

10/12/2002

ROG SCENARIO COMPARISON REPORT
 AIRBASIN WIDE REPORT
 AIRBASIN: SOUTH COAST

BASE YEAR = 1997

rep11

DIVISION

MAJOR CATEGORY	*****SUMMER 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	2.6	0.2
OTHER (FUEL COMBUSTION)	0.5	0.5	-0.0	0.5	0.5	-0.0
*TOTAL FUEL COMBUSTION	11.6	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	0.1	0.1	-0.0	0.1	0.1	-0.0
DEGREASING	10.5	8.2	2.3	12.5	8.4	4.1
COATINGS AND RELATED PROCESS SOLVENTS	44.6	43.7	0.9	48.5	45.2	3.2
PRINTING	5.4	5.5	-0.1	6.0	6.1	-0.2
ADHESIVES AND SEALANTS	6.6	4.3	2.3	8.1	4.0	4.2
OTHER (CLEANING AND SURFACE COATINGS)	0.9	0.9	0.0	1.0	1.0	0.1
*TOTAL CLEANING AND SURFACE COATINGS	68.0	62.6	5.4	76.2	64.8	11.4
PETROLEUM PRODUCTION AND MARKETING						
OIL AND GAS PRODUCTION	7.1	7.4	-0.3	6.8	7.3	-0.5
PETROLEUM REFINING	7.6	9.9	-2.3	6.8	9.9	-3.2
PETROLEUM MARKETING	22.1	26.4	-4.3	21.9	27.5	-5.7

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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	37.0	43.9	-6.9	35.6	45.0	-9.4
INDUSTRIAL PROCESSES						
CHEMICAL	14.1	13.4	0.7	16.4	15.0	1.4
FOOD AND AGRICULTURE	4.5	4.2	0.2	4.8	4.5	0.3
MINERAL PROCESSES	2.9	3.0	-0.1	3.3	3.4	-0.1
METAL PROCESSES	0.9	0.8	0.1	1.1	0.9	0.2
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)	0.9	1.0	-0.1	0.9	1.1	-0.2
*TOTAL INDUSTRIAL PROCESSES	23.4	22.6	0.8	26.6	25.0	1.6
**TOTAL STATIONARY SOURCES	146.0	149.9	-3.9	156.7	157.5	-0.8
AREA-WIDE SOURCES						
SOLVENT EVAPORATION						
CONSUMER PRODUCTS	102.9	106.3	-3.4	107.9	112.3	-4.4
ARCHITECTURAL COATINGS AND RELATED PROCESS SOLVENTS	45.2	45.5	-0.2	28.4	28.3	0.1
PESTICIDES/FERTILIZERS	2.5	2.5	0.1	1.9	1.9	-0.0
ASPHALT PAVING / ROOFING	1.1	0.9	0.2	1.2	0.9	0.3
REFRIGERANTS	-	-	-	-	-	-
OTHER (SOLVENT EVAPORATION)	-	-	-	-	-	-
*TOTAL SOLVENT EVAPORATION	151.7	155.1	-3.4	139.4	143.4	-4.0
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	1.1	1.3	-0.2	1.1	1.4	-0.3
OTHER (MISCELLANEOUS PROCESSES)	-	-	-	-	-	-
*TOTAL MISCELLANEOUS PROCESSES	18.6	17.0	1.6	18.7	17.2	1.6
**TOTAL AREA-WIDE SOURCES	170.4	172.1	-1.8	158.1	160.5	-2.4
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 SCAG	2005 PECHAN	2005 DIFFERENCE	2010 SCAG	2010 PECHAN	2010 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 EMISSION (TONS/DAY)*****					
SOURCE CATEGORY		2005	2005	2005	2010	2010	2010
		SCAG	PECHAN	DIFFERENCE	SCAG	PECHAN	DIFFERENCE
NATURAL (NON-ANTHROPOGENIC) SOURCES							
**TOTAL NATURAL (NON-ANTHROPOGENIC) SOURCES		-	-	-	-	-	-
*TOTAL SOUTH COAST		316.3	322.0	-5.7	314.9	318.0	-3.2
*TOTAL ROG		316.3	322.0	-5.7	314.9	318.0	-3.2

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NOX SCENARIO COMPARISON REPORT
AIRBASIN WIDE REPORT
AIRBASIN: SOUTH COAST

BASE YEAR = 1997

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SOURCE CATEGORY	2005 SCAG	2005 PECHAN	2005 DIFFERENCE	2010 SCAG	2010 PECHAN	2010 DIFFERENCE
STATIONARY SOURCES						
FUEL COMBUSTION						
ELECTRIC UTILITIES	0.4	0.7	-0.4	0.3	0.6	-0.3
COGENERATION	0.5	0.5	-0.1	0.3	0.4	-0.1
OIL AND GAS PRODUCTION (COMBUSTION)	2.1	2.5	-0.4	2.0	2.5	-0.5
PETROLEUM REFINING (COMBUSTION)	0.0	0.0	-	-	0.0	-0.0
MANUFACTURING AND INDUSTRIAL	18.7	22.6	-3.8	16.2	20.4	-4.2
FOOD AND AGRICULTURAL PROCESSING	1.8	2.1	-0.3	1.7	2.2	-0.5
SERVICE AND COMMERCIAL	7.3	6.6	0.7	6.0	5.3	0.7
OTHER (FUEL COMBUSTION)	2.0	2.0	-0.0	1.6	1.7	-0.1
*TOTAL FUEL COMBUSTION	32.8	36.9	-4.2	28.1	33.1	-5.0
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)	-	0.0	-0.0	-	0.0	-0.0
*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
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	35.4	39.7	-4.3	31.0	36.1	-5.1
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	16.2	14.7	1.5
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	2.5	1.3	1.2	2.5	1.3	1.2
UTILITY EQUIPMENT	-	-	-	-	-	-
COOKING	-	-	-	-	-	-
OTHER (MISCELLANEOUS PROCESSES)	-	-	-	-	-	-
*TOTAL MISCELLANEOUS PROCESSES	24.2	21.6	2.5	18.9	16.1	2.8
**TOTAL AREA-WIDE SOURCES	24.2	21.6	2.5	18.9	16.1	2.8
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 SCAG	2005 PECHAN	2005 DIFFERENCE	2010 SCAG	2010 PECHAN	2010 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	59.5	61.3	-1.8	49.9	52.2	-2.3
*TOTAL NOX	59.5	61.3	-1.8	49.9	52.2	-2.3