCTION	7.6	8.0	-0.3	7.6	8.3	-0.6
PETROLEUM REFINING	11.2	14.6	-3.4	11.2	16.5	-5.2
PETROLEUM MARKETING	47.5	56.8	-9.3	49.2	61.7	-12.4

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MAJOR CATEGORY	2005	2005	2005	2010	2010	2010
SOURCE CATEGORY	SCAG	PECHAN	DIFFERENCE	SCAG	PECHAN	DIFFERENCE
STATIONARY SOURCES						
PETROLEUM PRODUCTION AND MARKETING						
OTHER (PETROLEUM PRODUCTION AND MARKETING)	0.2	0.2	-0.0	0.2	0.2	-0.0
*TOTAL PETROLEUM PRODUCTION AND MARKETING	66.5	79.6	-13.0	68.3	86.6	-18.3
INDUSTRIAL PROCESSES						
CHEMICAL	22.7	21.5	1.2	26.5	24.1	2.3
FOOD AND AGRICULTURE	6.2	5.8	0.4	6.6	6.2	0.4
MINERAL PROCESSES	2.9	3.0	-0.1	3.3	3.4	-0.1
METAL PROCESSES	1.7	1.5	0.2	2.1	1.7	0.4
WOOD AND PAPER	0.0	0.0	-0.0	0.0	0.0	-0.0
GLASS AND RELATED PRODUCTS	0.1	0.1	-0.0	0.1	0.1	-0.0
ELECTRONICS	0.0	0.0	-0.0	0.0	0.0	-0.0
OTHER (INDUSTRIAL PROCESSES)	1.1	1.2	-0.1	1.1	1.3	-0.2
*TOTAL INDUSTRIAL PROCESSES	34.7	33.2	1.5	39.7	36.9	2.8
**TOTAL STATIONARY SOURCES	296.7	284.8	11.8	336.9	307.0	30.0
AREA-WIDE SOURCES						
SOLVENT EVAPORATION						
CONSUMER PRODUCTS	128.8	133.1	-4.3	135.4	141.0	-5.6
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	65.3	65.7	-0.4	68.9	68.7	0.2
PESTICIDES/FERTILIZERS	2.5	2.4	0.1	1.8	1.8	-0.0
ASPHALT PAVING / ROOFING	1.1	0.9	0.2	1.2	0.9	0.3
REFRIGERANTS	-	-	-	-	-	-
OTHER (SOLVENT EVAPORATION)	-	-	-	-	-	-
*TOTAL SOLVENT EVAPORATION	197.7	202.2	-4.4	207.3	212.4	-5.1
MISCELLANEOUS PROCESSES						
RESIDENTIAL FUEL COMBUSTION	1.5	1.5	0.1	1.6	1.5	0.2
FARMING OPERATIONS	11.9	11.9	-	11.9	11.9	-
CONSTRUCTION AND DEMOLITION	-	-	-	-	-	-
PAVED ROAD DUST	-	-	-	-	-	-

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MAJOR CATEGORY	2005	2005	2005	2010	2010	2010
SOURCE CATEGORY	SCAG	PECHAN	DIFFERENCE	SCAG	PECHAN	DIFFERENCE
AREA-WIDE SOURCES						
MISCELLANEOUS PROCESSES						
UNPAVED ROAD DUST	-	-	-	-	-	-
FUGITIVE WINDBLOWN DUST	-	-	-	-	-	-
FIRES	0.2	0.2	-0.0	0.2	0.3	-0.0
WASTE BURNING AND DISPOSAL	3.9	2.1	1.8	3.8	2.1	1.8
UTILITY EQUIPMENT	-	-	-	-	-	-
COOKING	1.2	1.5	-0.3	1.2	1.6	-0.4
OTHER (MISCELLANEOUS PROCESSES)	-	-	-	-	-	-
*TOTAL MISCELLANEOUS PROCESSES	18.8	17.2	1.6	18.9	17.4	1.5
**TOTAL AREA-WIDE SOURCES	216.5	219.4	-2.8	226.2	229.8	-3.6
MOBILE SOURCES						
ON-ROAD MOTOR VEHICLES						
LIGHT DUTY PASSENGER (LDA)	-	-	-	-	-	-
LIGHT AND MEDIUM DUTY TRUCKS	-	-	-	-	-	-
LIGHT DUTY TRUCKS - 1 (LDT1)	-	-	-	-	-	-
LIGHT DUTY TRUCKS - 2 (LDT2)	-	-	-	-	-	-
MEDIUM DUTY TRUCKS (MDV)	-	-	-	-	-	-
HEAVY DUTY GAS TRUCKS (ALL)	-	-	-	-	-	-
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	-	-	-	-	-	-
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	-	-	-	-	-	-
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	-	-	-	-	-	-
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	-	-	-	-	-	-
HEAVY DUTY DIESEL TRUCKS (ALL)	-	-	-	-	-	-
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	-	-	-	-	-	-
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	-	-	-	-	-	-
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)	-	-	-	-	-	-
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	-	-	-	-	-	-
MOTORCYCLES (MCY)	-	-	-	-	-	-
HEAVY DUTY DIESEL URBAN BUSES (UB)	-	-	-	-	-	-
HEAVY DUTY GAS URBAN BUSES (UB)	-	-	-	-	-	-
SCHOOL BUSES (SB)	-	-	-	-	-	-
MOTOR HOMES (MH)	-	-	-	-	-	-

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SOURCE CATEGORY		2005	2005	2005	2010	2010	2010
		SCAG	PECHAN	DIFFERENCE	SCAG	PECHAN	DIFFERENCE
MOBILE SOURCES							
ON-ROAD MOTOR VEHICLES							
	OTHER (ON-ROAD MOTOR VEHICLES)	-	-	-	-	-	-
*TOTAL ON-ROAD MOTOR VEHICLES		-	-	-	-	-	-
**TOTAL MOBILE SOURCES							
OTHER MOBILE SOURCES							
OTHER MOBILE SOURCES							
	AIRCRAFT	-	-	-	-	-	-
	TRAINS	-	-	-	-	-	-
	SHIPS AND COMMERCIAL BOATS	-	-	-	-	-	-
	RECREATIONAL BOATS	-	-	-	-	-	-
	OFF-ROAD RECREATIONAL VEHICLES	-	-	-	-	-	-
	OFF-ROAD EQUIPMENT	-	-	-	-	-	-
	FARM EQUIPMENT	-	-	-	-	-	-
	FUEL STORAGE AND HANDLING	-	-	-	-	-	-
	OTHER (OTHER MOBILE SOURCES)	-	-	-	-	-	-
*TOTAL OTHER MOBILE SOURCES		-	-	-	-	-	-
**TOTAL OTHER MOBILE SOURCES							
NATURAL (NON-ANTHROPOGENIC) SOURCES							
NATURAL SOURCES							
	BIOGENIC SOURCES	-	-	-	-	-	-
	GEOGENIC SOURCES	-	-	-	-	-	-
	WILDFIRES	-	-	-	-	-	-
	WINDBLOWN DUST	-	-	-	-	-	-
	OTHER (NATURAL SOURCES)	-	-	-	-	-	-
*TOTAL NATURAL SOURCES		-	-	-	-	-	-

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MAJOR CATEGORY		*****SUMMER GROWTH ONLY EMISSION (TONS/DAY)*****					
SOURCE CATEGORY	2005 SCAG	2005 PECHAN	2005 DIFFERENCE	2010 SCAG	2010 PECHAN	2010 DIFFERENCE	
NATURAL (NON-ANTHROPOGENIC) SOURCES							
**TOTAL NATURAL (NON-ANTHROPOGENIC) SOURCES	-	-	-	-	-	-	
*TOTAL SOUTH COAST	513.2	504.2	9.0	563.2	536.7	26.4	
*TOTAL ROG	513.2	504.2	9.0	563.2	536.7	26.4	

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MAJOR CATEGORY	*****SUMMER GROWTH ONLY EMISSION (TONS/DAY)*****					
SOURCE CATEGORY	2005 SCAG	2005 PECHAN	2005 DIFFERENCE	2010 SCAG	2010 PECHAN	2010 DIFFERENCE
STATIONARY SOURCES						
FUEL COMBUSTION						
ELECTRIC UTILITIES	0.5	1.0	-0.5	0.5	1.1	-0.6
COGENERATION	0.7	0.8	-0.1	0.7	0.9	-0.1
OIL AND GAS PRODUCTION (COMBUSTION)	2.3	2.7	-0.4	2.3	2.9	-0.6
PETROLEUM REFINING (COMBUSTION)	0.0	0.0	-0.0	0.0	0.0	-0.0
MANUFACTURING AND INDUSTRIAL	28.2	33.9	-5.7	29.4	36.8	-7.3
FOOD AND AGRICULTURAL PROCESSING	1.9	2.2	-0.2	1.9	2.4	-0.5
SERVICE AND COMMERCIAL	11.9	10.6	1.3	13.3	10.8	2.5
OTHER (FUEL COMBUSTION)	2.9	2.9	-0.0	3.2	3.2	0.0
*TOTAL FUEL COMBUSTION	48.5	54.1	-5.6	51.4	58.0	-6.6
WASTE DISPOSAL						
SEWAGE TREATMENT	-	-	-	-	-	-
LANDFILLS	0.4	0.5	-0.0	0.5	0.6	-0.1
INCINERATORS	1.4	1.4	0.0	1.6	1.6	0.0
SOIL REMEDIATION	-	-	-	-	-	-
OTHER (WASTE DISPOSAL)	-	-	-	-	-	-
*TOTAL WASTE DISPOSAL	1.9	1.9	-0.0	2.0	2.1	-0.1
CLEANING AND SURFACE COATINGS						
LAUNDERING	0.0	0.0	0.0	0.0	0.0	0.0
DEGREASING	-	-	-	-	-	-
COATINGS AND RELATED PROCESS SOLVENTS	-	-	-	-	-	-
PRINTING	-	-	-	-	-	-
ADHESIVES AND SEALANTS	-	-	-	-	-	-
OTHER (CLEANING AND SURFACE COATINGS)	0.0	0.0	-0.0	0.0	0.0	-0.0
*TOTAL CLEANING AND SURFACE COATINGS	0.1	0.1	-0.0	0.1	0.1	-0.0
PETROLEUM PRODUCTION AND MARKETING						
OIL AND GAS PRODUCTION	0.0	0.0	-0.0	0.0	0.0	-0.0
PETROLEUM REFINING	0.3	0.4	-0.1	0.3	0.5	-0.2
PETROLEUM MARKETING	0.1	0.1	0.0	0.2	0.1	0.0

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MAJOR CATEGORY	2005	2005	2005	2010	2010	2010
SOURCE CATEGORY	SCAG	PECHAN	DIFFERENCE	SCAG	PECHAN	DIFFERENCE
STATIONARY SOURCES						
PETROLEUM PRODUCTION AND MARKETING						
OTHER (PETROLEUM PRODUCTION AND MARKETING)	-	-	-	-	-	-
*TOTAL PETROLEUM PRODUCTION AND MARKETING	0.5	0.6	-0.1	0.5	0.6	-0.1
INDUSTRIAL PROCESSES						
CHEMICAL	0.0	0.0	-0.0	0.0	0.0	-0.0
FOOD AND AGRICULTURE	0.0	0.0	0.0	0.0	0.0	0.0
MINERAL PROCESSES	0.0	0.0	-0.0	0.0	0.0	-0.0
METAL PROCESSES	0.0	0.0	0.0	0.0	0.0	0.0
WOOD AND PAPER	-	-	-	-	-	-
GLASS AND RELATED PRODUCTS	-	-	-	-	-	-
ELECTRONICS	0.0	0.0	-0.0	0.0	0.0	-0.0
OTHER (INDUSTRIAL PROCESSES)	0.1	0.1	0.0	0.2	0.1	0.1
*TOTAL INDUSTRIAL PROCESSES	0.2	0.2	0.0	0.3	0.2	0.1
**TOTAL STATIONARY SOURCES	51.1	56.8	-5.7	54.3	61.0	-6.7
AREA-WIDE SOURCES						
SOLVENT EVAPORATION						
CONSUMER PRODUCTS	-	-	-	-	-	-
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	-	-	-	-	-	-
PESTICIDES/FERTILIZERS	-	-	-	-	-	-
ASPHALT PAVING / ROOFING	-	-	-	-	-	-
REFRIGERANTS	-	-	-	-	-	-
OTHER (SOLVENT EVAPORATION)	-	-	-	-	-	-
*TOTAL SOLVENT EVAPORATION	-	-	-	-	-	-
MISCELLANEOUS PROCESSES						
RESIDENTIAL FUEL COMBUSTION	21.5	20.3	1.3	22.9	20.7	2.2
FARMING OPERATIONS	-	-	-	-	-	-
CONSTRUCTION AND DEMOLITION	-	-	-	-	-	-
PAVED ROAD DUST	-	-	-	-	-	-

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MAJOR CATEGORY	2005	2005	2005	2010	2010	2010
SOURCE CATEGORY	SCAG	PECHAN	DIFFERENCE	SCAG	PECHAN	DIFFERENCE
AREA-WIDE SOURCES						
MISCELLANEOUS PROCESSES						
UNPAVED ROAD DUST	-	-	-	-	-	-
FUGITIVE WINDBLOWN DUST	-	-	-	-	-	-
FIRES	0.1	0.1	0.0	0.1	0.1	0.0
WASTE BURNING AND DISPOSAL	2.6	1.3	1.2	2.6	1.3	1.2
UTILITY EQUIPMENT	-	-	-	-	-	-
COOKING	-	-	-	-	-	-
OTHER (MISCELLANEOUS PROCESSES)	-	-	-	-	-	-
*TOTAL MISCELLANEOUS PROCESSES	24.2	21.6	2.5	25.5	22.1	3.5
**TOTAL AREA-WIDE SOURCES	24.2	21.6	2.5	25.5	22.1	3.5
MOBILE SOURCES						
ON-ROAD MOTOR VEHICLES						
LIGHT DUTY PASSENGER (LDA)	-	-	-	-	-	-
LIGHT AND MEDIUM DUTY TRUCKS	-	-	-	-	-	-
LIGHT DUTY TRUCKS - 1 (LDT1)	-	-	-	-	-	-
LIGHT DUTY TRUCKS - 2 (LDT2)	-	-	-	-	-	-
MEDIUM DUTY TRUCKS (MDV)	-	-	-	-	-	-
HEAVY DUTY GAS TRUCKS (ALL)	-	-	-	-	-	-
LIGHT HEAVY DUTY GAS TRUCKS - 1 (LHDV1)	-	-	-	-	-	-
LIGHT HEAVY DUTY GAS TRUCKS - 2 (LHDV2)	-	-	-	-	-	-
MEDIUM HEAVY DUTY GAS TRUCKS (MHDV)	-	-	-	-	-	-
HEAVY HEAVY DUTY GAS TRUCKS (HHDV)	-	-	-	-	-	-
HEAVY DUTY DIESEL TRUCKS (ALL)	-	-	-	-	-	-
LIGHT HEAVY DUTY DIESEL TRUCKS - 1 (LHDV1)	-	-	-	-	-	-
LIGHT HEAVY DUTY DIESEL TRUCKS - 2 (LHDV2)	-	-	-	-	-	-
MEDIUM HEAVY DUTY DIESEL TRUCKS (MHDV)	-	-	-	-	-	-
HEAVY HEAVY DUTY DIESEL TRUCKS (HHDV)	-	-	-	-	-	-
MOTORCYCLES (MCY)	-	-	-	-	-	-
HEAVY DUTY DIESEL URBAN BUSES (UB)	-	-	-	-	-	-
HEAVY DUTY GAS URBAN BUSES (UB)	-	-	-	-	-	-
SCHOOL BUSES (SB)	-	-	-	-	-	-
MOTOR HOMES (MH)	-	-	-	-	-	-

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SOURCE CATEGORY		2005	2005	2005	2010	2010	2010
		SCAG	PECHAN	DIFFERENCE	SCAG	PECHAN	DIFFERENCE
MOBILE SOURCES							
ON-ROAD MOTOR VEHICLES							
	OTHER (ON-ROAD MOTOR VEHICLES)	-	-	-	-	-	-
*TOTAL ON-ROAD MOTOR VEHICLES		-	-	-	-	-	-
**TOTAL MOBILE SOURCES							
OTHER MOBILE SOURCES							
OTHER MOBILE SOURCES							
	AIRCRAFT	-	-	-	-	-	-
	TRAINS	-	-	-	-	-	-
	SHIPS AND COMMERCIAL BOATS	-	-	-	-	-	-
	RECREATIONAL BOATS	-	-	-	-	-	-
	OFF-ROAD RECREATIONAL VEHICLES	-	-	-	-	-	-
	OFF-ROAD EQUIPMENT	-	-	-	-	-	-
	FARM EQUIPMENT	-	-	-	-	-	-
	FUEL STORAGE AND HANDLING	-	-	-	-	-	-
	OTHER (OTHER MOBILE SOURCES)	-	-	-	-	-	-
*TOTAL OTHER MOBILE SOURCES		-	-	-	-	-	-
**TOTAL OTHER MOBILE SOURCES							
NATURAL (NON-ANTHROPOGENIC) SOURCES							
NATURAL SOURCES							
	BIOGENIC SOURCES	-	-	-	-	-	-
	GEOGENIC SOURCES	-	-	-	-	-	-
	WILDFIRES	-	-	-	-	-	-
	WINDBLOWN DUST	-	-	-	-	-	-
	OTHER (NATURAL SOURCES)	-	-	-	-	-	-
*TOTAL NATURAL SOURCES		-	-	-	-	-	-

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SOURCE CATEGORY	2005 SCAG	2005 PECHAN	2005 DIFFERENCE	2010 SCAG	2010 PECHAN	2010 DIFFERENCE
NATURAL (NON-ANTHROPOGENIC) SOURCES						
**TOTAL NATURAL (NON-ANTHROPOGENIC) SOURCES	-	-	-	-	-	-
*TOTAL SOUTH COAST	75.3	78.5	-3.2	79.8	83.1	-3.2
*TOTAL NOX	75.3	78.5	-3.2	79.8	83.1	-3.2